



MECHANICAL CONTRACTORS

DATE: October 6, 2017

SUBJECT: Building Code Compliance – Energy Cost Budget Method

PROJECT: **WEX – 0 Hancock, St, Portland, ME**

*To the authority having jurisdiction:*

**The design energy cost as calculated is less than the energy cost budget.**

The building under design is planned to be compliant with the state energy code as defined by the Maine Uniform Building and Energy Code (MUBEC) in effect as of October 1, 2017. Specifically the international energy conservation code (IECC-2009). As referenced in the IECC, because the proposed building is above the allowed vertical fenestration area, an energy cost budget method is used as an alternative to the prescriptive provisions of the standards.

*Calculations follow requirements defined in table 11.3.1, ASHRAE 90.1-2010.*

*Notes:*

*-Calculations were completed with the latest version of Trane Trace-700 and in compliance with ASHRAE 90.1-2010, section 11.*

*-Climate Data used with for Portland, ME.*

*-Energy rates used was average state values.*

*-11.3.1-1: The simulation model of the proposed building is consistent with the design documents at this schematic phase of the project. Yet-to-be designed features have been incorporated as best known due to project team discussions and owner expectations.*

*-11.3.1-2: The proposed building is same as the base building in terms of system areas, interior conditions, and operation schedules.*

*-11.3.1-3: The proposed building is same as the baseline building in terms of space classifications. Spaces are setup to reflect typical office building spaces.*

*-11.3.1-4: The proposed building is same as the base building in terms of operation schedules. Schedules are set for a standard office occupancy.*

*-11.3.1-5: The proposed building is modeled as designed. The baseline building sets certain values to code minimum; items affected...glass area, glass performance values, roof insulation, slab insulation.*

*-11.3.1-6: The proposed building is same as the base building in terms of lighting levels and schedules. Values are set for a standard office occupancy.*

*-11.3.1-7,8: The proposed building is same as the base building in terms of thermal HVAC zoning/blocks. All spaces received an individual zone for this modeling during schematic phase. Perimeter spaces were defined with 15' to exterior wall.*

*-11.3.1-10: The calculations are based around a VAV w/ hot water re-heat mechanical system for both proposed and budget model. This is the budget building system as defined by figure 11.3.2. The proposed model integrates equipment efficiency improvements planned to overcome the building energy usage. Those improvements include more efficient chillers, pumps, and ventilation*

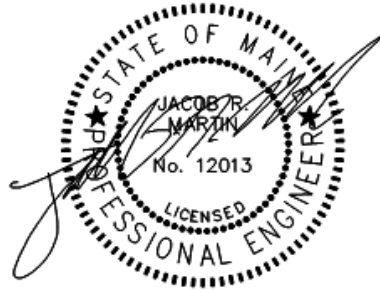
units.

-11.3.1-11: Service water heating systems are the same for both proposed and budget model.  
Service water heating loads are zero.

-11.3.1-12: Miscellaneous loads are the same for both proposed and budget model.  
Miscellaneous load are zero.

Attachments: Trane Trace reports (782 additional pages)

**Jacob Martin, PE**  
Mechanical Engineer



# Energy Cost Budget / PRM Summary

By Trial

Project Name: WEX Building	Date: October 05, 2017
City: Portland Maine	Weather Data: Portland, Maine

Note: The percentage displayed for the "Proposed/ Base %" column of the base case is actually the percentage of the total energy consumption.

\* Denotes the base alternative for the ECB study.

		* Alt-1 ASHRAE Baseline 90107			Alt-2 Proposed Building		
		Energy 10 <sup>6</sup> Btu/yr	Proposed / Base %	Peak kBtuh	Energy 10 <sup>6</sup> Btu/yr	Proposed / Base %	Peak kBtuh
<b>Lighting - Conditioned</b>	Electricity	979.7	20	380	979.7	100	380
<b>Space Heating</b>	Electricity	6.5	0	2	90.0	1,384	22
	Gas	2,334.5	47	6,114	2,173.3	93	5,921
<b>Space Cooling</b>	Electricity	783.8	16	756	407.6	52	473
<b>Pumps</b>	Electricity	188.0	4	91	37.6	20	81
<b>Heat Rejection</b>	Electricity	29.5	1	49	68.3	231	123
<b>Receptacles - Conditioned</b>	Electricity	690.0	14	200	690.0	100	200
<b>Total Building Consumption</b>		<b>5,012.1</b>			<b>4,446.6</b>		

		* Alt-1 ASHRAE Baseline 90107		Alt-2 Proposed Building	
		Number of hours heating load not met	Number of hours cooling load not met	Number of hours heating load not met	Number of hours cooling load not met
<b>Total</b>		0	0	0	0

		* Alt-1 ASHRAE Baseline 90107		Alt-2 Proposed Building	
		Energy 10 <sup>6</sup> Btu/yr	Cost/yr \$/yr	Energy 10 <sup>6</sup> Btu/yr	Cost/yr \$/yr
<b>Electricity</b>		2,677.5	94,142	2,273.3	79,927
<b>Gas</b>		2,334.5	0	2,173.3	0
<b>Total</b>		<b>5,012</b>	<b>94,142</b>	<b>4,447</b>	<b>79,927</b>

## WEX Building

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Location	<b>Portland Maine</b>
Building owner	
Program user	
Company	<b>Johnson and Jordan</b>
Comments	
By	<b>Trial</b>
Dataset name	<b>K:\17418 - WEX\Support\COM CHECK\WEX_007.trc</b>
Calculation time	<b>01:00 PM on 10/05/2017</b>
TRACE® 700 version	<b>6.3.3</b>
Location	<b>Portland, Maine</b>
Latitude	<b>44.0 deg</b>
Longitude	<b>70.0 deg</b>
Time Zone	<b>5</b>
Elevation	<b>61 ft</b>
Barometric pressure	<b>29.9 in. Hg</b>
Air density	<b>0.0759 lb/cu ft</b>
Air specific heat	<b>0.2444 Btu/lb·°F</b>
Density-specific heat product	<b>1.1128 Btu/h·cfm·°F</b>
Latent heat factor	<b>4,898.6 Btu·min/h·cu ft</b>
Enthalpy factor	<b>4.5526 lb·min/hr·cu ft</b>
Summer design dry bulb	<b>84.0 °F</b>
Summer design wet bulb	<b>72.0 °F</b>
Winter design dry bulb	<b>-1.0 °F</b>
Summer clearness number	<b>1.02</b>
Winter clearness number	<b>1.02</b>
Summer ground reflectance	<b>0.20</b>
Winter ground reflectance	<b>0.20</b>
Carbon Dioxide Level	<b>400 ppm</b>
Design simulation period	<b>January - December</b>
Cooling load methodology	<b>TETD-TA1</b>
Heating load methodology	<b>UATD</b>



# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
<b>Alternative 1</b>															
		4- 4W-P-NW-OO	1	1	617	617	0	0	0	0	617	249	34	0	483
	Zone - 001					617	0	0	0	0	617	249	34	0	483
		4- 4W-P-NW-MS	1	1	82	82	0	0	0	0	82	33	34	0	64
	Zone - 002					82	0	0	0	0	82	33	34	0	64
		4- 4W-P-SW-OO	1	1	1,399	1,399	0	0	0	0	1,399	558	40	0	842
	Zone - 003					1,399	0	0	0	0	1,399	558	40	0	842
		4- 4W-P-SW-L	1	1	280	280	0	0	0	0	280	112	40	0	168
	Zone - 004					280	0	0	0	0	280	112	40	0	168
		4- 4W-P-SW-MS	1	1	187	187	0	0	0	0	187	74	40	0	112
	Zone - 005					187	0	0	0	0	187	74	40	0	112
		4- 4W-P-S-OO	1	1	665	665	0	0	0	0	665	358	52	0	336
	Zone - 006					665	0	0	0	0	665	358	52	0	336
		4- 4W-P-S-L	1	1	133	133	0	0	0	0	133	72	52	0	67
	Zone - 007					133	0	0	0	0	133	72	52	0	67
		1W-P-SW-M	1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 008					187	0	0	0	0	0	74	40	0	112
		1W-P-SW-OO	1	1	560	560	0	0	0	0	0	223	40	0	337
	Zone - 009					560	0	0	0	0	0	223	40	0	337
		1W-P-SW-S	1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 010					187	0	0	0	0	0	74	40	0	112
		1W-P-SW-L	1	1	466	466	0	0	0	0	0	186	40	0	281
	Zone - 011					466	0	0	0	0	0	186	40	0	281
		1E-I-M	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 012					1,284	0	0	0	0	0	0	0	0	0
		1W-P-SW-R	1	1	280	280	0	0	0	0	0	112	40	0	168
	Zone - 014					280	0	0	0	0	0	112	40	0	168
		1W-P-S-CN	1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 015					89	0	0	0	0	0	48	52	0	45
		1W-P-S-S	1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 016					89	0	0	0	0	0	48	52	0	45
		1W-P-S-M	1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 017					89	0	0	0	0	0	48	52	0	45
		1W-P-S-OO	1	1	266	266	0	0	0	0	0	143	52	0	134
	Zone - 018					266	0	0	0	0	0	143	52	0	134
		1W-P-S-L	1	1	222	222	0	0	0	0	0	119	52	0	112
	Zone - 019					222	0	0	0	0	0	119	52	0	112
		1W-P-S-R	1	1	133	133	0	0	0	0	0	72	52	0	67
	Zone - 020					133	0	0	0	0	0	72	52	0	67
		1E-P-SE-CN	1	1	304	304	0	0	0	0	0	116	41	0	166

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 021					304	0	0	0	0	0	116	41	0	166
	1E-P-SE-S		1	1	304	304	0	0	0	0	0	116	41	0	166
	Zone - 022					304	0	0	0	0	0	116	41	0	166
	1E-P-SE-M		1	1	304	304	0	0	0	0	0	116	41	0	166
	Zone - 023					304	0	0	0	0	0	116	41	0	166
	1E-P-SE-OO		1	1	911	911	0	0	0	0	0	348	41	0	497
	Zone - 024					911	0	0	0	0	0	348	41	0	497
	1E-P-SE-R		1	1	456	456	0	0	0	0	0	174	41	0	248
	Zone - 025					456	0	0	0	0	0	174	41	0	248
	1E-P-SE-L		1	1	759	759	0	0	0	0	0	290	41	0	414
	Zone - 026					759	0	0	0	0	0	290	41	0	414
	1E-P-NE-CN		1	1	115	115	0	0	0	0	0	60	48	0	64
	Zone - 027					115	0	0	0	0	0	60	48	0	64
	1E-P-NE-S		1	1	115	115	0	0	0	0	0	60	48	0	64
	Zone - 028					115	0	0	0	0	0	60	48	0	64
	1E-P-NE-OO		1	1	345	345	0	0	0	0	0	180	48	0	192
	Zone - 029					345	0	0	0	0	0	180	48	0	192
	1E-P-NE-L		1	1	287	287	0	0	0	0	0	150	48	0	160
	Zone - 030					287	0	0	0	0	0	150	48	0	160
	1E-P-NE-M		1	1	115	115	0	0	0	0	0	60	48	0	64
	Zone - 031					115	0	0	0	0	0	60	48	0	64
	1E-P-NW-CN		1	1	397	397	0	0	0	0	0	133	38	0	219
	Zone - 032					397	0	0	0	0	0	133	38	0	219
	1E-P-NE-R		1	1	172	172	0	0	0	0	0	90	48	0	96
	Zone - 033					172	0	0	0	0	0	90	48	0	96
	1E-P-NW-S		1	1	397	397	0	0	0	0	0	133	38	0	219
	Zone - 034					397	0	0	0	0	0	133	38	0	219
	4- 4W-P-N-MS		1	1	86	86	0	0	0	0	86	17	26	0	49
	Zone - 035					86	0	0	0	0	86	17	26	0	49
	4- 4W-P-NW-L		1	1	123	123	0	0	0	0	123	50	34	0	97
	Zone - 036					123	0	0	0	0	123	50	34	0	97
	4- 4W-P-N-L		1	1	129	129	0	0	0	0	129	26	26	0	73
	Zone - 037					129	0	0	0	0	129	26	26	0	73
	1W-I-R		1	1	771	771	0	0	0	0	0	0	0	0	0
	Zone - 038					771	0	0	0	0	0	0	0	0	0
	1W-I-L		1	1	1,286	1,286	0	0	0	0	0	0	0	0	0
	Zone - 039					1,286	0	0	0	0	0	0	0	0	0
	IE-I-CN		1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 040					1,284	0	0	0	0	0	0	0	0	0
	1E-I-OO		1	1	3,853	3,853	0	0	0	0	0	0	0	0	0
	Zone - 041					3,853	0	0	0	0	0	0	0	0	0

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate		Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		1E-I-S	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 042					1,284	0	0	0	0	0	0	0	0	0
		1E-I-R	1	1	1,927	1,927	0	0	0	0	0	0	0	0	0
	Zone - 043					1,927	0	0	0	0	0	0	0	0	0
		1E-I-L	1	1	3,211	3,211	0	0	0	0	0	0	0	0	0
	Zone - 044					3,211	0	0	0	0	0	0	0	0	0
		4- 4W-P-S-MS	1	1	89	89	0	0	0	0	89	48	52	0	45
	Zone - 045					89	0	0	0	0	89	48	52	0	45
		4- 4E-P-SE-OO	1	1	2,278	2,278	0	0	0	0	0	0	0	0	0
	Zone - 046					2,278	0	0	0	0	0	0	0	0	0
		1W-P-SW-CN	1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 047					187	0	0	0	0	0	74	40	0	112
		1W-P-NW-R	1	1	123	123	0	0	0	0	0	50	34	0	97
	Zone - 048					123	0	0	0	0	0	50	34	0	97
		1W-P-NW-L	1	1	206	206	0	0	0	0	0	83	34	0	161
	Zone - 049					206	0	0	0	0	0	83	34	0	161
		4- 4E-P-SE-L	1	1	456	456	0	0	0	0	0	0	0	0	0
	Zone - 050					456	0	0	0	0	0	0	0	0	0
		4- 4E-P-SE-MS	1	1	304	304	0	0	0	0	0	0	0	0	0
	Zone - 051					304	0	0	0	0	0	0	0	0	0
		3- 3W-P-N-CR	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 052					86	0	0	0	0	0	17	26	0	49
		3- 3W-P-N-PO	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 053					86	0	0	0	0	0	17	26	0	49
		4- 4E-I-MS	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 054					1,284	0	0	0	0	0	0	0	0	0
		4- 4E-I-L	1	1	1,927	1,927	0	0	0	0	0	0	0	0	0
	Zone - 055					1,927	0	0	0	0	0	0	0	0	0
		4- 4E-I-OO	1	1	9,633	9,633	0	0	0	0	0	0	0	0	0
	Zone - 056					9,633	0	0	0	0	0	0	0	0	0
		4- 4W-I-L	1	1	771	771	0	0	0	0	771	0	0	0	0
	Zone - 057					771	0	0	0	0	771	0	0	0	0
		4- 4W-I-MS	1	1	514	514	0	0	0	0	514	0	0	0	0
	Zone - 058					514	0	0	0	0	514	0	0	0	0
		4- 4W-I-OO	1	1	3,857	3,857	0	0	0	0	3,857	0	0	0	0
	Zone - 059					3,857	0	0	0	0	3,857	0	0	0	0
		4- 4E-P-NW-L	1	1	594	594	0	0	0	0	0	0	0	0	0
	Zone - 060					594	0	0	0	0	0	0	0	0	0
		4- 4E-P-NW-MS	1	1	396	396	0	0	0	0	0	0	0	0	0
	Zone - 061					396	0	0	0	0	0	0	0	0	0
		4- 4E-P-W-OO	1	1	2,972	2,972	0	0	0	0	0	0	0	0	0

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 062					2,972	0	0	0	0	0	0	0	0	0
	4- 4E-P-NE-MS		1	1	115	115	0	0	0	0	0	0	0	0	0
	Zone - 063					115	0	0	0	0	0	0	0	0	0
	4- 4E-P-NE-L		1	1	172	172	0	0	0	0	0	0	0	0	0
	Zone - 064					172	0	0	0	0	0	0	0	0	0
	4- 4E-P-NE-00		1	1	862	862	0	0	0	0	0	0	0	0	0
	Zone - 065					862	0	0	0	0	0	0	0	0	0
	3- 3W-P-N-CN		1	1	43	43	0	0	0	0	0	9	26	0	24
	Zone - 066					43	0	0	0	0	0	9	26	0	24
	3- 3W-P-N-OO		1	1	647	647	0	0	0	0	0	130	26	0	366
	Zone - 067					647	0	0	0	0	0	130	26	0	366
	3- 3W-P-NW-CN		1	1	41	41	0	0	0	0	0	17	34	0	32
	Zone - 068					41	0	0	0	0	0	17	34	0	32
	3- 3W-P-NW-CR		1	1	82	82	0	0	0	0	0	33	34	0	64
	Zone - 069					82	0	0	0	0	0	33	34	0	64
	3- 3W-P-SW-PO		1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 070					187	0	0	0	0	0	74	40	0	112
	3- 3W-P-NW-PO		1	1	82	82	0	0	0	0	0	33	34	0	64
	Zone - 071					82	0	0	0	0	0	33	34	0	64
	3- 3W-P-NW-OO		1	1	617	617	0	0	0	0	0	249	34	0	483
	Zone - 072					617	0	0	0	0	0	249	34	0	483
	3- 3W-P-SW-CN		1	1	93	93	0	0	0	0	0	37	40	0	56
	Zone - 073					93	0	0	0	0	0	37	40	0	56
	2- 2W-P-S-OO		1	1	665	665	0	0	0	0	0	358	52	0	336
	Zone - 074					665	0	0	0	0	0	358	52	0	336
	2- 2W-P-S-CN		1	1	44	44	0	0	0	0	0	24	52	0	22
	Zone - 075					44	0	0	0	0	0	24	52	0	22
	2- 2E-P-SE-CN		1	1	152	152	0	0	0	0	0	58	41	0	83
	Zone - 076					152	0	0	0	0	0	58	41	0	83
	2- 2E-P-SE-PO		1	1	304	304	0	0	0	0	0	116	41	0	166
	Zone - 077					304	0	0	0	0	0	116	41	0	166
	2- 2W-P-S-CR		1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 078					89	0	0	0	0	0	48	52	0	45
	2- 2E-P-SE-CR		1	1	304	304	0	0	0	0	0	116	41	0	166
	Zone - 079					304	0	0	0	0	0	116	41	0	166
	2- 2E-P-NE-PO		1	1	115	115	0	0	0	0	0	60	48	0	64
	Zone - 080					115	0	0	0	0	0	60	48	0	64
	2- 2E-P-SE-OO		1	1	2,278	2,278	0	0	0	0	0	869	41	0	1,242
	Zone - 081					2,278	0	0	0	0	0	869	41	0	1,242
	2- 2E-P-NE-OO		1	1	862	862	0	0	0	0	0	449	48	0	480
	Zone - 082					862	0	0	0	0	0	449	48	0	480



# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		2- 2E-P-NE-CR	1	1	115	115	0	0	0	0	0	60	48	0	64
	Zone - 083					115	0	0	0	0	0	60	48	0	64
		2- 2E-P-NW-PO	1	1	396	396	0	0	0	0	0	133	38	0	219
	Zone - 084					396	0	0	0	0	0	133	38	0	219
		2- 2E-P-NW-CR	1	1	396	396	0	0	0	0	0	133	38	0	219
	Zone - 085					396	0	0	0	0	0	133	38	0	219
		2- 2E-P-NE-CN	1	1	57	57	0	0	0	0	0	30	48	0	32
	Zone - 086					57	0	0	0	0	0	30	48	0	32
		2- 2E-P-NW-CN	1	1	198	198	0	0	0	0	0	67	38	0	109
	Zone - 087					198	0	0	0	0	0	67	38	0	109
		2- 2E-P-NW-OO	1	1	2,972	2,972	0	0	0	0	0	1,000	38	0	1,639
	Zone - 088					2,972	0	0	0	0	0	1,000	38	0	1,639
		2- 2W-I-SM	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 089					1,029	0	0	0	0	0	0	0	0	0
		2- 2W-I-CN	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 090					1,029	0	0	0	0	0	0	0	0	0
		2- 2W-I-CR	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 091					514	0	0	0	0	0	0	0	0	0
		2- 2E-I-SM	1	1	2,569	2,569	0	0	0	0	0	0	0	0	0
	Zone - 092					2,569	0	0	0	0	0	0	0	0	0
		1W-P-NW-M	1	1	82	82	0	0	0	0	0	33	34	0	64
	Zone - 093					82	0	0	0	0	0	33	34	0	64
		2- 2E-I-CR	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 094					1,284	0	0	0	0	0	0	0	0	0
		2- 2W-I-OO	1	1	2,572	2,572	0	0	0	0	0	0	0	0	0
	Zone - 095					2,572	0	0	0	0	0	0	0	0	0
		2- 2E-I-OO	1	1	6,422	6,422	0	0	0	0	0	0	0	0	0
	Zone - 096					6,422	0	0	0	0	0	0	0	0	0
		1W-P-N-CN	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 097					86	0	0	0	0	0	17	26	0	49
		1W-P-N-S	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 098					86	0	0	0	0	0	17	26	0	49
		1W-P-N-OO	1	1	259	259	0	0	0	0	0	52	26	0	147
	Zone - 099					259	0	0	0	0	0	52	26	0	147
		1W-P-N-M	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 100					86	0	0	0	0	0	17	26	0	49
		1W-P-N-L	1	1	2,158	2,158	0	0	0	0	0	43	26	0	122
	Zone - 101					2,158	0	0	0	0	0	43	26	0	122
		1W-P-N-R	1	1	129	129	0	0	0	0	0	26	26	0	73
	Zone - 102					129	0	0	0	0	0	26	26	0	73
		1W-P-NW-CN	1	1	82	82	0	0	0	0	0	33	34	0	64

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 103					82	0	0	0	0	0	33	34	0	64
		1W-P-NW-S	1	1	82	82	0	0	0	0	0	33	34	0	64
	Zone - 104					82	0	0	0	0	0	33	34	0	64
		1W-P-NW-OO	1	1	247	247	0	0	0	0	0	99	34	0	193
	Zone - 105					247	0	0	0	0	0	99	34	0	193
		2- 2E-I-CN	1	1	2,569	2,569	0	0	0	0	0	0	0	0	0
	Zone - 106					2,569	0	0	0	0	0	0	0	0	0
		2- 2W-P-SW-CN	1	1	93	93	0	0	0	0	0	37	40	0	56
	Zone - 107					93	0	0	0	0	0	37	40	0	56
		2- 2W-P-NW-OO	1	1	617	617	0	0	0	0	0	249	34	0	483
	Zone - 108					617	0	0	0	0	0	249	34	0	483
		2- 2W-P-SW-PO	1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 109					187	0	0	0	0	0	74	40	0	112
		2- 2W-P-NW-CR	1	1	82	82	0	0	0	0	0	33	34	0	64
	Zone - 110					82	0	0	0	0	0	33	34	0	64
		2- 2W-P-NW-PO	1	1	82	82	0	0	0	0	0	33	34	0	64
	Zone - 111					82	0	0	0	0	0	33	34	0	64
		2- 2W-P-NW-CN	1	1	41	41	0	0	0	0	0	17	34	0	32
	Zone - 112					41	0	0	0	0	0	17	34	0	32
		1W-I-M	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 113					514	0	0	0	0	0	0	0	0	0
		1W-I-OO	1	1	1,543	1,543	0	0	0	0	0	0	0	0	0
	Zone - 114					1,543	0	0	0	0	0	0	0	0	0
		1W-I-S	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 115					514	0	0	0	0	0	0	0	0	0
		1W-I-CN	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 116					514	0	0	0	0	0	0	0	0	0
		1E-P-NW-R	1	1	594	594	0	0	0	0	0	200	38	0	328
	Zone - 117					594	0	0	0	0	0	200	38	0	328
		1E-P-NW-L	1	1	991	991	0	0	0	0	0	333	38	0	546
	Zone - 118					991	0	0	0	0	0	333	38	0	546
		1E-P-NW-M	1	1	397	397	0	0	0	0	0	133	38	0	219
	Zone - 119					397	0	0	0	0	0	133	38	0	219
		1E-P-NW-OO	1	1	1,189	1,189	0	0	0	0	0	400	38	0	656
	Zone - 120					1,189	0	0	0	0	0	400	38	0	656
		2- 2W-P-S-PO	1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 121					89	0	0	0	0	0	48	52	0	45
		2- 2W-P-SW-CR	1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 122					187	0	0	0	0	0	74	40	0	112
		2- 2W-P-SW-OO	1	1	1,399	1,399	0	0	0	0	0	558	40	0	842
	Zone - 123					1,399	0	0	0	0	0	558	40	0	842

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		2- 2W-P-N-OO	1	1	647	647	0	0	0	0	0	130	26	0	366
	Zone - 124					647	0	0	0	0	0	130	26	0	366
		2- 2W-P-N-CN	1	1	43	43	0	0	0	0	0	9	26	0	24
	Zone - 125					43	0	0	0	0	0	9	26	0	24
		2- 2W-P-N-CR	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 126					86	0	0	0	0	0	17	26	0	49
		2- 2W-P-N-PO	1	1	86	86	0	0	0	0	0	17	26	0	49
	Zone - 127					86	0	0	0	0	0	17	26	0	49
		3- 3E-I-OO	1	1	6,422	6,422	0	0	0	0	6,422	0	0	0	0
	Zone - 128					6,422	0	0	0	0	6,422	0	0	0	0
		3- 3E-I-CR	1	1	1,284	1,284	0	0	0	0	1,284	0	0	0	0
	Zone - 129					1,284	0	0	0	0	1,284	0	0	0	0
		3- 3E-I-CN	1	1	2,569	2,569	0	0	0	0	2,569	0	0	0	0
	Zone - 130					2,569	0	0	0	0	2,569	0	0	0	0
		3- 3E-I-SM	1	1	2,569	2,569	0	0	0	0	2,569	0	0	0	0
	Zone - 131					2,569	0	0	0	0	2,569	0	0	0	0
		3- 3W-I-OO	1	1	2,572	2,572	0	0	0	0	0	0	0	0	0
	Zone - 132					2,572	0	0	0	0	0	0	0	0	0
		3- 3W-I-CR	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 133					514	0	0	0	0	0	0	0	0	0
		3- 3W-I-CN	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 134					1,029	0	0	0	0	0	0	0	0	0
		3- 3W-I-SM	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 135					1,029	0	0	0	0	0	0	0	0	0
		3- 3E-P-NW-OO	1	1	2,972	2,972	0	0	0	0	2,972	1,000	38	0	1,639
	Zone - 136					2,972	0	0	0	0	2,972	1,000	38	0	1,639
		3- 3E-P-NW-CN	1	1	198	198	0	0	0	0	198	67	38	0	109
	Zone - 137					198	0	0	0	0	198	67	38	0	109
		3- 3E-P-NW-CR	1	1	396	396	0	0	0	0	396	133	38	0	219
	Zone - 138					396	0	0	0	0	396	133	38	0	219
		3- 3E-P-NW-PO	1	1	396	396	0	0	0	0	396	133	38	0	219
	Zone - 139					396	0	0	0	0	396	133	38	0	219
		3- 3E-P-NE-CR	1	1	115	115	0	0	0	0	115	60	48	0	64
	Zone - 140					115	0	0	0	0	115	60	48	0	64
		3- 3E-P-NE-OO	1	1	862	862	0	0	0	0	862	449	48	0	480
	Zone - 141					862	0	0	0	0	862	449	48	0	480
		3- 3E-P-NE-CN	1	1	57	57	0	0	0	0	57	30	48	0	32
	Zone - 142					57	0	0	0	0	57	30	48	0	32
		3- 3E-P-SE-OO	1	1	2,278	2,278	0	0	0	0	2,278	869	41	0	1,242
	Zone - 143					2,278	0	0	0	0	2,278	869	41	0	1,242
		3- 3E-P-NE-PO	1	1	115	115	0	0	0	0	115	60	48	0	64

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 144					115	0	0	0	0	115	60	48	0	64
	3- 3E-P-SE-CR		1	1	304	304	0	0	0	0	304	116	41	0	166
	Zone - 145					304	0	0	0	0	304	116	41	0	166
	3- 3E-P-SE-PO		1	1	304	304	0	0	0	0	304	116	41	0	166
	Zone - 146					304	0	0	0	0	304	116	41	0	166
	3- 3E-P-SE-CN		1	1	152	152	0	0	0	0	152	58	41	0	83
	Zone - 147					152	0	0	0	0	152	58	41	0	83
	3- 3W-P-S-CR		1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 148					89	0	0	0	0	0	48	52	0	45
	3- 3W-P-S-OO		1	1	665	665	0	0	0	0	0	358	52	0	336
	Zone - 149					665	0	0	0	0	0	358	52	0	336
	3- 3W-P-S-CN		1	1	44	44	0	0	0	0	0	24	52	0	22
	Zone - 150					44	0	0	0	0	0	24	52	0	22
	3- 3W-P-S-PO		1	1	89	89	0	0	0	0	0	48	52	0	45
	Zone - 151					89	0	0	0	0	0	48	52	0	45
	3- 3W-P-SW-CR		1	1	187	187	0	0	0	0	0	74	40	0	112
	Zone - 152					187	0	0	0	0	0	74	40	0	112
	3- 3W-P-SW-OO		1	1	1,399	1,399	0	0	0	0	0	558	40	0	842
	Zone - 153					1,399	0	0	0	0	0	558	40	0	842
	AHUs vav w/ rh					123,591	0	0	0	0	29,927	16,041	40	0	23,889

**Total building Window Area: 16,041 ft²**

**Total building Wall Area: 39,930 ft²**

**Building Total Window %: 40.2%**

**Total building Skylight Area: 0 ft²**

**Total building Roof Area: 29,927 ft²**

**Building Total Skylight %: 0.0%**

**Total building Floor Area: 123,591 ft²**

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
<b>Alternative 2</b>															
		4- 4W-P-NW-OO	1	1	617	617	0	0	0	0	617	380	52	0	351
	Zone -	001				617	0	0	0	0	617	380	52	0	351
		4- 4W-P-NW-MS	1	1	82	82	0	0	0	0	82	51	52	0	47
	Zone -	002				82	0	0	0	0	82	51	52	0	47
		4- 4W-P-SW-OO	1	1	1,399	1,399	0	0	0	0	1,399	854	61	0	546
	Zone -	003				1,399	0	0	0	0	1,399	854	61	0	546
		4- 4W-P-SW-L	1	1	280	280	0	0	0	0	280	171	61	0	109
	Zone -	004				280	0	0	0	0	280	171	61	0	109
		4- 4W-P-SW-MS	1	1	187	187	0	0	0	0	187	114	61	0	73
	Zone -	005				187	0	0	0	0	187	114	61	0	73
		4- 4W-P-S-OO	1	1	665	665	0	0	0	0	665	548	79	0	146
	Zone -	006				665	0	0	0	0	665	548	79	0	146
		4- 4W-P-S-L	1	1	133	133	0	0	0	0	133	110	79	0	29
	Zone -	007				133	0	0	0	0	133	110	79	0	29
		1W-P-SW-M	1	1	187	187	0	0	0	0	0	114	61	0	73
	Zone -	008				187	0	0	0	0	0	114	61	0	73
		1W-P-SW-OO	1	1	560	560	0	0	0	0	0	341	61	0	218
	Zone -	009				560	0	0	0	0	0	341	61	0	218
		1W-P-SW-S	1	1	187	187	0	0	0	0	0	114	61	0	73
	Zone -	010				187	0	0	0	0	0	114	61	0	73
		1W-P-SW-L	1	1	466	466	0	0	0	0	0	285	61	0	182
	Zone -	011				466	0	0	0	0	0	285	61	0	182
		1E-I-M	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone -	012				1,284	0	0	0	0	0	0	0	0	0
		1W-P-SW-R	1	1	280	280	0	0	0	0	0	171	61	0	109
	Zone -	014				280	0	0	0	0	0	171	61	0	109
		1W-P-S-CN	1	1	89	89	0	0	0	0	0	73	79	0	19
	Zone -	015				89	0	0	0	0	0	73	79	0	19
		1W-P-S-S	1	1	89	89	0	0	0	0	0	73	79	0	19
	Zone -	016				89	0	0	0	0	0	73	79	0	19
		1W-P-S-M	1	1	89	89	0	0	0	0	0	73	79	0	19
	Zone -	017				89	0	0	0	0	0	73	79	0	19
		1W-P-S-OO	1	1	266	266	0	0	0	0	0	219	79	0	58
	Zone -	018				266	0	0	0	0	0	219	79	0	58
		1W-P-S-L	1	1	222	222	0	0	0	0	0	183	79	0	49
	Zone -	019				222	0	0	0	0	0	183	79	0	49
		1W-P-S-R	1	1	133	133	0	0	0	0	0	110	79	0	29
	Zone -	020				133	0	0	0	0	0	110	79	0	29
		1E-P-SE-CN	1	1	304	304	0	0	0	0	0	177	63	0	104

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 021					304	0	0	0	0	0	177	63	0	104
	1E-P-SE-S		1	1	304	304	0	0	0	0	0	177	63	0	104
	Zone - 022					304	0	0	0	0	0	177	63	0	104
	1E-P-SE-M		1	1	304	304	0	0	0	0	0	177	63	0	104
	Zone - 023					304	0	0	0	0	0	177	63	0	104
	1E-P-SE-OO		1	1	911	911	0	0	0	0	0	532	63	0	312
	Zone - 024					911	0	0	0	0	0	532	63	0	312
	1E-P-SE-R		1	1	456	456	0	0	0	0	0	266	63	0	156
	Zone - 025					456	0	0	0	0	0	266	63	0	156
	1E-P-SE-L		1	1	759	759	0	0	0	0	0	443	63	0	260
	Zone - 026					759	0	0	0	0	0	443	63	0	260
	1E-P-NE-CN		1	1	115	115	0	0	0	0	0	92	74	0	32
	Zone - 027					115	0	0	0	0	0	92	74	0	32
	1E-P-NE-S		1	1	115	115	0	0	0	0	0	92	74	0	32
	Zone - 028					115	0	0	0	0	0	92	74	0	32
	1E-P-NE-OO		1	1	345	345	0	0	0	0	0	275	74	0	97
	Zone - 029					345	0	0	0	0	0	275	74	0	97
	1E-P-NE-L		1	1	287	287	0	0	0	0	0	229	74	0	81
	Zone - 030					287	0	0	0	0	0	229	74	0	81
	1E-P-NE-M		1	1	115	115	0	0	0	0	0	92	74	0	32
	Zone - 031					115	0	0	0	0	0	92	74	0	32
	1E-P-NW-CN		1	1	397	397	0	0	0	0	0	204	58	0	148
	Zone - 032					397	0	0	0	0	0	204	58	0	148
	1E-P-NE-R		1	1	172	172	0	0	0	0	0	137	74	0	48
	Zone - 033					172	0	0	0	0	0	137	74	0	48
	1E-P-NW-S		1	1	397	397	0	0	0	0	0	204	58	0	148
	Zone - 034					397	0	0	0	0	0	204	58	0	148
	4- 4W-P-N-MS		1	1	86	86	0	0	0	0	86	26	40	0	40
	Zone - 035					86	0	0	0	0	86	26	40	0	40
	4- 4W-P-NW-L		1	1	123	123	0	0	0	0	123	76	52	0	70
	Zone - 036					123	0	0	0	0	123	76	52	0	70
	4- 4W-P-N-L		1	1	129	129	0	0	0	0	129	40	40	0	60
	Zone - 037					129	0	0	0	0	129	40	40	0	60
	1W-I-R		1	1	771	771	0	0	0	0	0	0	0	0	0
	Zone - 038					771	0	0	0	0	0	0	0	0	0
	1W-I-L		1	1	1,286	1,286	0	0	0	0	0	0	0	0	0
	Zone - 039					1,286	0	0	0	0	0	0	0	0	0
	IE-I-CN		1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 040					1,284	0	0	0	0	0	0	0	0	0
	1E-I-OO		1	1	3,853	3,853	0	0	0	0	0	0	0	0	0
	Zone - 041					3,853	0	0	0	0	0	0	0	0	0

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		1E-I-S	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 042					1,284	0	0	0	0	0	0	0	0	0
		1E-I-R	1	1	1,927	1,927	0	0	0	0	0	0	0	0	0
	Zone - 043					1,927	0	0	0	0	0	0	0	0	0
		1E-I-L	1	1	3,211	3,211	0	0	0	0	0	0	0	0	0
	Zone - 044					3,211	0	0	0	0	0	0	0	0	0
		4- 4W-P-S-MS	1	1	89	89	0	0	0	0	89	73	79	0	19
	Zone - 045					89	0	0	0	0	89	73	79	0	19
		4- 4E-P-SE-OO	1	1	2,278	2,278	0	0	0	0	0	0	0	0	0
	Zone - 046					2,278	0	0	0	0	0	0	0	0	0
		1W-P-SW-CN	1	1	187	187	0	0	0	0	0	114	61	0	73
	Zone - 047					187	0	0	0	0	0	114	61	0	73
		1W-P-NW-R	1	1	123	123	0	0	0	0	0	76	52	0	70
	Zone - 048					123	0	0	0	0	0	76	52	0	70
		1W-P-NW-L	1	1	206	206	0	0	0	0	0	127	52	0	117
	Zone - 049					206	0	0	0	0	0	127	52	0	117
		4- 4E-P-SE-L	1	1	456	456	0	0	0	0	0	0	0	0	0
	Zone - 050					456	0	0	0	0	0	0	0	0	0
		4- 4E-P-SE-MS	1	1	304	304	0	0	0	0	0	0	0	0	0
	Zone - 051					304	0	0	0	0	0	0	0	0	0
		3- 3W-P-N-CR	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 052					86	0	0	0	0	0	26	40	0	40
		3- 3W-P-N-PO	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 053					86	0	0	0	0	0	26	40	0	40
		4- 4E-I-MS	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 054					1,284	0	0	0	0	0	0	0	0	0
		4- 4E-I-L	1	1	1,927	1,927	0	0	0	0	0	0	0	0	0
	Zone - 055					1,927	0	0	0	0	0	0	0	0	0
		4- 4E-I-OO	1	1	9,633	9,633	0	0	0	0	0	0	0	0	0
	Zone - 056					9,633	0	0	0	0	0	0	0	0	0
		4- 4W-I-L	1	1	771	771	0	0	0	0	771	0	0	0	0
	Zone - 057					771	0	0	0	0	771	0	0	0	0
		4- 4W-I-MS	1	1	514	514	0	0	0	0	514	0	0	0	0
	Zone - 058					514	0	0	0	0	514	0	0	0	0
		4- 4W-I-OO	1	1	3,857	3,857	0	0	0	0	3,857	0	0	0	0
	Zone - 059					3,857	0	0	0	0	3,857	0	0	0	0
		4- 4E-P-NW-L	1	1	594	594	0	0	0	0	0	0	0	0	0
	Zone - 060					594	0	0	0	0	0	0	0	0	0
		4- 4E-P-NW-MS	1	1	396	396	0	0	0	0	0	0	0	0	0
	Zone - 061					396	0	0	0	0	0	0	0	0	0
		4- 4E-P-W-OO	1	1	2,972	2,972	0	0	0	0	0	0	0	0	0

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		Zone - 062				2,972	0	0	0	0	0	0	0	0	0
		4- 4E-P-NE-MS	1	1	115	115	0	0	0	0	0	0	0	0	0
		Zone - 063				115	0	0	0	0	0	0	0	0	0
		4- 4E-P-NE-L	1	1	172	172	0	0	0	0	0	0	0	0	0
		Zone - 064				172	0	0	0	0	0	0	0	0	0
		4- 4E-P-NE-00	1	1	862	862	0	0	0	0	0	0	0	0	0
		Zone - 065				862	0	0	0	0	0	0	0	0	0
		3- 3W-P-N-CN	1	1	43	43	0	0	0	0	0	13	40	0	20
		Zone - 066				43	0	0	0	0	0	13	40	0	20
		3- 3W-P-N-OO	1	1	647	647	0	0	0	0	0	198	40	0	298
		Zone - 067				647	0	0	0	0	0	198	40	0	298
		3- 3W-P-NW-CN	1	1	41	41	0	0	0	0	0	25	52	0	23
		Zone - 068				41	0	0	0	0	0	25	52	0	23
		3- 3W-P-NW-CR	1	1	82	82	0	0	0	0	0	51	52	0	47
		Zone - 069				82	0	0	0	0	0	51	52	0	47
		3- 3W-P-SW-PO	1	1	187	187	0	0	0	0	0	114	61	0	73
		Zone - 070				187	0	0	0	0	0	114	61	0	73
		3- 3W-P-NW-PO	1	1	82	82	0	0	0	0	0	51	52	0	47
		Zone - 071				82	0	0	0	0	0	51	52	0	47
		3- 3W-P-NW-OO	1	1	617	617	0	0	0	0	0	380	52	0	351
		Zone - 072				617	0	0	0	0	0	380	52	0	351
		3- 3W-P-SW-CN	1	1	93	93	0	0	0	0	0	57	61	0	36
		Zone - 073				93	0	0	0	0	0	57	61	0	36
		2- 2W-P-S-OO	1	1	665	665	0	0	0	0	0	548	79	0	146
		Zone - 074				665	0	0	0	0	0	548	79	0	146
		2- 2W-P-S-CN	1	1	44	44	0	0	0	0	0	37	79	0	10
		Zone - 075				44	0	0	0	0	0	37	79	0	10
		2- 2E-P-SE-CN	1	1	152	152	0	0	0	0	0	89	63	0	52
		Zone - 076				152	0	0	0	0	0	89	63	0	52
		2- 2E-P-SE-PO	1	1	304	304	0	0	0	0	0	177	63	0	104
		Zone - 077				304	0	0	0	0	0	177	63	0	104
		2- 2W-P-S-CR	1	1	89	89	0	0	0	0	0	73	79	0	19
		Zone - 078				89	0	0	0	0	0	73	79	0	19
		2- 2E-P-SE-CR	1	1	304	304	0	0	0	0	0	177	63	0	104
		Zone - 079				304	0	0	0	0	0	177	63	0	104
		2- 2E-P-NE-PO	1	1	115	115	0	0	0	0	0	92	74	0	32
		Zone - 080				115	0	0	0	0	0	92	74	0	32
		2- 2E-P-SE-OO	1	1	2,278	2,278	0	0	0	0	0	1,330	63	0	781
		Zone - 081				2,278	0	0	0	0	0	1,330	63	0	781
		2- 2E-P-NE-OO	1	1	862	862	0	0	0	0	0	687	74	0	242
		Zone - 082				862	0	0	0	0	0	687	74	0	242



# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		2- 2E-P-NE-CR	1	1	115	115	0	0	0	0	0	92	74	0	32
	Zone - 083					115	0	0	0	0	0	92	74	0	32
		2- 2E-P-NW-PO	1	1	396	396	0	0	0	0	0	204	58	0	148
	Zone - 084					396	0	0	0	0	0	204	58	0	148
		2- 2E-P-NW-CR	1	1	396	396	0	0	0	0	0	204	58	0	148
	Zone - 085					396	0	0	0	0	0	204	58	0	148
		2- 2E-P-NE-CN	1	1	57	57	0	0	0	0	0	46	74	0	16
	Zone - 086					57	0	0	0	0	0	46	74	0	16
		2- 2E-P-NW-CN	1	1	198	198	0	0	0	0	0	102	58	0	74
	Zone - 087					198	0	0	0	0	0	102	58	0	74
		2- 2E-P-NW-OO	1	1	2,972	2,972	0	0	0	0	0	1,530	58	0	1,108
	Zone - 088					2,972	0	0	0	0	0	1,530	58	0	1,108
		2- 2W-I-SM	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 089					1,029	0	0	0	0	0	0	0	0	0
		2- 2W-I-CN	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 090					1,029	0	0	0	0	0	0	0	0	0
		2- 2W-I-CR	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 091					514	0	0	0	0	0	0	0	0	0
		2- 2E-I-SM	1	1	2,569	2,569	0	0	0	0	0	0	0	0	0
	Zone - 092					2,569	0	0	0	0	0	0	0	0	0
		1W-P-NW-M	1	1	82	82	0	0	0	0	0	51	52	0	47
	Zone - 093					82	0	0	0	0	0	51	52	0	47
		2- 2E-I-CR	1	1	1,284	1,284	0	0	0	0	0	0	0	0	0
	Zone - 094					1,284	0	0	0	0	0	0	0	0	0
		2- 2W-I-OO	1	1	2,572	2,572	0	0	0	0	0	0	0	0	0
	Zone - 095					2,572	0	0	0	0	0	0	0	0	0
		2- 2E-I-OO	1	1	6,422	6,422	0	0	0	0	0	0	0	0	0
	Zone - 096					6,422	0	0	0	0	0	0	0	0	0
		1W-P-N-CN	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 097					86	0	0	0	0	0	26	40	0	40
		1W-P-N-S	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 098					86	0	0	0	0	0	26	40	0	40
		1W-P-N-OO	1	1	259	259	0	0	0	0	0	79	40	0	119
	Zone - 099					259	0	0	0	0	0	79	40	0	119
		1W-P-N-M	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 100					86	0	0	0	0	0	26	40	0	40
		1W-P-N-L	1	1	2,158	2,158	0	0	0	0	0	66	40	0	99
	Zone - 101					2,158	0	0	0	0	0	66	40	0	99
		1W-P-N-R	1	1	129	129	0	0	0	0	0	40	40	0	60
	Zone - 102					129	0	0	0	0	0	40	40	0	60
		1W-P-NW-CN	1	1	82	82	0	0	0	0	0	51	52	0	47

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 103					82	0	0	0	0	0	51	52	0	47
	1W-P-NW-S		1	1	82	82	0	0	0	0	0	51	52	0	47
	Zone - 104					82	0	0	0	0	0	51	52	0	47
	1W-P-NW-OO		1	1	247	247	0	0	0	0	0	152	52	0	140
	Zone - 105					247	0	0	0	0	0	152	52	0	140
	2- 2E-I-CN		1	1	2,569	2,569	0	0	0	0	0	0	0	0	0
	Zone - 106					2,569	0	0	0	0	0	0	0	0	0
	2- 2W-P-SW-CN		1	1	93	93	0	0	0	0	0	57	61	0	36
	Zone - 107					93	0	0	0	0	0	57	61	0	36
	2- 2W-P-NW-OO		1	1	617	617	0	0	0	0	0	380	52	0	351
	Zone - 108					617	0	0	0	0	0	380	52	0	351
	2- 2W-P-SW-PO		1	1	187	187	0	0	0	0	0	114	61	0	73
	Zone - 109					187	0	0	0	0	0	114	61	0	73
	2- 2W-P-NW-CR		1	1	82	82	0	0	0	0	0	51	52	0	47
	Zone - 110					82	0	0	0	0	0	51	52	0	47
	2- 2W-P-NW-PO		1	1	82	82	0	0	0	0	0	51	52	0	47
	Zone - 111					82	0	0	0	0	0	51	52	0	47
	2- 2W-P-NW-CN		1	1	41	41	0	0	0	0	0	25	52	0	23
	Zone - 112					41	0	0	0	0	0	25	52	0	23
	1W-I-M		1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 113					514	0	0	0	0	0	0	0	0	0
	1W-I-OO		1	1	1,543	1,543	0	0	0	0	0	0	0	0	0
	Zone - 114					1,543	0	0	0	0	0	0	0	0	0
	1W-I-S		1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 115					514	0	0	0	0	0	0	0	0	0
	1W-I-CN		1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 116					514	0	0	0	0	0	0	0	0	0
	1E-P-NW-R		1	1	594	594	0	0	0	0	0	306	58	0	222
	Zone - 117					594	0	0	0	0	0	306	58	0	222
	1E-P-NW-L		1	1	991	991	0	0	0	0	0	510	58	0	369
	Zone - 118					991	0	0	0	0	0	510	58	0	369
	1E-P-NW-M		1	1	397	397	0	0	0	0	0	204	58	0	148
	Zone - 119					397	0	0	0	0	0	204	58	0	148
	1E-P-NW-OO		1	1	1,189	1,189	0	0	0	0	0	612	58	0	443
	Zone - 120					1,189	0	0	0	0	0	612	58	0	443
	2- 2W-P-S-PO		1	1	89	89	0	0	0	0	0	73	79	0	19
	Zone - 121					89	0	0	0	0	0	73	79	0	19
	2- 2W-P-SW-CR		1	1	187	187	0	0	0	0	0	114	61	0	73
	Zone - 122					187	0	0	0	0	0	114	61	0	73
	2- 2W-P-SW-OO		1	1	1,399	1,399	0	0	0	0	0	854	61	0	546
	Zone - 123					1,399	0	0	0	0	0	854	61	0	546

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/ Wall %	Ext Door Area ft²	Net Wall Area ft²
		2- 2W-P-N-OO	1	1	647	647	0	0	0	0	0	198	40	0	298
	Zone - 124					647	0	0	0	0	0	198	40	0	298
		2- 2W-P-N-CN	1	1	43	43	0	0	0	0	0	13	40	0	20
	Zone - 125					43	0	0	0	0	0	13	40	0	20
		2- 2W-P-N-CR	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 126					86	0	0	0	0	0	26	40	0	40
		2- 2W-P-N-PO	1	1	86	86	0	0	0	0	0	26	40	0	40
	Zone - 127					86	0	0	0	0	0	26	40	0	40
		3- 3E-I-OO	1	1	6,422	6,422	0	0	0	0	6,422	0	0	0	0
	Zone - 128					6,422	0	0	0	0	6,422	0	0	0	0
		3- 3E-I-CR	1	1	1,284	1,284	0	0	0	0	1,284	0	0	0	0
	Zone - 129					1,284	0	0	0	0	1,284	0	0	0	0
		3- 3E-I-CN	1	1	2,569	2,569	0	0	0	0	2,569	0	0	0	0
	Zone - 130					2,569	0	0	0	0	2,569	0	0	0	0
		3- 3E-I-SM	1	1	2,569	2,569	0	0	0	0	2,569	0	0	0	0
	Zone - 131					2,569	0	0	0	0	2,569	0	0	0	0
		3- 3W-I-OO	1	1	2,572	2,572	0	0	0	0	0	0	0	0	0
	Zone - 132					2,572	0	0	0	0	0	0	0	0	0
		3- 3W-I-CR	1	1	514	514	0	0	0	0	0	0	0	0	0
	Zone - 133					514	0	0	0	0	0	0	0	0	0
		3- 3W-I-CN	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 134					1,029	0	0	0	0	0	0	0	0	0
		3- 3W-I-SM	1	1	1,029	1,029	0	0	0	0	0	0	0	0	0
	Zone - 135					1,029	0	0	0	0	0	0	0	0	0
		3- 3E-P-NW-OO	1	1	2,972	2,972	0	0	0	0	2,972	1,530	58	0	1,108
	Zone - 136					2,972	0	0	0	0	2,972	1,530	58	0	1,108
		3- 3E-P-NW-CN	1	1	198	198	0	0	0	0	198	102	58	0	74
	Zone - 137					198	0	0	0	0	198	102	58	0	74
		3- 3E-P-NW-CR	1	1	396	396	0	0	0	0	396	204	58	0	148
	Zone - 138					396	0	0	0	0	396	204	58	0	148
		3- 3E-P-NW-PO	1	1	396	396	0	0	0	0	396	204	58	0	148
	Zone - 139					396	0	0	0	0	396	204	58	0	148
		3- 3E-P-NE-CR	1	1	115	115	0	0	0	0	115	92	74	0	32
	Zone - 140					115	0	0	0	0	115	92	74	0	32
		3- 3E-P-NE-OO	1	1	862	862	0	0	0	0	862	687	74	0	242
	Zone - 141					862	0	0	0	0	862	687	74	0	242
		3- 3E-P-NE-CN	1	1	57	57	0	0	0	0	57	46	74	0	16
	Zone - 142					57	0	0	0	0	57	46	74	0	16
		3- 3E-P-SE-OO	1	1	2,278	2,278	0	0	0	0	2,278	1,330	63	0	781
	Zone - 143					2,278	0	0	0	0	2,278	1,330	63	0	781
		3- 3E-P-NE-PO	1	1	115	115	0	0	0	0	115	92	74	0	32

# BUILDING AREAS

By Trial

Sys	Zon	Room	Number of Duplicate Floors	Number of Duplicate Rooms	Floor Area/ Duplicate Room ft²	Total Floor Area ft²	Partition Area ft²	Int Door Area ft²	Exposed Floor Area ft²	Skylight Area ft²	Net Roof Area ft²	Window Area ft²	Window/Wall %	Ext Door Area ft²	Net Wall Area ft²
	Zone - 144					115	0	0	0	0	115	92	74	0	32
	3- 3E-P-SE-CR		1	1	304	304	0	0	0	0	304	177	63	0	104
	Zone - 145					304	0	0	0	0	304	177	63	0	104
	3- 3E-P-SE-PO		1	1	304	304	0	0	0	0	304	177	63	0	104
	Zone - 146					304	0	0	0	0	304	177	63	0	104
	3- 3E-P-SE-CN		1	1	152	152	0	0	0	0	152	89	63	0	52
	Zone - 147					152	0	0	0	0	152	89	63	0	52
	3- 3W-P-S-CR		1	1	89	89	0	0	0	0	0	73	79	0	19
	Zone - 148					89	0	0	0	0	0	73	79	0	19
	3- 3W-P-S-OO		1	1	665	665	0	0	0	0	0	548	79	0	146
	Zone - 149					665	0	0	0	0	0	548	79	0	146
	3- 3W-P-S-CN		1	1	44	44	0	0	0	0	0	37	79	0	10
	Zone - 150					44	0	0	0	0	0	37	79	0	10
	3- 3W-P-S-PO		1	1	89	89	0	0	0	0	0	73	79	0	19
	Zone - 151					89	0	0	0	0	0	73	79	0	19
	3- 3W-P-SW-CR		1	1	187	187	0	0	0	0	0	114	61	0	73
	Zone - 152					187	0	0	0	0	0	114	61	0	73
	3- 3W-P-SW-OO		1	1	1,399	1,399	0	0	0	0	0	854	61	0	546
	Zone - 153					1,399	0	0	0	0	0	854	61	0	546
	AHUs vav w/ rh					123,591	0	0	0	0	29,927	24,556	61	0	15,374

**Total building Window Area: 24,556 ft²**

**Total building Wall Area: 39,930 ft²**

**Building Total Window %: 61.5%**

**Total building Skylight Area: 0 ft²**

**Total building Roof Area: 29,927 ft²**

**Building Total Skylight %: 0.0%**

**Total building Floor Area: 123,591 ft²**

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
<b>Alternative 1</b>													
4- 4W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	22.1	4.7
Zone - 001 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	22.1	4.7
4- 4W-P-NW-MS	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	22.1	4.7
Zone - 002 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	22.1	4.7
4- 4W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	20.3	4.2
Zone - 003 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	20.3	4.2
4- 4W-P-SW-L	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	20.3	4.2
Zone - 004 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	20.3	4.2
4- 4W-P-SW-MS	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	20.3	4.2
Zone - 005 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	20.3	4.2
4- 4W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 006 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.3	4.0
4- 4W-P-S-L	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 007 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1W-P-SW-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 008 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 009 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1W-P-SW-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 010 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1W-P-SW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 011 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1E-I-M	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 012 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-SW-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 014 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1W-P-S-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 015 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
1W-P-S-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 016 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
1W-P-S-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS						Btu/h·ft <sup>2</sup> ·°F					Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Summer Window	Winter Window	External Door	Wall	Ceiling		
Zone - 017 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
1W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 018 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
1W-P-S-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 019 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
1W-P-S-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 020 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
1E-P-SE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
Zone - 021 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
1E-P-SE-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
Zone - 022 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
1E-P-SE-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
Zone - 023 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
1E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
Zone - 024 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
1E-P-SE-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
Zone - 025 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
1E-P-SE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
Zone - 026 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
1E-P-NE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 027 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NE-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 028 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 029 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 030 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NE-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 031 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 032 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NE-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 033 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
1E-P-NW-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 034 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
4- 4W-P-N-MS	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.9	4.2
Zone - 035 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.9	4.2
4- 4W-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	22.1	4.7
Zone - 036 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	22.1	4.7
4- 4W-P-N-L	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.9	4.2
Zone - 037 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.9	4.2
1W-I-R	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 038 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 039 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
IE-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 040 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 041 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 042 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-R	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 043 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 044 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4W-P-S-MS	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 045 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.3	4.0
4- 4E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 046 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-SW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 047 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
1W-P-NW-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 048 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
1W-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 049 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
4- 4E-P-SE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 050 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-SE-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 051 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-P-N-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
Zone - 052 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
3- 3W-P-N-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
Zone - 053 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
4- 4E-I-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 054 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-I-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 055 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 056 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4W-I-L	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9
Zone - 057 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9
4- 4W-I-MS	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9
Zone - 058 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9
4- 4W-I-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9
Zone - 059 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9
4- 4E-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 060 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NW-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 061 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-W-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 062 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NE-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 063 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 064 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NE-00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7



# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F	
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling			
							Summer Window	Winter Window						
Zone - 065 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-P-N-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	18.9	4.0
Zone - 066 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	18.9	4.0
3- 3W-P-N-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	18.9	4.0
Zone - 067 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	18.9	4.0
3- 3W-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
Zone - 068 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
3- 3W-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
Zone - 069 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
3- 3W-P-SW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	19.3	4.0
Zone - 070 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	19.3	4.0
3- 3W-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
Zone - 071 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
3- 3W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
Zone - 072 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	21.1	4.5
3- 3W-P-SW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	19.3	4.0
Zone - 073 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	19.3	4.0
2- 2W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	18.3	3.8
Zone - 074 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	18.3	3.8
2- 2W-P-S-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	18.3	3.8
Zone - 075 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	18.3	3.8
2- 2E-P-SE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9
Zone - 076 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9
2- 2E-P-SE-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9
Zone - 077 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9
2- 2W-P-S-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	18.3	3.8
Zone - 078 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	18.3	3.8
2- 2E-P-SE-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9
Zone - 079 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9
2- 2E-P-NE-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	18.8	3.9
Zone - 080 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	18.8	3.9
2- 2E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	18.7	3.9

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 081 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.7	3.9
2- 2E-P-NE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 082 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2E-P-NE-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 083 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2E-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 084 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2E-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 085 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2E-P-NE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 086 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2E-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 087 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2E-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
Zone - 088 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9
2- 2W-I-SM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 089 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 090 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-I-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 091 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2E-I-SM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 092 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-NW-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 093 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
2- 2E-I-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 094 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 095 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2E-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 096 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-N-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 097 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
1W-P-N-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
Zone - 098 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
1W-P-N-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
Zone - 099 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
1W-P-N-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
Zone - 100 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
1W-P-N-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	13.9	2.8
Zone - 101 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	13.9	2.8
1W-P-N-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
Zone - 102 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0
1W-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 103 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
1W-P-NW-S	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 104 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
1W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 105 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
2- 2E-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 106 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-P-SW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 107 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
2- 2W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 108 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
2- 2W-P-SW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 109 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
2- 2W-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 110 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
2- 2W-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 111 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
2- 2W-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
Zone - 112 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	21.1	4.5
1W-I-M	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F	
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling			
							Summer Window	Winter Window						
Zone - 113 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 114 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 115 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 116 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-P-NW-R	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
Zone - 117 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
1E-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
Zone - 118 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
1E-P-NW-M	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
Zone - 119 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
1E-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
Zone - 120 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.8	3.9	
2- 2W-P-S-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8	
Zone - 121 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8	
2- 2W-P-SW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0	
Zone - 122 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0	
2- 2W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0	
Zone - 123 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0	
2- 2W-P-N-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
Zone - 124 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
2- 2W-P-N-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
Zone - 125 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
2- 2W-P-N-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
Zone - 126 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
2- 2W-P-N-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
Zone - 127 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.9	4.0	
3- 3E-I-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9	
Zone - 128 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9	
3- 3E-I-CR	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.317	14.3	2.9	

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F	
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling			
							Summer Window	Winter Window						
Zone - 129 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.317	14.3	2.9
3- 3E-I-CN	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.317	14.3	2.9
Zone - 130 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.317	14.3	2.9
3- 3E-I-SM	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.317	14.3	2.9
Zone - 131 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.317	14.3	2.9
3- 3W-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 132 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-I-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 133 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 134 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-I-SM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 135 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3E-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 136 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 137 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 138 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 139 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-NE-CR	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 140 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-NE-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 141 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-NE-CN	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 142 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1	
Zone - 143 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1	
3- 3E-P-NE-PO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
Zone - 144 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.8	4.1	
3- 3E-P-SE-CR	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1	

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 145 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1
3- 3E-P-SE-PO	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1
Zone - 146 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1
3- 3E-P-SE-CN	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1
Zone - 147 - Zone	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	19.7	4.1
3- 3W-P-S-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 148 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
3- 3W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 149 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
3- 3W-P-S-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 150 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
3- 3W-P-S-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
Zone - 151 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	18.3	3.8
3- 3W-P-SW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 152 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
3- 3W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
Zone - 153 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.450	0.451	0.000	0.065	0.317	19.3	4.0
AHUs vav w/ rh - System	0.000	0.000	0.000	0.000	0.000	0.048	0.450	0.451	0.000	0.065	0.317	15.5	3.2

### Overall U-Factors

<b>Roof</b>	0.048 Btu/h·ft <sup>2</sup> ·°F
<b>Wall</b>	0.219 Btu/h·ft <sup>2</sup> ·°F
<b>Building</b>	0.146 Btu/h·ft <sup>2</sup> ·°F

### Overall Thermal Transfer Values

<b>Roof (OTTVr)</b>	4.36 Btu/hr·ft <sup>2</sup>
<b>Wall (OTTVw)</b>	28.21 Btu/hr·ft <sup>2</sup>

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
<b>Alternative 2</b>													
4- 4W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	27.3	6.3
Zone - 001 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	27.3	6.3
4- 4W-P-NW-MS	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	27.3	6.3
Zone - 002 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	27.3	6.3
4- 4W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.5	5.9
Zone - 003 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.5	5.9
4- 4W-P-SW-L	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.5	5.9
Zone - 004 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.5	5.9
4- 4W-P-SW-MS	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.5	5.9
Zone - 005 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.5	5.9
4- 4W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	23.8	5.5
Zone - 006 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	23.8	5.5
4- 4W-P-S-L	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	23.8	5.5
Zone - 007 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	23.8	5.5
1W-P-SW-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 008 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
1W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 009 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
1W-P-SW-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 010 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
1W-P-SW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 011 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
1E-I-M	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 012 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-SW-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 014 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
1W-P-S-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 015 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
1W-P-S-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 016 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
1W-P-S-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS						Btu/h·ft <sup>2</sup> ·°F					Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Summer Window	Winter Window	External Door	Wall	Ceiling		
Zone - 017 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
1W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 018 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
1W-P-S-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 019 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
1W-P-S-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 020 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
1E-P-SE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
Zone - 021 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
1E-P-SE-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
Zone - 022 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
1E-P-SE-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
Zone - 023 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
1E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
Zone - 024 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
1E-P-SE-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
Zone - 025 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
1E-P-SE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
Zone - 026 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
1E-P-NE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 027 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
1E-P-NE-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 028 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
1E-P-NE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 029 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
1E-P-NE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 030 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
1E-P-NE-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 031 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
1E-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
Zone - 032 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
1E-P-NE-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3



# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 033 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
1E-P-NW-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
Zone - 034 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
4- 4W-P-N-MS	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	26.2	6.0
Zone - 035 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	26.2	6.0
4- 4W-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	27.3	6.3
Zone - 036 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	27.3	6.3
4- 4W-P-N-L	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	26.2	6.0
Zone - 037 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	26.2	6.0
1W-I-R	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 038 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 039 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 040 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 041 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 042 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-R	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 043 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-I-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 044 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4W-P-S-MS	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	23.8	5.5
Zone - 045 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	23.8	5.5
4- 4E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 046 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-SW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 047 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
1W-P-NW-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 048 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
1W-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 049 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
4- 4E-P-SE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 050 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-SE-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 051 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-P-N-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
Zone - 052 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
3- 3W-P-N-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
Zone - 053 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
4- 4E-I-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 054 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-I-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 055 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 056 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4W-I-L	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0
Zone - 057 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0
4- 4W-I-MS	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0
Zone - 058 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0
4- 4W-I-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0
Zone - 059 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0
4- 4E-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 060 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NW-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 061 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-W-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 062 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NE-MS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 063 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NE-L	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 064 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
4- 4E-P-NE-00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F	
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling			
							Summer Window	Winter Window						
Zone - 065 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-P-N-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	18.0	3.7
Zone - 066 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	18.0	3.7
3- 3W-P-N-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	18.0	3.7
Zone - 067 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	18.0	3.7
3- 3W-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
Zone - 068 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
3- 3W-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
Zone - 069 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
3- 3W-P-SW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	17.3	3.6
Zone - 070 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	17.3	3.6
3- 3W-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
Zone - 071 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
3- 3W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
Zone - 072 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	19.1	4.0
3- 3W-P-SW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	17.3	3.6
Zone - 073 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	17.3	3.6
2- 2W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	15.5	3.2
Zone - 074 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	15.5	3.2
2- 2W-P-S-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	15.5	3.2
Zone - 075 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	15.5	3.2
2- 2E-P-SE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5
Zone - 076 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5
2- 2E-P-SE-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5
Zone - 077 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5
2- 2W-P-S-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	15.5	3.2
Zone - 078 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	15.5	3.2
2- 2E-P-SE-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5
Zone - 079 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5
2- 2E-P-NE-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	16.2	3.3
Zone - 080 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	16.2	3.3
2- 2E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	16.8	3.5

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 081 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.8	3.5
2- 2E-P-NE-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 082 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
2- 2E-P-NE-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 083 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
2- 2E-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
Zone - 084 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
2- 2E-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
Zone - 085 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
2- 2E-P-NE-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
Zone - 086 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	16.2	3.3
2- 2E-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
Zone - 087 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
2- 2E-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
Zone - 088 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5
2- 2W-I-SM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 089 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 090 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-I-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 091 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2E-I-SM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 092 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-NW-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 093 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
2- 2E-I-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 094 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 095 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2E-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 096 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-P-N-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS						Btu/h·ft <sup>2</sup> ·°F					Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Summer Window	Winter Window	External Door	Wall	Ceiling		
Zone - 097 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
1W-P-N-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
Zone - 098 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
1W-P-N-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
Zone - 099 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
1W-P-N-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
Zone - 100 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
1W-P-N-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	13.8	2.8
Zone - 101 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	13.8	2.8
1W-P-N-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
Zone - 102 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7
1W-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 103 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
1W-P-NW-S	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 104 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
1W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 105 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
2- 2E-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 106 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
2- 2W-P-SW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 107 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
2- 2W-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 108 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
2- 2W-P-SW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 109 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
2- 2W-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 110 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
2- 2W-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 111 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
2- 2W-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
Zone - 112 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	19.1	4.0
1W-I-M	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F	
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling			
							Summer Window	Winter Window						
Zone - 113 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 114 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 115 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1W-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 116 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
1E-P-NW-R	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
Zone - 117 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
1E-P-NW-L	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
Zone - 118 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
1E-P-NW-M	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
Zone - 119 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
1E-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
Zone - 120 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.1	3.5	
2- 2W-P-S-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2	
Zone - 121 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2	
2- 2W-P-SW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6	
Zone - 122 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6	
2- 2W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6	
Zone - 123 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6	
2- 2W-P-N-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
Zone - 124 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
2- 2W-P-N-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
Zone - 125 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
2- 2W-P-N-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
Zone - 126 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
2- 2W-P-N-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
Zone - 127 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	18.0	3.7	
3- 3E-I-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0	
Zone - 128 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0	
3- 3E-I-CR	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.317	21.5	5.0	

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F	
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling			
							Summer Window	Winter Window						
Zone - 129 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.317	21.5	5.0
3- 3E-I-CN	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.317	21.5	5.0
Zone - 130 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.317	21.5	5.0
3- 3E-I-SM	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.317	21.5	5.0
Zone - 131 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.317	21.5	5.0
3- 3W-I-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 132 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-I-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 133 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-I-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 134 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3W-I-SM	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
Zone - 135 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.317	13.3	2.7
3- 3E-P-NW-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
Zone - 136 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
3- 3E-P-NW-CN	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
Zone - 137 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
3- 3E-P-NW-CR	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
Zone - 138 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
3- 3E-P-NW-PO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
Zone - 139 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.3	25.3	5.8
3- 3E-P-NE-CR	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
Zone - 140 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
3- 3E-P-NE-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
Zone - 141 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
3- 3E-P-NE-CN	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
Zone - 142 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
3- 3E-P-SE-OO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	25.0	5.8
Zone - 143 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	25.0	5.8
3- 3E-P-NE-PO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
Zone - 144 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	24.4	24.4	5.6
3- 3E-P-SE-CR	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	25.0	5.8

# BUILDING U-FACTORS

By Trial

Description	ROOM U-FACTORS											Room Mass lb/ft <sup>2</sup>	Room Capacitance Btu/lb·°F
	Partition	Internal Door	Exposed Floor	Summer Skylight	Winter Skylight	Roof	Btu/h·ft <sup>2</sup> ·°F		External Door	Wall	Ceiling		
							Summer Window	Winter Window					
Zone - 145 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	5.8
3- 3E-P-SE-PO	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	5.8
Zone - 146 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	5.8
3- 3E-P-SE-CN	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	5.8
Zone - 147 - Zone	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	25.0	5.8
3- 3W-P-S-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 148 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
3- 3W-P-S-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 149 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
3- 3W-P-S-CN	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 150 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
3- 3W-P-S-PO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
Zone - 151 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	15.5	3.2
3- 3W-P-SW-CR	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 152 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
3- 3W-P-SW-OO	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
Zone - 153 - Zone	0.000	0.000	0.000	0.000	0.000	0.000	0.330	0.331	0.000	0.050	0.317	17.3	3.6
AHUs vav w/ rh - System	0.000	0.000	0.000	0.000	0.000	0.036	0.330	0.331	0.000	0.050	0.317	16.6	3.5

Overall U-Factors		Overall Thermal Transfer Values	
<b>Roof</b>	0.036 Btu/h·ft <sup>2</sup> ·°F	<b>Roof (OTTVr)</b>	1.95 Btu/hr·ft <sup>2</sup>
<b>Wall</b>	0.222 Btu/h·ft <sup>2</sup> ·°F	<b>Wall (OTTVw)</b>	23.76 Btu/hr·ft <sup>2</sup>
<b>Building</b>	0.142 Btu/h·ft <sup>2</sup> ·°F		



# Design Cooling Load Summary

By Trial  
WEX Building  
Portland Maine

System - AHUs vav w/ rh

Type - Variable Volume Reheat (30% Min Flow Default)

## Coil Location - System

Coil Peak Calculation Time: July, hour 17  
Ambient DB/WB/HR: 82 / 71 / 97

### COOLING COIL LOAD INFORMATION

### COOLING COIL SELECTION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	677,977		677,977	12.2%
Glass Transmission	73,991		73,991	1.3%
Wall Transmission	40,982		40,982	0.7%
Roof Transmission	0		0	0.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	0		0	0.0%
Net Ceiling Load	0		0	0.0%
Lighting	379,636		379,636	6.8%
People	216,069	172,855	388,924	7.0%
Misc. Equipment Loads	197,172	0	197,172	3.5%
Cooling Infiltration	161,173	404,335	565,509	10.2%
<b>Sub-Total ==&gt;</b>	<b>1,747,000</b>	<b>577,191</b>	<b>2,324,191</b>	<b>41.8%</b>
Ventilation Load	0	0	0	0.0%
Exhaust Heat	-6,820	0	-6,820	-0.1%
Supply Fan Load	235,791		235,791	4.2%
Return Fan Load	1		1	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	13,314		13,314	0.2%
Roof Load to Plenum	55,184		55,184	1.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	2,940,781		2,940,781	52.9%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
<b>Total Cooling Loads</b>	<b>4,985,251</b>	<b>577,191</b>	<b>5,562,442</b>	<b>100.0 %</b>

Coil Selection Parameters	
Coil Entering Air (DB / WB)	72.7 / 59.9 °F
Coil Entering Humidity Ratio	56.64 gr/lb
Coil Leaving Air (DB / WB)	54.4 / 51.9 °F
Coil Leaving Humidity Ratio	53.67 gr/lb
Coil Sensible Load	4,985.25 MBh
Coil Total Load	5,562.44 MBh
Cooling Supply Air Temperature	55.00 °F
Total Cooling Airflow	248,683.84 cfm
Resulting Room Relative Humidity	48.24 %

### General Engineering Checks

Total Cooling Load	463.5 ton
Area / Load	266.63 ft²/ton
Total Floor Area	123,591 ft²
Cooling Airflow	2.01 cfm/ft²
Airflow / Load	536.49 cfm/ton
Percent Outdoor Air	0.0 %
Cooling Load Methodology	TETD-TA1

# Design Cooling Load Summary

By Trial  
WEX Building  
Portland Maine

**System - AHUs vav w/ rh**  
**Type - Variable Volume Reheat (30% Min Flow Default)**

## Coil Location - System

Coil Peak Calculation Time: July, hour 17  
Ambient DB/WB/HR: 82 / 71 / 97

### COOLING COIL LOAD INFORMATION

### COOLING COIL SELECTION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	572,675		572,675	10.1%
Glass Transmission	84,187		84,187	1.5%
Wall Transmission	35,221		35,221	0.6%
Roof Transmission	0		0	0.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	0		0	0.0%
Net Ceiling Load	0		0	0.0%
Lighting	379,636		379,636	6.7%
People	216,069	172,855	388,924	6.9%
Misc. Equipment Loads	196,944	0	196,944	3.5%
Cooling Infiltration	161,173	408,542	569,716	10.1%
<b>Sub-Total ==&gt;</b>	<b>1,645,906</b>	<b>581,398</b>	<b>2,227,303</b>	<b>39.3%</b>
Ventilation Load	0	0	0	0.0%
Exhaust Heat	-10,874	0	-10,874	-0.2%
Supply Fan Load	336,956		336,956	6.0%
Return Fan Load	1		1	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	21,811		21,811	0.4%
Roof Load to Plenum	83,703		83,703	1.5%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	3,004,181		3,004,181	53.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
<b>Total Cooling Loads</b>	<b>5,081,683</b>	<b>581,398</b>	<b>5,663,081</b>	<b>100.0 %</b>

Coil Selection Parameters	
Coil Entering Air (DB / WB)	73.1 / 60.5 °F
Coil Entering Humidity Ratio	58.74 gr/lb
Coil Leaving Air (DB / WB)	54.2 / 52.4 °F
Coil Leaving Humidity Ratio	56.01 gr/lb
Coil Sensible Load	5,081.68 MBh
Coil Total Load	5,663.08 MBh
Cooling Supply Air Temperature	55.00 °F
Total Cooling Airflow	247,221.89 cfm
Resulting Room Relative Humidity	47.88 %

### General Engineering Checks

Total Cooling Load	471.9 ton
Area / Load	261.89 ft²/ton
Total Floor Area	123,591 ft²
Cooling Airflow	2.00 cfm/ft²
Airflow / Load	523.86 cfm/ton
Percent Outdoor Air	0.0 %
Cooling Load Methodology	TETD-TA1

# BUILDING COOL HEAT DEMAND

By Trial

January Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	16.8	15.2	0	0.0	-305,935	0.0	-244,821	0.0	-611,538	0.0	-602,111	0.0
2	15.8	14.5	0	0.0	-395,748	0.0	-387,231	0.0	-622,118	0.0	-621,940	0.0
3	15.5	14.3	0	0.0	-406,080	0.0	-383,341	0.0	-608,258	0.0	-608,258	0.0
4	15.8	14.6	0	0.0	-410,452	0.0	-400,120	0.0	-606,484	0.0	-606,484	0.0
5	16.8	15.6	-67,212	0.0	-471,276	0.0	-400,946	0.0	-611,614	0.0	-611,614	0.0
6	18.3	17.2	-338,428	0.0	-446,761	0.0	-379,639	0.0	-558,057	0.0	-558,057	0.0
7	20.3	19.3	-393,559	0.0	-423,851	0.0	-402,479	0.0	-556,517	0.0	-528,515	0.0
8	22.7	21.3	-4,537,861	56.7	-4,504,836	52.6	-391,513	0.0	-506,915	0.0	-4,741,771	52.5
9	25.2	24.0	-4,224,799	121.6	-3,956,375	112.5	-264,918	0.0	-379,308	0.0	-3,956,375	111.9
10	27.7	26.1	-498,730	68.6	-269,441	50.5	-214,350	0.0	-317,788	0.0	-269,441	50.2
11	30.0	27.7	-345,713	79.2	-219,156	56.0	-156,207	0.0	-264,010	0.0	-219,156	55.7
12	32.0	29.0	-275,180	90.1	-163,377	61.1	-130,004	0.0	-227,140	0.0	-163,377	60.7
13	33.5	30.1	-246,239	93.5	-214,843	61.9	-129,135	0.0	-232,755	0.0	-214,843	61.5
14	34.5	30.7	-228,441	89.4	-179,835	59.4	-115,832	0.0	-203,305	0.0	-179,835	59.0
15	34.8	30.8	-213,749	79.1	-221,036	55.5	-123,029	0.0	-216,739	0.0	-221,036	55.1
16	34.5	30.6	-268,420	66.6	-281,255	49.7	-202,673	0.0	-235,948	0.0	-281,255	49.3
17	33.5	30.0	-330,266	45.5	-277,894	39.4	-241,313	0.0	-238,099	0.0	-277,894	39.1
18	32.0	29.1	0	37.4	0	37.2	-242,874	0.0	-242,872	0.0	0	37.0
19	30.0	27.6	0	0.0	0	0.0	-263,303	0.0	-263,301	0.0	0	0.0
20	27.7	25.7	0	0.0	0	0.0	-297,754	0.0	-297,752	0.0	0	0.0
21	25.2	23.3	0	0.0	0	0.0	-325,616	0.0	-325,519	0.0	0	0.0
22	22.7	21.1	0	0.0	0	0.0	-392,149	0.0	-391,977	0.0	0	0.0
23	20.3	18.7	-1,036	0.0	-4,233	0.0	-466,970	0.0	-466,969	0.0	-4,233	0.0
24	18.3	17.0	-60,290	0.0	-67,265	0.0	-528,704	0.0	-528,701	0.0	-67,265	0.0

February Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	20.7	19.3	-234,727	0.0	-247,701	0.0	-109,340	0.0	-528,166	0.0	-518,679	0.0
2	18.8	17.4	-395,401	0.0	-379,361	0.0	-318,147	0.0	-631,323	0.0	-631,138	0.0
3	17.1	15.8	-411,331	0.0	-403,963	0.0	-381,529	0.0	-628,044	0.0	-628,044	0.0
4	15.7	14.7	-438,331	0.0	-439,390	0.0	-401,463	0.0	-635,535	0.0	-635,535	0.0
5	14.7	13.8	-515,438	0.0	-493,502	0.0	-415,915	0.0	-635,884	0.0	-635,884	0.0
6	14.1	13.3	-548,399	0.0	-488,188	0.0	-414,380	0.0	-610,841	0.0	-610,841	0.0
7	13.8	12.9	-635,327	0.0	-489,108	0.0	-468,200	0.0	-625,813	0.0	-597,798	0.0
8	14.4	13.4	-4,901,495	55.0	-4,690,049	52.5	-400,800	0.0	-546,364	0.0	-4,779,814	52.5
9	16.2	14.8	-3,960,641	113.9	-3,940,662	110.9	-305,814	0.0	-441,409	0.0	-3,940,662	110.8
10	18.8	17.0	-494,803	73.1	-388,405	51.4	-281,956	0.0	-417,917	0.0	-388,405	51.4
11	22.1	19.5	-351,013	79.4	-343,924	54.4	-237,216	0.0	-375,675	0.0	-343,924	54.3
12	25.6	22.0	-274,044	88.1	-294,874	55.2	-189,265	0.0	-329,677	0.0	-294,874	55.1
13	28.8	24.9	-243,175	91.5	-288,328	57.0	-223,522	0.0	-296,968	0.0	-288,328	57.0
14	31.5	27.4	-223,334	87.9	-267,059	55.0	-266,594	0.0	-265,176	0.0	-267,059	54.9
15	33.2	29.3	-207,379	80.0	-288,532	54.3	-251,526	0.0	-251,523	0.0	-288,532	54.3
16	33.8	29.7	-240,100	73.4	-252,529	51.6	-218,084	0.0	-218,082	0.0	-252,529	51.6
17	33.6	30.0	-258,936	58.4	-262,991	45.2	-214,603	0.0	-214,601	0.0	-262,991	45.2
18	32.9	29.9	0	37.5	0	37.2	-230,737	0.0	-230,735	0.0	0	37.1
19	31.9	29.3	0	0.0	0	0.0	-239,730	0.0	-239,728	0.0	0	0.0
20	30.5	28.3	0	0.0	0	0.0	-262,681	0.0	-262,679	0.0	0	0.0
21	28.8	26.7	0	0.0	0	0.0	-307,235	0.0	-307,174	0.0	0	0.0
22	26.9	24.8	0	0.0	0	0.0	-367,258	0.0	-367,171	0.0	0	0.0
23	24.9	23.1	-2,727	0.0	0	0.0	-411,923	0.0	-411,921	0.0	0	0.0
24	22.8	21.0	-80,617	0.0	-34,164	0.0	-447,226	0.0	-447,225	0.0	-34,164	0.0

# BUILDING COOL HEAT DEMAND

By Trial

March Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	29.5	27.5	-60,093	0.0	-4,309	0.0	-4,185	0.0	-286,686	0.0	-278,066	0.0
2	28.0	26.1	-175,518	0.0	-53,900	0.0	-40,119	0.0	-315,332	0.0	-315,095	0.0
3	26.8	25.1	-271,255	0.0	-106,831	0.0	-94,023	0.0	-360,628	0.0	-360,325	0.0
4	25.7	24.0	-279,614	0.0	-210,150	0.0	-196,615	0.0	-420,091	0.0	-419,747	0.0
5	24.9	23.4	-298,764	0.0	-290,474	0.0	-286,864	0.0	-463,510	0.0	-463,511	0.0
6	24.5	22.9	-300,993	0.0	-320,477	0.0	-301,871	0.0	-499,845	0.0	-499,845	0.0
7	24.3	22.8	-236,475	0.0	-251,192	0.0	-253,357	0.0	-427,384	0.0	-399,437	0.0
8	24.9	23.4	-4,001,800	49.8	-3,682,311	46.7	-180,391	0.0	-357,798	0.0	-4,521,475	50.8
9	26.8	24.6	-3,509,279	106.8	-3,734,901	106.6	-145,909	0.0	-327,191	0.0	-3,734,895	106.5
10	29.5	26.5	-259,185	76.1	-285,850	52.3	-135,117	0.0	-300,783	0.0	-285,850	52.3
11	32.7	29.1	-162,152	80.8	-212,302	56.4	-124,096	0.0	-235,283	0.0	-212,302	56.4
12	36.0	31.5	-100,982	87.3	-130,981	61.3	-77,853	0.0	-170,998	0.0	-130,981	61.2
13	38.7	34.1	-78,511	89.2	-151,517	61.1	-62,700	0.0	-151,474	0.0	-151,517	61.0
14	40.5	35.9	-62,810	85.5	-146,063	56.3	-54,868	0.0	-134,049	0.0	-146,063	56.2
15	41.2	36.2	-41,218	80.4	-142,086	55.7	-48,261	0.0	-120,027	0.0	-142,086	55.6
16	41.0	36.0	-57,984	79.5	-101,984	53.8	-31,048	0.0	-97,806	0.0	-101,984	53.6
17	40.5	35.9	-93,186	76.0	-101,950	50.1	-39,985	0.0	-111,767	0.0	-101,950	49.9
18	39.8	35.4	0	38.9	0	38.3	-44,781	0.0	-103,950	0.0	0	38.2
19	38.7	35.2	0	0.0	0	0.0	-50,441	0.0	-107,361	0.0	0	0.0
20	37.4	34.1	0	0.0	0	0.0	-82,290	0.0	-136,989	0.0	0	0.0
21	36.0	33.2	0	0.0	0	0.0	-199,825	0.0	-199,339	0.0	0	0.0
22	34.4	31.9	0	0.0	0	0.0	-212,655	0.0	-212,655	0.0	0	0.0
23	32.7	30.5	0	0.0	0	0.0	-242,418	0.0	-242,418	0.0	0	0.0
24	31.1	29.1	0	0.0	0	0.0	-252,234	0.0	-252,215	0.0	0	0.0

April Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	36.9	34.4	0	0.0	0	0.0	0	0.0	-15,001	0.0	-74,788	0.0
2	35.3	33.0	-14,451	0.0	0	0.0	0	0.0	-24,891	0.0	-102,105	0.0
3	34.0	32.0	-32,888	0.0	0	0.0	0	0.0	-31,961	0.0	-109,482	0.0
4	33.0	30.9	-57,043	0.0	-11,004	0.0	-10,536	0.0	-97,303	0.0	-155,723	0.0
5	32.4	30.7	-108,622	0.0	-41,206	0.0	-35,397	0.0	-134,939	0.0	-186,735	0.0
6	32.2	30.4	-110,913	0.0	-37,785	0.0	-38,269	0.0	-134,873	0.0	-191,643	0.0
7	32.8	31.0	-72,898	0.0	-17,448	0.0	-24,000	0.0	-113,569	0.0	-142,038	0.0
8	34.4	31.9	-2,729,097	40.8	-2,048,690	36.3	-32,922	0.0	-87,130	0.0	-4,013,392	47.5
9	36.9	32.9	-3,167,007	99.0	-3,295,035	95.7	-25,878	0.0	-61,666	0.0	-3,294,999	95.3
10	39.9	34.6	-57,389	75.7	-71,141	62.5	-6,959	0.0	-31,659	0.0	-71,141	62.3
11	43.2	36.8	-2,537	80.7	-18,644	71.2	0	0.0	-6,237	0.0	-18,644	71.0
12	46.2	38.9	0	89.6	-1,958	75.4	0	0.0	0	0.0	-1,958	75.2
13	48.7	40.8	0	93.0	0	76.0	0	0.0	0	0.0	0	75.9
14	50.3	42.2	0	93.0	0	71.0	0	0.0	0	0.0	0	70.9
15	50.9	42.8	0	95.6	-2,156	65.0	0	0.0	0	0.0	-2,156	64.9
16	50.7	42.9	0	98.8	-14,339	65.8	0	0.0	0	0.0	-14,339	65.8
17	50.1	42.8	0	96.8	-21,706	68.5	0	0.0	-201	0.0	-21,706	68.5
18	49.1	42.8	0	40.9	0	39.7	0	0.0	-619	0.0	0	39.7
19	47.8	42.8	0	0.0	0	0.0	0	0.0	-4,553	0.0	0	0.0
20	46.2	42.4	0	0.0	0	0.0	0	0.0	-12,459	0.0	0	0.0
21	44.4	41.5	0	0.0	0	0.0	0	0.0	-14,340	0.0	0	0.0
22	42.5	39.8	0	0.0	0	0.0	-46	0.0	-19,111	0.0	0	0.0
23	40.6	37.8	0	0.0	0	0.0	-479	0.0	-25,184	0.0	0	0.0
24	38.7	36.0	0	0.0	0	0.0	-1,656	0.0	-53,762	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

May Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	47.5	44.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	45.7	42.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	44.5	41.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	43.7	41.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	43.4	41.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	44.1	41.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	46.3	43.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	49.6	44.9	-513,574	28.7	-138,000	29.1	0	0.0	0	0.0	-945,386	25.8
9	53.6	46.1	-2,664,778	115.9	-2,095,846	71.2	0	0.0	0	0.0	-2,679,597	98.2
10	57.9	48.2	0	99.3	0	84.4	0	0.0	0	0.0	0	84.4
11	61.9	50.7	0	108.6	0	93.1	0	0.0	0	0.0	0	93.2
12	65.2	53.3	0	117.5	0	97.0	0	0.0	0	0.0	0	97.0
13	67.3	55.5	0	122.0	0	99.8	0	0.0	0	0.0	0	99.7
14	68.1	55.7	0	125.6	0	100.1	0	0.0	0	0.0	0	99.9
15	67.8	55.6	0	133.1	0	97.6	0	0.0	0	0.0	0	97.0
16	67.0	55.2	0	138.5	0	94.7	0	0.0	0	0.0	0	93.7
17	65.7	54.1	0	138.1	0	95.9	0	0.0	0	0.0	0	94.9
18	64.0	53.5	0	43.2	0	42.2	0	0.0	0	0.0	0	41.7
19	61.9	52.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	59.5	52.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	57.0	51.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	54.4	49.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	51.9	47.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	49.6	45.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

June Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	55.4	52.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	53.7	50.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	52.5	49.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	51.7	49.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	51.5	49.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	52.2	49.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	54.3	50.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	57.4	51.9	0	41.3	0	42.5	0	0.0	0	0.0	0	40.3
9	61.3	53.0	-952,641	90.1	-441,017	79.1	0	0.0	0	0.0	-950,630	111.9
10	65.4	55.5	0	121.0	0	109.5	0	0.0	0	0.0	0	108.7
11	69.3	57.5	0	127.7	0	117.2	0	0.0	0	0.0	0	115.5
12	72.5	59.7	0	136.3	0	122.6	0	0.0	0	0.0	0	121.1
13	74.6	61.3	0	142.2	0	124.8	0	0.0	0	0.0	0	123.4
14	75.3	61.2	0	149.0	0	127.6	0	0.0	0	0.0	0	126.4
15	75.0	61.9	0	159.8	0	126.3	0	0.0	0	0.0	0	125.3
16	74.3	61.4	0	168.8	0	122.9	0	0.0	0	0.0	0	122.1
17	73.0	61.0	0	171.2	0	122.7	0	0.0	0	2.6	0	122.0
18	71.4	60.2	0	49.2	0	48.0	0	0.0	0	0.0	0	47.6
19	69.3	60.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	67.1	59.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	64.6	59.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	62.1	56.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	59.7	55.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	57.4	53.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

July Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	60.9	59.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	59.6	57.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	58.6	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	58.0	56.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	57.8	56.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	58.4	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	60.0	58.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	62.4	59.8	0	61.5	0	61.9	0	0.0	0	0.0	0	57.0
9	65.4	61.3	-112,756	144.0	-21,477	161.2	0	0.0	0	0.0	-50,385	171.0
10	68.6	63.2	0	163.3	0	143.6	0	0.0	0	0.0	0	162.0
11	71.5	64.6	0	163.7	0	146.3	0	0.0	0	2.4	0	154.1
12	74.0	66.1	0	171.9	0	148.6	0	0.0	0	7.3	0	155.1
13	75.6	66.8	0	175.9	0	147.4	0	0.0	0	3.8	0	152.8
14	76.1	67.2	0	179.5	0	146.8	0	0.0	0	4.3	0	151.2
15	75.9	67.6	0	187.9	0	143.0	0	0.0	0	0.0	0	146.5
16	75.3	67.2	0	195.9	0	139.6	0	0.0	0	4.6	0	142.5
17	74.4	67.0	0	197.6	0	139.8	0	2.6	0	4.9	0	142.2
18	73.1	66.4	0	57.8	0	54.7	0	2.7	0	3.1	0	55.7
19	71.5	66.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	69.8	65.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	67.9	64.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	66.0	63.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	64.1	61.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	62.4	60.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

August Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	54.2	52.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	52.9	51.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	51.9	50.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	51.3	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	51.1	49.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	51.9	50.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	54.2	52.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	57.7	55.0	0	48.4	-2,942	45.2	0	0.0	0	0.0	-88	40.9
9	61.7	57.3	-654,290	109.1	-772,434	75.7	0	0.0	0	0.0	-1,407,128	105.6
10	65.8	59.3	0	144.4	0	120.3	0	0.0	0	0.0	0	117.6
11	69.3	60.9	0	152.3	0	134.8	0	0.0	0	0.0	0	132.5
12	71.6	62.3	0	162.8	0	140.6	0	0.0	0	4.2	0	138.7
13	72.4	62.8	0	167.0	0	139.4	0	0.0	0	5.6	0	137.8
14	72.2	62.8	0	167.7	0	133.7	0	3.5	0	4.8	0	132.4
15	71.6	62.2	0	171.4	0	126.1	0	2.6	0	2.6	0	125.0
16	70.6	61.2	0	174.9	0	120.6	0	0.0	0	3.3	0	119.6
17	69.3	60.2	0	171.6	0	119.1	0	0.0	0	4.3	0	118.2
18	67.7	59.5	0	52.8	0	50.0	0	0.0	0	2.3	0	49.7
19	65.8	59.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	63.8	59.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	61.7	58.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	59.7	56.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	57.7	55.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	55.8	53.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

September	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)
1	45.7	43.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	44.5	42.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	44.1	42.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	44.5	42.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	45.7	44.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	47.6	46.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	50.0	48.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	52.9	50.9	-67,989	31.6	-341,142	33.6	0	0.0	0	0.0	-831,842	32.2
9	56.0	52.1	-2,269,934	108.9	-1,901,520	70.6	0	0.0	0	0.0	-2,665,089	98.9
10	59.1	53.1	0	113.5	0	92.8	0	0.0	0	0.0	0	88.2
11	62.0	54.4	0	130.5	0	109.3	0	0.0	0	0.0	0	104.4
12	64.4	55.3	0	145.3	0	119.7	0	0.0	0	0.0	0	114.9
13	66.3	56.0	0	150.4	0	118.3	0	0.0	0	0.0	0	114.2
14	67.5	56.5	0	148.8	0	109.4	0	2.5	0	3.4	0	106.1
15	67.9	56.8	0	147.2	0	104.6	0	2.4	0	0.0	0	101.8
16	67.5	57.2	0	144.8	0	102.4	0	0.0	0	0.0	0	99.8
17	66.3	57.0	0	133.1	0	96.4	0	0.0	0	0.0	0	94.2
18	64.4	56.4	0	46.6	0	45.5	0	0.0	0	0.0	0	44.5
19	62.0	56.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	59.1	54.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	56.0	52.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	52.9	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	50.0	47.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	47.6	45.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
October	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	42.0	38.9	0	0.0	0	0.0	0	0.0	-2,129	0.0	-2,153	0.0
2	40.5	37.8	0	0.0	0	0.0	0	0.0	-14,866	0.0	-17,135	0.0
3	39.1	36.9	0	0.0	0	0.0	0	0.0	-27,312	0.0	-52,253	0.0
4	38.0	36.0	0	0.0	0	0.0	0	0.0	-50,765	0.0	-89,283	0.0
5	37.2	35.6	0	0.0	0	0.0	0	0.0	-66,558	0.0	-91,784	0.0
6	36.7	35.2	0	0.0	-2,458	0.0	-3,204	0.0	-66,912	0.0	-95,431	0.0
7	36.5	35.0	0	0.0	-13,336	0.0	-11,878	0.0	-70,503	0.0	-86,879	0.0
8	38.0	36.0	-1,337,903	32.8	-1,620,496	37.7	-3,912	0.0	-51,928	0.0	-2,664,638	36.6
9	42.0	38.7	-3,107,475	100.2	-2,826,793	83.1	-4,223	0.0	-31,567	0.0	-3,186,551	92.3
10	47.6	42.3	-12,061	88.1	-58,574	69.6	-843	0.0	-9,826	0.0	-58,574	69.7
11	53.1	46.2	0	105.8	-13,428	79.8	0	0.0	0	0.0	-13,428	79.7
12	57.1	48.9	0	119.8	-374	87.2	0	0.0	0	0.0	-374	87.1
13	58.6	49.5	0	123.1	0	88.4	0	0.0	0	0.0	0	88.1
14	58.4	48.8	0	119.4	0	84.7	0	0.0	0	0.0	0	84.0
15	57.9	48.4	0	112.9	0	79.8	0	0.0	0	0.0	0	78.8
16	57.1	47.8	0	102.6	-1,386	73.6	0	0.0	0	0.0	-1,386	72.4
17	56.0	48.0	0	76.0	-12,305	61.9	0	0.0	0	0.0	-12,305	60.6
18	54.6	48.5	0	40.8	0	40.4	0	0.0	0	0.0	0	39.5
19	53.1	48.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	51.3	47.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	49.5	45.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	47.6	44.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	45.6	42.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	43.8	40.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

November	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)
1	32.4	30.4	0	0.0	0	0.0	0	0.0	-126,173	0.0	-131,312	0.0
2	30.8	28.8	0	0.0	-4,489	0.0	0	0.0	-140,662	0.0	-148,722	0.0
3	29.3	27.5	0	0.0	-40,629	0.0	-17,179	0.0	-162,120	0.0	-179,140	0.0
4	28.1	26.4	-8,797	0.0	-108,376	0.0	-52,089	0.0	-212,751	0.0	-272,835	0.0
5	27.2	25.6	-50,598	0.0	-224,526	0.0	-118,849	0.0	-247,638	0.0	-312,792	0.0
6	26.7	25.0	-143,616	0.0	-248,526	0.0	-215,847	0.0	-291,457	0.0	-351,838	0.0
7	26.5	25.0	-231,304	0.0	-239,697	0.0	-242,411	0.0	-297,729	0.0	-324,142	0.0
8	27.6	25.8	-3,112,174	43.7	-2,892,523	40.0	-179,673	0.0	-238,145	0.0	-4,503,158	50.8
9	30.5	28.0	-3,580,808	104.5	-3,555,770	101.9	-127,607	0.0	-178,314	0.0	-3,555,737	101.3
10	34.8	31.4	-211,918	76.9	-164,193	58.0	-89,430	0.0	-130,311	0.0	-164,193	57.8
11	39.6	35.1	-118,198	90.7	-96,052	66.5	-51,543	0.0	-77,098	0.0	-96,052	66.3
12	43.9	38.6	-44,456	99.0	-67,314	74.7	-26,570	0.0	-42,417	0.0	-67,314	74.5
13	46.9	40.8	-18,160	99.6	-56,829	73.8	-11,605	0.0	-21,945	0.0	-56,829	73.7
14	47.9	41.4	-11,838	94.1	-53,772	69.7	-6,340	0.0	-14,424	0.0	-53,772	69.6
15	47.7	40.7	-14,100	83.6	-53,237	66.3	-8,020	0.0	-15,971	0.0	-53,237	66.2
16	47.2	40.1	-38,831	64.3	-82,950	57.2	-14,477	0.0	-25,557	0.0	-82,950	57.2
17	46.3	40.1	-82,183	44.7	-95,695	50.7	-23,770	0.0	-36,596	0.0	-95,695	50.7
18	45.1	40.2	0	38.7	0	38.6	-33,929	0.0	-49,101	0.0	0	38.6
19	43.7	39.7	0	0.0	0	0.0	-41,032	0.0	-58,679	0.0	0	0.0
20	42.0	38.4	0	0.0	0	0.0	-47,453	0.0	-66,818	0.0	0	0.0
21	40.1	37.2	0	0.0	0	0.0	-57,027	0.0	-80,374	0.0	0	0.0
22	38.2	35.7	0	0.0	0	0.0	-67,403	0.0	-94,852	0.0	0	0.0
23	36.2	33.6	0	0.0	0	0.0	-78,333	0.0	-102,822	0.0	0	0.0
24	34.3	32.1	0	0.0	0	0.0	-108,921	0.0	-115,466	0.0	0	0.0

December	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)
1	23.2	22.3	0	0.0	-176,003	0.0	-60,189	0.0	-343,646	0.0	-408,257	0.0
2	22.0	21.1	-18,973	0.0	-298,849	0.0	-166,289	0.0	-372,710	0.0	-431,954	0.0
3	20.9	20.0	-90,026	0.0	-309,753	0.0	-291,799	0.0	-454,323	0.0	-454,715	0.0
4	20.0	19.3	-300,830	0.0	-339,191	0.0	-317,672	0.0	-490,393	0.0	-490,385	0.0
5	19.4	18.7	-352,330	0.0	-336,402	0.0	-314,022	0.0	-460,906	0.0	-460,906	0.0
6	19.0	18.3	-365,221	0.0	-341,910	0.0	-327,056	0.0	-451,874	0.0	-451,874	0.0
7	18.8	18.2	-360,066	0.0	-387,164	0.0	-340,781	0.0	-488,188	0.0	-460,160	0.0
8	19.4	18.8	-4,289,832	54.5	-4,043,088	49.0	-343,945	0.0	-503,582	0.0	-4,725,482	52.2
9	20.9	20.3	-4,193,526	120.1	-3,848,467	108.5	-218,387	0.0	-345,093	0.0	-3,848,467	108.4
10	23.2	22.1	-469,953	66.7	-253,831	51.5	-174,568	0.0	-303,338	0.0	-253,831	51.4
11	25.9	24.2	-348,058	79.0	-190,427	55.8	-150,448	0.0	-250,693	0.0	-190,427	55.7
12	28.6	26.9	-294,908	88.5	-166,162	59.2	-144,573	0.0	-237,850	0.0	-166,162	59.0
13	30.8	28.9	-279,290	90.0	-154,424	60.6	-125,321	0.0	-210,600	0.0	-154,424	60.4
14	32.4	30.1	-270,801	83.9	-149,984	57.9	-116,566	0.0	-197,516	0.0	-149,984	57.6
15	32.9	30.8	-261,661	71.3	-172,464	55.0	-115,896	0.0	-191,725	0.0	-172,464	54.7
16	32.8	30.6	-336,282	53.9	-214,143	45.3	-127,358	0.0	-206,066	0.0	-214,143	45.0
17	32.4	30.5	-418,679	39.5	-275,181	42.5	-134,779	0.0	-204,351	0.0	-275,181	42.3
18	31.7	30.0	0	37.1	0	37.3	-142,852	0.0	-212,044	0.0	0	37.1
19	30.8	29.5	0	0.0	0	0.0	-149,373	0.0	-219,780	0.0	0	0.0
20	29.8	28.6	0	0.0	0	0.0	-161,834	0.0	-236,579	0.0	0	0.0
21	28.6	27.4	0	0.0	0	0.0	-188,244	0.0	-260,479	0.0	0	0.0
22	27.2	26.3	0	0.0	0	0.0	-236,172	0.0	-312,369	0.0	0	0.0
23	25.9	24.7	-274	0.0	0	0.0	-258,619	0.0	-330,832	0.0	0	0.0
24	24.5	23.5	-44,897	0.0	-12,758	0.0	-315,743	0.0	-397,467	0.0	-12,758	0.0



# BUILDING COOL HEAT DEMAND

By Trial

January Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	16.8	15.2	0	0.0	-265,601	0.0	-248,036	0.0	-617,045	0.0	-607,104	0.0
2	15.8	14.5	0	0.0	-290,732	0.0	-283,903	0.0	-611,026	0.0	-609,475	0.0
3	15.5	14.3	0	0.0	-354,740	0.0	-332,785	0.0	-597,748	0.0	-597,771	0.0
4	15.8	14.6	0	0.0	-405,619	0.0	-397,512	0.0	-596,652	0.0	-596,652	0.0
5	16.8	15.6	-129,180	0.0	-404,858	0.0	-394,949	0.0	-602,485	0.0	-602,485	0.0
6	18.3	17.2	-267,782	0.0	-384,168	0.0	-374,541	0.0	-550,473	0.0	-550,473	0.0
7	20.3	19.3	-306,418	0.0	-367,592	0.0	-367,425	0.0	-549,799	0.0	-522,866	0.0
8	22.7	21.3	-4,433,486	62.4	-4,525,267	60.0	-337,551	0.0	-503,977	0.0	-5,263,485	63.4
9	25.2	24.0	-4,816,052	143.2	-4,507,559	132.7	-232,898	0.0	-397,495	0.0	-4,507,536	131.9
10	27.7	26.1	-535,943	60.2	-297,277	46.2	-176,251	0.0	-325,358	0.0	-297,277	45.9
11	30.0	27.7	-367,145	70.3	-241,297	51.7	-131,521	0.0	-282,430	0.0	-241,297	51.4
12	32.0	29.0	-287,814	80.2	-174,534	55.1	-100,820	0.0	-235,334	0.0	-174,534	54.7
13	33.5	30.1	-256,008	84.7	-222,747	56.2	-98,602	0.0	-240,290	0.0	-222,747	55.8
14	34.5	30.7	-233,926	82.7	-184,416	54.9	-89,221	0.0	-208,638	0.0	-184,416	54.5
15	34.8	30.8	-215,962	75.0	-227,075	52.6	-92,885	0.0	-219,152	0.0	-227,075	52.2
16	34.5	30.6	-257,852	64.7	-282,427	48.1	-166,544	0.0	-235,210	0.0	-282,427	47.8
17	33.5	30.0	-319,064	47.7	-284,482	41.1	-203,068	0.0	-233,521	0.0	-284,482	40.8
18	32.0	29.1	0	39.4	0	38.8	-202,800	0.0	-235,821	0.0	0	38.6
19	30.0	27.6	0	0.0	0	0.0	-220,491	0.0	-256,550	0.0	0	0.0
20	27.7	25.7	0	0.0	0	0.0	-261,925	0.0	-303,150	0.0	0	0.0
21	25.2	23.3	0	0.0	0	0.0	-327,766	0.0	-370,777	0.0	0	0.0
22	22.7	21.1	0	0.0	0	0.0	-400,391	0.0	-409,295	0.0	0	0.0
23	20.3	18.7	-35,302	0.0	-38,604	0.0	-524,672	0.0	-524,532	0.0	-38,604	0.0
24	18.3	17.0	-105,335	0.0	-87,914	0.0	-567,795	0.0	-567,785	0.0	-87,914	0.0

February Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	20.7	19.3	-238,959	0.0	-241,116	0.0	-156,565	0.0	-572,896	0.0	-562,912	0.0
2	18.8	17.4	-288,655	0.0	-280,567	0.0	-267,968	0.0	-620,065	0.0	-618,583	0.0
3	17.1	15.8	-361,152	0.0	-330,482	0.0	-289,827	0.0	-616,108	0.0	-616,109	0.0
4	15.7	14.7	-434,059	0.0	-402,560	0.0	-374,783	0.0	-624,180	0.0	-624,180	0.0
5	14.7	13.8	-440,338	0.0	-421,041	0.0	-410,845	0.0	-624,646	0.0	-624,646	0.0
6	14.1	13.3	-448,225	0.0	-419,669	0.0	-408,580	0.0	-600,258	0.0	-600,258	0.0
7	13.8	12.9	-539,697	0.0	-424,932	0.0	-419,389	0.0	-615,508	0.0	-588,610	0.0
8	14.4	13.4	-5,087,292	64.7	-4,773,796	61.1	-356,483	0.0	-562,632	0.0	-5,329,230	64.0
9	16.2	14.8	-4,624,150	136.5	-4,538,561	132.6	-264,131	0.0	-458,060	0.0	-4,538,537	132.4
10	18.8	17.0	-533,340	65.2	-423,934	48.1	-231,571	0.0	-424,985	0.0	-423,934	48.1
11	22.1	19.5	-382,796	71.9	-367,446	50.4	-198,705	0.0	-391,958	0.0	-367,446	50.4
12	25.6	22.0	-288,888	78.9	-322,281	50.9	-148,855	0.0	-342,189	0.0	-322,281	50.9
13	28.8	24.9	-254,648	83.1	-299,220	51.7	-183,454	0.0	-305,431	0.0	-299,220	51.7
14	31.5	27.4	-230,241	81.5	-279,552	51.1	-230,462	0.0	-272,115	0.0	-279,552	51.1
15	33.2	29.3	-211,017	75.7	-296,570	51.4	-216,296	0.0	-256,021	0.0	-296,570	51.3
16	33.8	29.7	-236,667	70.2	-258,936	49.5	-187,212	0.0	-221,703	0.0	-258,936	49.5
17	33.6	30.0	-261,283	58.3	-276,847	44.9	-183,285	0.0	-220,080	0.0	-276,847	44.8
18	32.9	29.9	0	39.8	0	38.7	-194,834	0.0	-231,024	0.0	0	38.7
19	31.9	29.3	0	0.0	0	0.0	-200,241	0.0	-233,045	0.0	0	0.0
20	30.5	28.3	0	0.0	0	0.0	-279,708	0.0	-288,081	0.0	0	0.0
21	28.8	26.7	0	0.0	0	0.0	-349,349	0.0	-348,895	0.0	0	0.0
22	26.9	24.8	0	0.0	0	0.0	-375,977	0.0	-375,977	0.0	0	0.0
23	24.9	23.1	-39,298	0.0	-19,403	0.0	-413,728	0.0	-413,722	0.0	-19,403	0.0
24	22.8	21.0	-107,216	0.0	-44,963	0.0	-519,008	0.0	-518,995	0.0	-44,963	0.0

# BUILDING COOL HEAT DEMAND

By Trial

March Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	29.5	27.5	-97,233	0.0	-32,203	0.0	-31,195	0.0	-284,128	0.0	-310,303	0.0
2	28.0	26.1	-180,391	0.0	-58,427	0.0	-44,959	0.0	-302,990	0.0	-336,333	0.0
3	26.8	25.1	-195,433	0.0	-119,832	0.0	-114,216	0.0	-367,362	0.0	-405,113	0.0
4	25.7	24.0	-221,617	0.0	-204,417	0.0	-202,384	0.0	-400,522	0.0	-440,966	0.0
5	24.9	23.4	-275,998	0.0	-222,391	0.0	-209,928	0.0	-454,936	0.0	-455,478	0.0
6	24.5	22.9	-296,294	0.0	-262,899	0.0	-254,192	0.0	-491,882	0.0	-491,863	0.0
7	24.3	22.8	-197,387	0.0	-234,659	0.0	-254,725	0.0	-436,911	0.0	-410,047	0.0
8	24.9	23.4	-4,045,922	56.6	-3,517,608	50.1	-194,938	0.0	-371,502	0.0	-5,099,075	62.0
9	26.8	24.6	-4,138,049	125.1	-4,340,133	127.9	-157,144	0.0	-340,875	0.0	-4,340,107	127.8
10	29.5	26.5	-294,840	68.8	-312,955	48.3	-141,685	0.0	-316,352	0.0	-312,955	48.3
11	32.7	29.1	-183,703	73.7	-232,539	52.2	-103,842	0.0	-255,097	0.0	-232,539	52.2
12	36.0	31.5	-117,576	79.6	-147,750	55.4	-61,458	0.0	-186,238	0.0	-147,750	55.4
13	38.7	34.1	-91,255	82.3	-163,432	55.8	-48,874	0.0	-165,199	0.0	-163,432	55.8
14	40.5	35.9	-70,932	80.4	-156,597	53.2	-41,700	0.0	-143,479	0.0	-156,597	53.1
15	41.2	36.2	-47,998	76.6	-150,343	53.0	-35,914	0.0	-127,011	0.0	-150,343	52.9
16	41.0	36.0	-51,805	75.0	-116,431	51.6	-14,442	0.0	-98,628	0.0	-116,431	51.5
17	40.5	35.9	-82,407	72.7	-109,153	48.0	-17,389	0.0	-108,197	0.0	-109,153	47.8
18	39.8	35.4	0	41.3	0	39.8	-20,875	0.0	-97,980	0.0	0	39.7
19	38.7	35.2	0	0.0	0	0.0	-24,008	0.0	-100,435	0.0	0	0.0
20	37.4	34.1	0	0.0	0	0.0	-85,780	0.0	-165,976	0.0	0	0.0
21	36.0	33.2	0	0.0	0	0.0	-171,507	0.0	-199,238	0.0	0	0.0
22	34.4	31.9	0	0.0	0	0.0	-177,229	0.0	-207,619	0.0	0	0.0
23	32.7	30.5	0	0.0	0	0.0	-221,268	0.0	-256,352	0.0	0	0.0
24	31.1	29.1	-6,252	0.0	-4,575	0.0	-249,294	0.0	-283,818	0.0	-4,575	0.0

April Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	36.9	34.4	-17,974	0.0	0	0.0	0	0.0	-18,419	0.0	-57,353	0.0
2	35.3	33.0	-20,849	0.0	0	0.0	0	0.0	-26,329	0.0	-76,793	0.0
3	34.0	32.0	-35,157	0.0	-14,896	0.0	-14,047	0.0	-69,436	0.0	-122,444	0.0
4	33.0	30.9	-77,556	0.0	-25,659	0.0	-24,940	0.0	-84,747	0.0	-163,631	0.0
5	32.4	30.7	-127,848	0.0	-42,402	0.0	-34,308	0.0	-144,454	0.0	-202,814	0.0
6	32.2	30.4	-92,125	0.0	-42,339	0.0	-49,195	0.0	-132,011	0.0	-187,158	0.0
7	32.8	31.0	-54,281	0.0	-30,757	0.0	-51,901	0.0	-106,251	0.0	-138,629	0.0
8	34.4	31.9	-2,622,599	42.1	-1,811,341	38.1	-59,491	0.0	-90,417	0.0	-4,672,195	58.7
9	36.9	32.9	-3,790,043	116.6	-3,819,843	114.4	-35,571	0.0	-59,607	0.0	-3,896,480	115.8
10	39.9	34.6	-93,118	69.5	-103,066	57.1	-17,150	0.0	-31,836	0.0	-103,066	57.0
11	43.2	36.8	-2,733	73.4	-42,503	64.7	0	0.0	-2,906	0.0	-42,503	64.5
12	46.2	38.9	0	82.8	-17,961	69.0	0	0.0	0	0.0	-17,961	68.9
13	48.7	40.8	0	87.3	-7,377	69.6	0	0.0	0	0.0	-7,377	69.5
14	50.3	42.2	0	88.7	-6,599	66.5	0	0.0	-270	0.0	-6,599	66.4
15	50.9	42.8	0	91.7	-9,812	62.5	0	0.0	-389	0.0	-9,812	62.4
16	50.7	42.9	0	94.7	-20,033	63.3	0	0.0	-418	0.0	-20,033	63.2
17	50.1	42.8	0	93.5	-27,287	66.0	0	0.0	-465	0.0	-27,287	66.0
18	49.1	42.8	0	43.1	0	41.2	0	0.0	-619	0.0	0	41.1
19	47.8	42.8	0	0.0	0	0.0	0	0.0	-710	0.0	0	0.0
20	46.2	42.4	0	0.0	0	0.0	0	0.0	-769	0.0	0	0.0
21	44.4	41.5	0	0.0	0	0.0	0	0.0	-3,301	0.0	0	0.0
22	42.5	39.8	0	0.0	0	0.0	-358	0.0	-5,002	0.0	0	0.0
23	40.6	37.8	0	0.0	0	0.0	-7,055	0.0	-9,673	0.0	0	0.0
24	38.7	36.0	0	0.0	0	0.0	-13,665	0.0	-41,428	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

May Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	47.5	44.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	45.7	42.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	44.5	41.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	43.7	41.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	43.4	41.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	44.1	41.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	46.3	43.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	49.6	44.9	-463,227	30.4	-184,261	30.9	0	0.0	0	0.0	-901,731	24.2
9	53.6	46.1	-2,970,305	111.5	-2,198,568	71.6	0	0.0	0	0.0	-3,363,272	105.0
10	57.9	48.2	0	90.4	0	74.8	0	0.0	0	0.0	0	74.8
11	61.9	50.7	0	103.1	0	86.7	0	0.0	0	0.0	0	86.6
12	65.2	53.3	0	112.8	0	91.1	0	0.0	0	0.0	0	91.0
13	67.3	55.5	0	118.2	0	94.6	0	0.0	0	0.0	0	94.3
14	68.1	55.7	0	122.6	0	95.4	0	0.0	0	0.0	0	95.1
15	67.8	55.6	0	129.6	0	94.1	0	0.0	0	0.0	0	93.5
16	67.0	55.2	0	134.7	0	92.5	0	0.0	0	0.0	0	91.5
17	65.7	54.1	0	134.9	0	92.9	0	0.0	0	0.0	0	91.9
18	64.0	53.5	0	45.2	0	43.5	0	0.0	0	0.0	0	43.0
19	61.9	52.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	59.5	52.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	57.0	51.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	54.4	49.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	51.9	47.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	49.6	45.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

June Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	55.4	52.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	53.7	50.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	52.5	49.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	51.7	49.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	51.5	49.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	52.2	49.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	54.3	50.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	57.4	51.9	0	38.7	-6,180	43.7	0	0.0	0	0.0	0	40.0
9	61.3	53.0	-1,093,811	82.3	-424,397	67.0	0	0.0	0	0.0	-1,037,188	89.0
10	65.4	55.5	0	112.5	0	100.2	0	0.0	0	0.0	0	98.6
11	69.3	57.5	0	123.3	0	111.1	0	0.0	0	0.0	0	109.6
12	72.5	59.7	0	132.9	0	117.3	0	0.0	0	0.0	0	115.9
13	74.6	61.3	0	139.6	0	120.1	0	0.0	0	0.0	0	119.0
14	75.3	61.2	0	146.8	0	123.1	0	0.0	0	0.0	0	122.0
15	75.0	61.9	0	157.0	0	122.9	0	0.0	0	0.0	0	122.0
16	74.3	61.4	0	165.5	0	120.9	0	0.0	0	0.0	0	120.1
17	73.0	61.0	0	168.1	0	119.9	0	0.0	0	0.0	0	119.2
18	71.4	60.2	0	51.4	0	49.3	0	0.0	0	0.0	0	49.1
19	69.3	60.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	67.1	59.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	64.6	59.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	62.1	56.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	59.7	55.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	57.4	53.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

July Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	60.9	59.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	59.6	57.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	58.6	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	58.0	56.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	57.8	56.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	58.4	57.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	60.0	58.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	62.4	59.8	0	57.6	0	63.0	0	0.0	0	0.0	0	51.9
9	65.4	61.3	-98,668	126.2	-19,941	153.5	0	0.0	0	0.0	-22,649	157.1
10	68.6	63.2	0	151.9	0	132.0	0	0.0	0	0.0	0	152.5
11	71.5	64.6	0	159.4	0	139.5	0	0.0	0	0.0	0	147.2
12	74.0	66.1	0	168.0	0	142.5	0	0.0	0	0.0	0	149.1
13	75.6	66.8	0	172.8	0	142.2	0	0.0	0	0.0	0	147.7
14	76.1	67.2	0	177.3	0	142.1	0	0.0	0	0.0	0	146.7
15	75.9	67.6	0	185.2	0	139.8	0	0.0	0	0.0	0	143.5
16	75.3	67.2	0	192.6	0	137.7	0	0.0	0	0.0	0	140.8
17	74.4	67.0	0	194.7	0	137.2	0	0.0	0	0.0	0	139.7
18	73.1	66.4	0	66.4	0	56.3	0	0.0	0	0.0	0	57.3
19	71.5	66.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	69.8	65.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	67.9	64.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	66.0	63.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	64.1	61.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	62.4	60.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

August Hour	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	54.2	52.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	52.9	51.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	51.9	50.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	51.3	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	51.1	49.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	51.9	50.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	54.2	52.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	57.7	55.0	0	49.4	-13,863	46.8	0	0.0	0	0.0	0	42.0
9	61.7	57.3	-726,074	96.7	-763,295	67.0	0	0.0	0	0.0	-1,631,359	101.3
10	65.8	59.3	0	132.1	0	110.6	0	0.0	0	0.0	0	108.1
11	69.3	60.9	0	145.9	0	126.2	0	0.0	0	0.0	0	123.9
12	71.6	62.3	0	156.9	0	133.2	0	0.0	0	0.0	0	131.2
13	72.4	62.8	0	162.2	0	132.9	0	0.0	0	0.0	0	131.3
14	72.2	62.8	0	164.6	0	128.9	0	0.0	0	0.0	0	127.6
15	71.6	62.2	0	168.6	0	123.1	0	0.0	0	0.0	0	122.0
16	70.6	61.2	0	171.8	0	118.6	0	0.0	0	0.0	0	117.6
17	69.3	60.2	0	169.3	0	116.5	0	0.0	0	0.0	0	115.7
18	67.7	59.5	0	55.0	0	51.6	0	0.0	0	0.0	0	51.2
19	65.8	59.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	63.8	59.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	61.7	58.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	59.7	56.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	57.7	55.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	55.8	53.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

September	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)
1	45.7	43.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2	44.5	42.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
3	44.1	42.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4	44.5	42.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5	45.7	44.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6	47.6	46.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7	50.0	48.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8	52.9	50.9	-125,053	33.4	-333,692	36.4	0	0.0	0	0.0	-716,799	32.9
9	56.0	52.1	-2,370,201	101.5	-2,055,364	76.7	0	0.0	0	0.0	-3,282,384	107.8
10	59.1	53.1	0	103.2	-505	84.9	0	0.0	0	0.0	-505	80.7
11	62.0	54.4	0	122.1	0	100.8	0	0.0	0	0.0	0	96.2
12	64.4	55.3	0	137.1	0	110.5	0	0.0	0	0.0	0	106.0
13	66.3	56.0	0	143.8	0	111.3	0	0.0	0	0.0	0	107.3
14	67.5	56.5	0	144.7	0	105.7	0	0.0	0	0.0	0	102.4
15	67.9	56.8	0	144.3	0	102.3	0	0.0	0	0.0	0	99.4
16	67.5	57.2	0	142.3	0	99.9	0	0.0	0	0.0	0	97.3
17	66.3	57.0	0	132.8	0	95.3	0	0.0	0	0.0	0	93.1
18	64.4	56.4	0	48.9	0	47.1	0	0.0	0	0.0	0	46.0
19	62.0	56.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	59.1	54.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	56.0	52.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	52.9	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	50.0	47.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	47.6	45.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
October	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	42.0	38.9	0	0.0	0	0.0	0	0.0	-5,765	0.0	-5,967	0.0
2	40.5	37.8	0	0.0	0	0.0	0	0.0	-19,698	0.0	-28,216	0.0
3	39.1	36.9	0	0.0	0	0.0	0	0.0	-41,736	0.0	-60,108	0.0
4	38.0	36.0	0	0.0	0	0.0	0	0.0	-43,670	0.0	-68,635	0.0
5	37.2	35.6	0	0.0	-6,808	0.0	-6,001	0.0	-50,689	0.0	-71,289	0.0
6	36.7	35.2	-797	0.0	-20,226	0.0	-19,434	0.0	-71,694	0.0	-74,314	0.0
7	36.5	35.0	-5,361	0.0	-16,789	0.0	-17,064	0.0	-70,788	0.0	-69,719	0.0
8	38.0	36.0	-1,223,912	35.8	-1,489,795	41.2	-7,922	0.0	-56,139	0.0	-2,918,886	44.7
9	42.0	38.7	-3,552,551	113.0	-3,150,934	96.5	-14,081	0.0	-37,191	0.0	-3,793,545	113.2
10	47.6	42.3	-36,446	79.3	-74,723	64.3	-2,950	0.0	-15,361	0.0	-74,723	64.2
11	53.1	46.2	0	95.7	-22,227	74.3	0	0.0	0	0.0	-22,227	74.2
12	57.1	48.9	0	110.3	-2,564	80.9	0	0.0	0	0.0	-2,564	80.6
13	58.6	49.5	0	115.4	0	82.6	0	0.0	0	0.0	0	82.1
14	58.4	48.8	0	114.3	0	80.0	0	0.0	0	0.0	0	79.2
15	57.9	48.4	0	110.0	-118	76.7	0	0.0	0	0.0	-118	75.6
16	57.1	47.8	0	101.4	-2,755	72.2	0	0.0	0	0.0	-2,755	70.9
17	56.0	48.0	0	79.2	-12,640	63.0	0	0.0	0	0.0	-12,640	61.6
18	54.6	48.5	0	42.8	0	42.0	0	0.0	0	0.0	0	41.0
19	53.1	48.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20	51.3	47.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
21	49.5	45.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22	47.6	44.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
23	45.6	42.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
24	43.8	40.7	0	0.0	0	0.0	-376	0.0	-400	0.0	0	0.0

# BUILDING COOL HEAT DEMAND

By Trial

November	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
	Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)
1	32.4	30.4	0	0.0	-7,283	0.0	0	0.0	-97,325	0.0	-103,728	0.0
2	30.8	28.8	0	0.0	-28,779	0.0	-16,752	0.0	-138,699	0.0	-159,231	0.0
3	29.3	27.5	-6,245	0.0	-53,558	0.0	-29,070	0.0	-173,233	0.0	-217,652	0.0
4	28.1	26.4	-32,153	0.0	-139,256	0.0	-57,803	0.0	-230,143	0.0	-317,686	0.0
5	27.2	25.6	-69,317	0.0	-177,210	0.0	-145,576	0.0	-253,188	0.0	-349,741	0.0
6	26.7	25.0	-161,433	0.0	-182,143	0.0	-178,051	0.0	-262,023	0.0	-353,079	0.0
7	26.5	25.0	-170,603	0.0	-199,008	0.0	-175,826	0.0	-262,437	0.0	-319,714	0.0
8	27.6	25.8	-2,826,516	45.1	-2,661,184	42.2	-166,685	0.0	-217,225	0.0	-5,041,278	61.8
9	30.5	28.0	-4,218,696	126.4	-4,135,781	122.6	-130,625	0.0	-150,095	0.0	-4,135,749	122.0
10	34.8	31.4	-247,198	68.4	-190,456	53.5	-103,274	0.0	-111,171	0.0	-190,456	53.4
11	39.6	35.1	-131,197	81.0	-107,108	61.0	-55,880	0.0	-62,217	0.0	-107,108	60.8
12	43.9	38.6	-57,021	89.7	-75,343	68.8	-32,343	0.0	-37,284	0.0	-75,343	68.7
13	46.9	40.8	-27,650	91.8	-64,433	68.6	-17,396	0.0	-20,369	0.0	-64,433	68.5
14	47.9	41.4	-19,281	89.0	-60,517	65.9	-11,471	0.0	-13,609	0.0	-60,517	65.8
15	47.7	40.7	-19,065	81.3	-61,992	64.3	-11,906	0.0	-13,935	0.0	-61,992	64.2
16	47.2	40.1	-37,306	65.1	-86,122	57.2	-16,809	0.0	-19,435	0.0	-86,122	57.2
17	46.3	40.1	-76,546	48.3	-99,372	53.1	-24,290	0.0	-27,425	0.0	-99,372	53.1
18	45.1	40.2	0	40.4	0	40.1	-33,303	0.0	-37,126	0.0	0	40.1
19	43.7	39.7	0	0.0	0	0.0	-40,520	0.0	-45,014	0.0	0	0.0
20	42.0	38.4	0	0.0	0	0.0	-47,338	0.0	-51,973	0.0	0	0.0
21	40.1	37.2	0	0.0	0	0.0	-57,024	0.0	-62,536	0.0	0	0.0
22	38.2	35.7	0	0.0	0	0.0	-67,205	0.0	-73,764	0.0	0	0.0
23	36.2	33.6	0	0.0	0	0.0	-74,489	0.0	-81,049	0.0	0	0.0
24	34.3	32.1	0	0.0	0	0.0	-83,862	0.0	-91,047	0.0	0	0.0
December	Typical Weather (°F)		Design		Weekday		Saturday		Sunday		Monday	
Hour	OADB	OAWB	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)	Htg (Btuh)	Clg (Tons)
1	23.2	22.3	-4,898	0.0	-190,427	0.0	-74,087	0.0	-315,744	0.0	-418,127	0.0
2	22.0	21.1	-37,508	0.0	-218,545	0.0	-186,740	0.0	-328,580	0.0	-423,194	0.0
3	20.9	20.0	-129,697	0.0	-238,121	0.0	-222,569	0.0	-407,639	0.0	-446,963	0.0
4	20.0	19.3	-254,683	0.0	-319,901	0.0	-252,242	0.0	-455,963	0.0	-482,203	0.0
5	19.4	18.7	-264,654	0.0	-333,767	0.0	-306,367	0.0	-454,086	0.0	-453,296	0.0
6	19.0	18.3	-344,676	0.0	-333,770	0.0	-326,088	0.0	-444,690	0.0	-444,687	0.0
7	18.8	18.2	-353,941	0.0	-339,477	0.0	-337,669	0.0	-480,698	0.0	-453,784	0.0
8	19.4	18.8	-4,112,557	59.2	-3,909,200	54.2	-340,797	0.0	-497,002	0.0	-5,247,285	63.3
9	20.9	20.3	-4,775,030	141.4	-4,394,916	128.7	-242,411	0.0	-367,039	0.0	-4,394,888	128.6
10	23.2	22.1	-506,327	58.5	-284,299	47.9	-181,497	0.0	-310,067	0.0	-284,299	47.8
11	25.9	24.2	-364,943	69.7	-213,577	52.0	-135,649	0.0	-266,980	0.0	-213,577	51.8
12	28.6	26.9	-306,111	78.9	-176,452	53.8	-111,067	0.0	-243,728	0.0	-176,452	53.6
13	30.8	28.9	-287,121	81.8	-161,206	55.4	-97,965	0.0	-216,593	0.0	-161,206	55.1
14	32.4	30.1	-274,293	78.0	-154,111	53.5	-90,668	0.0	-201,847	0.0	-154,111	53.3
15	32.9	30.8	-265,835	68.7	-176,775	52.6	-89,422	0.0	-192,871	0.0	-176,775	52.4
16	32.8	30.6	-323,058	54.2	-213,100	45.1	-96,375	0.0	-202,966	0.0	-213,100	44.9
17	32.4	30.5	-402,686	42.5	-269,580	44.1	-102,056	0.0	-198,069	0.0	-269,580	43.9
18	31.7	30.0	0	38.9	0	38.8	-108,546	0.0	-205,522	0.0	0	38.7
19	30.8	29.5	0	0.0	0	0.0	-114,109	0.0	-214,041	0.0	0	0.0
20	29.8	28.6	0	0.0	0	0.0	-168,334	0.0	-276,438	0.0	0	0.0
21	28.6	27.4	0	0.0	0	0.0	-187,846	0.0	-291,901	0.0	0	0.0
22	27.2	26.3	0	0.0	0	0.0	-224,198	0.0	-335,365	0.0	0	0.0
23	25.9	24.7	-30,064	0.0	-8,939	0.0	-270,464	0.0	-375,785	0.0	-8,939	0.0
24	24.5	23.5	-76,049	0.0	-35,907	0.0	-304,556	0.0	-424,731	0.0	-35,907	0.0

# PEAK HEATING LOADS

## MAIN SYSTEM

By Trial

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
<b>Alternative 1</b>											
		4- 4W-P-NW-OO	Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
	Zone - 001		Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
	Zone - 001		Block	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
		4- 4W-P-NW-MS	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 002		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 002		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		4- 4W-P-SW-OO	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
	Zone - 003		Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
	Zone - 003		Block	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
		4- 4W-P-SW-L	Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,263
	Zone - 004		Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,263
	Zone - 004		Block	280	71.0	95.0	560	-14,943	95.0	560	-25,263
		4- 4W-P-SW-MS	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 005		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 005		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		4- 4W-P-S-OO	Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
	Zone - 006		Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
	Zone - 006		Block	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
		4- 4W-P-S-L	Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,015
	Zone - 007		Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,015
	Zone - 007		Block	133	71.0	95.0	266	-7,107	95.0	266	-12,015
		1W-P-SW-M	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 008		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 008		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		1W-P-SW-OO	Peak	560	71.0	95.0	1,119	-29,886	95.0	1,119	-50,527
	Zone - 009		Peak	560	71.0	95.0	1,119	-29,886	95.0	1,119	-50,527
	Zone - 009		Block	560	71.0	95.0	1,119	-29,886	95.0	1,119	-50,527
		1W-P-SW-S	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 010		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 010		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		1W-P-SW-L	Peak	466	71.0	95.0	933	-24,905	95.0	933	-42,106
	Zone - 011		Peak	466	71.0	95.0	933	-24,905	95.0	933	-42,106
	Zone - 011		Block	466	71.0	95.0	933	-24,905	95.0	933	-42,106

Peak Time	OA Condition	
	DB	WB
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		1E-I-M	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 012		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 012		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
		1W-P-SW-R	Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,263
	Zone - 014		Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,263
	Zone - 014		Block	280	71.0	95.0	560	-14,943	95.0	560	-25,263
		1W-P-S-CN	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 015		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 015		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		1W-P-S-S	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 016		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 016		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		1W-P-S-M	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 017		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 017		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		1W-P-S-OO	Peak	266	71.0	95.0	532	-14,214	95.0	532	-24,031
	Zone - 018		Peak	266	71.0	95.0	532	-14,214	95.0	532	-24,031
	Zone - 018		Block	266	71.0	95.0	532	-14,214	95.0	532	-24,031
		1W-P-S-L	Peak	222	71.0	95.0	444	-11,845	95.0	444	-20,026
	Zone - 019		Peak	222	71.0	95.0	444	-11,845	95.0	444	-20,026
	Zone - 019		Block	222	71.0	95.0	444	-11,845	95.0	444	-20,026
		1W-P-S-R	Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,015
	Zone - 020		Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,015
	Zone - 020		Block	133	71.0	95.0	266	-7,107	95.0	266	-12,015
		1E-P-SE-CN	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 021		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 021		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		1E-P-SE-S	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 022		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 022		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		1E-P-SE-M	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 023		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 023		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		1E-P-SE-OO	Peak	911	71.0	95.0	1,822	-48,668	95.0	1,822	-82,279
	Zone - 024		Peak	911	71.0	95.0	1,822	-48,668	95.0	1,822	-82,279
	Zone - 024		Block	911	71.0	95.0	1,822	-48,668	95.0	1,822	-82,279
		1E-P-SE-R	Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,139
	Zone - 025		Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,139
	Zone - 025		Block	456	71.0	95.0	911	-24,334	95.0	911	-41,139
		1E-P-SE-L	Peak	759	71.0	95.0	1,519	-40,556	95.0	1,519	-68,566
	Zone - 026		Peak	759	71.0	95.0	1,519	-40,556	95.0	1,519	-68,566
	Zone - 026		Block	759	71.0	95.0	1,519	-40,556	95.0	1,519	-68,566



Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		1E-P-NE-CN	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 027		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 027		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		1E-P-NE-S	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 028		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 028		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		1E-P-NE-OO	Peak	345	71.0	95.0	689	-18,413	95.0	689	-31,129
	Zone - 029		Peak	345	71.0	95.0	689	-18,413	95.0	689	-31,129
	Zone - 029		Block	345	71.0	95.0	689	-18,413	95.0	689	-31,129
		1E-P-NE-L	Peak	287	71.0	95.0	575	-15,344	95.0	575	-25,941
	Zone - 030		Peak	287	71.0	95.0	575	-15,344	95.0	575	-25,941
	Zone - 030		Block	287	71.0	95.0	575	-15,344	95.0	575	-25,941
		1E-P-NE-M	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 031		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 031		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		1E-P-NW-CN	Peak	397	71.0	95.0	793	-21,185	95.0	793	-35,816
	Zone - 032		Peak	397	71.0	95.0	793	-21,185	95.0	793	-35,816
	Zone - 032		Block	397	71.0	95.0	793	-21,185	95.0	793	-35,816
		1E-P-NE-R	Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,564
	Zone - 033		Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,564
	Zone - 033		Block	172	71.0	95.0	345	-9,206	95.0	345	-15,564
		1E-P-NW-S	Peak	397	71.0	95.0	793	-21,185	95.0	793	-35,816
	Zone - 034		Peak	397	71.0	95.0	793	-21,185	95.0	793	-35,816
	Zone - 034		Block	397	71.0	95.0	793	-21,185	95.0	793	-35,816
		4- 4W-P-N-MS	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 035		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 035		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		4- 4W-P-NW-L	Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,148
	Zone - 036		Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,148
	Zone - 036		Block	123	71.0	95.0	247	-6,594	95.0	247	-11,148
		4- 4W-P-N-L	Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,690
	Zone - 037		Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,690
	Zone - 037		Block	129	71.0	95.0	259	-6,915	95.0	259	-11,690
		1W-I-R	Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-69,667
	Zone - 038		Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-69,667
	Zone - 038		Block	771	71.0	95.0	1,543	-41,208	95.0	1,543	-69,667
		1W-I-L	Peak	1,286	71.0	95.0	2,572	-68,680	95.0	2,572	-116,112
	Zone - 039		Peak	1,286	71.0	95.0	2,572	-68,680	95.0	2,572	-116,112
	Zone - 039		Block	1,286	71.0	95.0	2,572	-68,680	95.0	2,572	-116,112
		IE-I-CN	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 040		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 040		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		1E-I-OO	Peak	3,853	71.0	95.0	7,706	-205,824	95.0	7,706	-347,971
	Zone - 041		Peak	3,853	71.0	95.0	7,706	-205,824	95.0	7,706	-347,971
	Zone - 041		Block	3,853	71.0	95.0	7,706	-205,824	95.0	7,706	-347,971
		1E-I-S	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 042		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 042		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
		1E-I-R	Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-173,986
	Zone - 043		Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-173,986
	Zone - 043		Block	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-173,986
		1E-I-L	Peak	3,211	71.0	95.0	6,422	-171,520	95.0	6,422	-289,976
	Zone - 044		Peak	3,211	71.0	95.0	6,422	-171,520	95.0	6,422	-289,976
	Zone - 044		Block	3,211	71.0	95.0	6,422	-171,520	95.0	6,422	-289,976
		4- 4W-P-S-MS	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 045		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 045		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		4- 4E-P-SE-OO	Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
	Zone - 046		Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
	Zone - 046		Block	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
		1W-P-SW-CN	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 047		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 047		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		1W-P-NW-R	Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,148
	Zone - 048		Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,148
	Zone - 048		Block	123	71.0	95.0	247	-6,594	95.0	247	-11,148
		1W-P-NW-L	Peak	206	71.0	95.0	412	-10,990	95.0	412	-18,581
	Zone - 049		Peak	206	71.0	95.0	412	-10,990	95.0	412	-18,581
	Zone - 049		Block	206	71.0	95.0	412	-10,990	95.0	412	-18,581
		4- 4E-P-SE-L	Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,139
	Zone - 050		Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,139
	Zone - 050		Block	456	71.0	95.0	911	-24,334	95.0	911	-41,139
		4- 4E-P-SE-MS	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 051		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 051		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		3- 3W-P-N-CR	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 052		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 052		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		3- 3W-P-N-PO	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 053		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 053		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		4- 4E-I-MS	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 054		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 054		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		4- 4E-I-L	Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-173,986
	Zone - 055		Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-173,986
	Zone - 055		Block	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-173,986
		4- 4E-I-OO	Peak	9,633	71.0	95.0	19,266	-514,559	95.0	19,266	-869,929
	Zone - 056		Peak	9,633	71.0	95.0	19,266	-514,559	95.0	19,266	-869,929
	Zone - 056		Block	9,633	71.0	95.0	19,266	-514,559	95.0	19,266	-869,929
		4- 4W-I-L	Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-69,667
	Zone - 057		Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-69,667
	Zone - 057		Block	771	71.0	95.0	1,543	-41,208	95.0	1,543	-69,667
		4- 4W-I-MS	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 058		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 058		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
		4- 4W-I-OO	Peak	3,857	71.0	95.0	7,715	-206,040	95.0	7,715	-348,337
	Zone - 059		Peak	3,857	71.0	95.0	7,715	-206,040	95.0	7,715	-348,337
	Zone - 059		Block	3,857	71.0	95.0	7,715	-206,040	95.0	7,715	-348,337
		4- 4E-P-NW-L	Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-53,683
	Zone - 060		Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-53,683
	Zone - 060		Block	594	71.0	95.0	1,189	-31,753	95.0	1,189	-53,683
		4- 4E-P-NW-MS	Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 061		Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 061		Block	396	71.0	95.0	793	-21,169	95.0	793	-35,789
		4- 4E-P-W-OO	Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
	Zone - 062		Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
	Zone - 062		Block	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
		4- 4E-P-NE-MS	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 063		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 063		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		4- 4E-P-NE-L	Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,564
	Zone - 064		Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,564
	Zone - 064		Block	172	71.0	95.0	345	-9,206	95.0	345	-15,564
		4- 4E-P-NE-00	Peak	862	71.0	95.0	1,724	-46,032	95.0	1,724	-77,822
	Zone - 065		Peak	862	71.0	95.0	1,724	-46,032	95.0	1,724	-77,822
	Zone - 065		Block	862	71.0	95.0	1,724	-46,032	95.0	1,724	-77,822
		3- 3W-P-N-CN	Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,897
	Zone - 066		Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,897
	Zone - 066		Block	43	71.0	95.0	86	-2,305	95.0	86	-3,897
		3- 3W-P-N-OO	Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,451
	Zone - 067		Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,451
	Zone - 067		Block	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,451
		3- 3W-P-NW-CN	Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,716
	Zone - 068		Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,716
	Zone - 068		Block	41	71.0	95.0	82	-2,198	95.0	82	-3,716

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		3- 3W-P-NW-CR	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 069		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 069		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		3- 3W-P-SW-PO	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 070		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 070		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		3- 3W-P-NW-PO	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 071		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 071		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		3- 3W-P-NW-OO	Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
	Zone - 072		Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
	Zone - 072		Block	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
		3- 3W-P-SW-CN	Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,421
	Zone - 073		Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,421
	Zone - 073		Block	93	71.0	95.0	187	-4,981	95.0	187	-8,421
		2- 2W-P-S-OO	Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
	Zone - 074		Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
	Zone - 074		Block	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
		2- 2W-P-S-CN	Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,005
	Zone - 075		Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,005
	Zone - 075		Block	44	71.0	95.0	89	-2,369	95.0	89	-4,005
		2- 2E-P-SE-CN	Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,713
	Zone - 076		Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,713
	Zone - 076		Block	152	71.0	95.0	304	-8,111	95.0	304	-13,713
		2- 2E-P-SE-PO	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 077		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 077		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		2- 2W-P-S-CR	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 078		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 078		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		2- 2E-P-SE-CR	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 079		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 079		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		2- 2E-P-NE-PO	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 080		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 080		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		2- 2E-P-SE-OO	Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
	Zone - 081		Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
	Zone - 081		Block	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
		2- 2E-P-NE-OO	Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-77,822
	Zone - 082		Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-77,822
	Zone - 082		Block	862	71.0	95.0	1,724	-46,031	95.0	1,724	-77,822

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		2- 2E-P-NE-CR	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 083		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 083		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		2- 2E-P-NW-PO	Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 084		Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 084		Block	396	71.0	95.0	793	-21,169	95.0	793	-35,789
		2- 2E-P-NW-CR	Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 085		Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 085		Block	396	71.0	95.0	793	-21,169	95.0	793	-35,789
		2- 2E-P-NE-CN	Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,188
	Zone - 086		Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,188
	Zone - 086		Block	57	71.0	95.0	115	-3,069	95.0	115	-5,188
		2- 2E-P-NW-CN	Peak	198	71.0	95.0	396	-10,584	95.0	396	-17,894
	Zone - 087		Peak	198	71.0	95.0	396	-10,584	95.0	396	-17,894
	Zone - 087		Block	198	71.0	95.0	396	-10,584	95.0	396	-17,894
		2- 2E-P-NW-OO	Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
	Zone - 088		Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
	Zone - 088		Block	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
		2- 2W-I-SM	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 089		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 089		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
		2- 2W-I-CN	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 090		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 090		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
		2- 2W-I-CR	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 091		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 091		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
		2- 2E-I-SM	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 092		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 092		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
		1W-P-NW-M	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 093		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 093		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		2- 2E-I-CR	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 094		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 094		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
		2- 2W-I-OO	Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-232,225
	Zone - 095		Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-232,225
	Zone - 095		Block	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-232,225
		2- 2E-I-OO	Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-579,952
	Zone - 096		Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-579,952
	Zone - 096		Block	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-579,952

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		1W-P-N-CN	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 097		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 097		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		1W-P-N-S	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 098		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 098		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		1W-P-N-OO	Peak	259	71.0	95.0	518	-13,829	95.0	518	-23,380
	Zone - 099		Peak	259	71.0	95.0	518	-13,829	95.0	518	-23,380
	Zone - 099		Block	259	71.0	95.0	518	-13,829	95.0	518	-23,380
		1W-P-N-M	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 100		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 100		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		1W-P-N-L	Peak	2,158	71.0	95.0	4,315	-115,246	95.0	4,315	-194,838
	Zone - 101		Peak	2,158	71.0	95.0	4,315	-115,246	95.0	4,315	-194,838
	Zone - 101		Block	2,158	71.0	95.0	4,315	-115,246	95.0	4,315	-194,838
		1W-P-N-R	Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,690
	Zone - 102		Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,690
	Zone - 102		Block	129	71.0	95.0	259	-6,915	95.0	259	-11,690
		1W-P-NW-CN	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 103		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 103		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		1W-P-NW-S	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 104		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 104		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		1W-P-NW-OO	Peak	247	71.0	95.0	494	-13,189	95.0	494	-22,297
	Zone - 105		Peak	247	71.0	95.0	494	-13,189	95.0	494	-22,297
	Zone - 105		Block	247	71.0	95.0	494	-13,189	95.0	494	-22,297
		2- 2E-I-CN	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 106		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 106		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
		2- 2W-P-SW-CN	Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,421
	Zone - 107		Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,421
	Zone - 107		Block	93	71.0	95.0	187	-4,981	95.0	187	-8,421
		2- 2W-P-NW-OO	Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
	Zone - 108		Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
	Zone - 108		Block	617	71.0	95.0	1,235	-32,971	95.0	1,235	-55,742
		2- 2W-P-SW-PO	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 109		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 109		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		2- 2W-P-NW-CR	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 110		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 110		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		2- 2W-P-NW-PO	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 111		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,432
	Zone - 111		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,432
		2- 2W-P-NW-CN	Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,716
	Zone - 112		Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,716
	Zone - 112		Block	41	71.0	95.0	82	-2,198	95.0	82	-3,716
		1W-I-M	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 113		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 113		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
		1W-I-OO	Peak	1,543	71.0	95.0	3,086	-82,416	95.0	3,086	-139,335
	Zone - 114		Peak	1,543	71.0	95.0	3,086	-82,416	95.0	3,086	-139,335
	Zone - 114		Block	1,543	71.0	95.0	3,086	-82,416	95.0	3,086	-139,335
		1W-I-S	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 115		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 115		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
		1W-I-CN	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 116		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 116		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
		1E-P-NW-R	Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-53,683
	Zone - 117		Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-53,683
	Zone - 117		Block	594	71.0	95.0	1,189	-31,753	95.0	1,189	-53,683
		1E-P-NW-L	Peak	991	71.0	95.0	1,982	-52,922	95.0	1,982	-89,472
	Zone - 118		Peak	991	71.0	95.0	1,982	-52,922	95.0	1,982	-89,472
	Zone - 118		Block	991	71.0	95.0	1,982	-52,922	95.0	1,982	-89,472
		1E-P-NW-M	Peak	397	71.0	95.0	793	-21,185	95.0	793	-35,816
	Zone - 119		Peak	397	71.0	95.0	793	-21,185	95.0	793	-35,816
	Zone - 119		Block	397	71.0	95.0	793	-21,185	95.0	793	-35,816
		1E-P-NW-OO	Peak	1,189	71.0	95.0	2,378	-63,507	95.0	2,378	-107,366
	Zone - 120		Peak	1,189	71.0	95.0	2,378	-63,507	95.0	2,378	-107,366
	Zone - 120		Block	1,189	71.0	95.0	2,378	-63,507	95.0	2,378	-107,366
		2- 2W-P-S-PO	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 121		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 121		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		2- 2W-P-SW-CR	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 122		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 122		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842
		2- 2W-P-SW-OO	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
	Zone - 123		Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
	Zone - 123		Block	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
		2- 2W-P-N-OO	Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,451
	Zone - 124		Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,451
	Zone - 124		Block	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,451

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		2- 2W-P-N-CN	Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,897
	Zone - 125		Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,897
	Zone - 125		Block	43	71.0	95.0	86	-2,305	95.0	86	-3,897
		2- 2W-P-N-CR	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 126		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 126		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		2- 2W-P-N-PO	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 127		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,793
	Zone - 127		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,793
		3- 3E-I-OO	Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-579,952
	Zone - 128		Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-579,952
	Zone - 128		Block	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-579,952
		3- 3E-I-CR	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 129		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
	Zone - 129		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-115,990
		3- 3E-I-CN	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 130		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 130		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
		3- 3E-I-SM	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 131		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
	Zone - 131		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-231,981
		3- 3W-I-OO	Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-232,225
	Zone - 132		Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-232,225
	Zone - 132		Block	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-232,225
		3- 3W-I-CR	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 133		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
	Zone - 133		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,445
		3- 3W-I-CN	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 134		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 134		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
		3- 3W-I-SM	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 135		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
	Zone - 135		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-92,890
		3- 3E-P-NW-OO	Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
	Zone - 136		Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
	Zone - 136		Block	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-268,415
		3- 3E-P-NW-CN	Peak	198	71.0	95.0	396	-10,584	95.0	396	-17,894
	Zone - 137		Peak	198	71.0	95.0	396	-10,584	95.0	396	-17,894
	Zone - 137		Block	198	71.0	95.0	396	-10,584	95.0	396	-17,894
		3- 3E-P-NW-CR	Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 138		Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 138		Block	396	71.0	95.0	793	-21,169	95.0	793	-35,789



OA Condition		
	DB	WB
Peak Time	°F	°F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		3- 3E-P-NW-PO	Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 139		Peak	396	71.0	95.0	793	-21,169	95.0	793	-35,789
	Zone - 139		Block	396	71.0	95.0	793	-21,169	95.0	793	-35,789
		3- 3E-P-NE-CR	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 140		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 140		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		3- 3E-P-NE-OO	Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-77,822
	Zone - 141		Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-77,822
	Zone - 141		Block	862	71.0	95.0	1,724	-46,031	95.0	1,724	-77,822
		3- 3E-P-NE-CN	Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,188
	Zone - 142		Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,188
	Zone - 142		Block	57	71.0	95.0	115	-3,069	95.0	115	-5,188
		3- 3E-P-SE-OO	Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
	Zone - 143		Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
	Zone - 143		Block	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-205,697
		3- 3E-P-NE-PO	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 144		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,376
	Zone - 144		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,376
		3- 3E-P-SE-CR	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 145		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 145		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		3- 3E-P-SE-PO	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 146		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,426
	Zone - 146		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,426
		3- 3E-P-SE-CN	Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,713
	Zone - 147		Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,713
	Zone - 147		Block	152	71.0	95.0	304	-8,111	95.0	304	-13,713
		3- 3W-P-S-CR	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 148		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 148		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		3- 3W-P-S-OO	Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
	Zone - 149		Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
	Zone - 149		Block	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,077
		3- 3W-P-S-CN	Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,005
	Zone - 150		Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,005
	Zone - 150		Block	44	71.0	95.0	89	-2,369	95.0	89	-4,005
		3- 3W-P-S-PO	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 151		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,010
	Zone - 151		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,010
		3- 3W-P-SW-CR	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 152		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,842
	Zone - 152		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,842

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
		3- 3W-P-SW-OO	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
		Zone - 153	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
		Zone - 153	Block	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-126,317
		AHUs vav w/ rh	Peak	123,591	71.0	95.0	247,183	-6,601,796	95.0	247,183	-11,161,182
		AHUs vav w/ rh	Block	123,591	71.0	95.0	247,183	-6,601,796	95.0	247,183	-11,161,205

Peak Time	OA Condition	
	DB	WB
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
<b>Alternative 2</b>											
		4- 4W-P-NW-OO	Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
	Zone - 001		Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
	Zone - 001		Block	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
		4- 4W-P-NW-MS	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 002		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 002		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		4- 4W-P-SW-OO	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
	Zone - 003		Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
	Zone - 003		Block	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
		4- 4W-P-SW-L	Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,420
	Zone - 004		Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,420
	Zone - 004		Block	280	71.0	95.0	560	-14,943	95.0	560	-25,420
		4- 4W-P-SW-MS	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 005		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 005		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		4- 4W-P-S-OO	Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
	Zone - 006		Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
	Zone - 006		Block	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
		4- 4W-P-S-L	Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,090
	Zone - 007		Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,090
	Zone - 007		Block	133	71.0	95.0	266	-7,107	95.0	266	-12,090
		1W-P-SW-M	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 008		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 008		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		1W-P-SW-OO	Peak	560	71.0	95.0	1,119	-29,886	95.0	1,119	-50,840
	Zone - 009		Peak	560	71.0	95.0	1,119	-29,886	95.0	1,119	-50,840
	Zone - 009		Block	560	71.0	95.0	1,119	-29,886	95.0	1,119	-50,840
		1W-P-SW-S	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 010		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 010		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		1W-P-SW-L	Peak	466	71.0	95.0	933	-24,905	95.0	933	-42,367
	Zone - 011		Peak	466	71.0	95.0	933	-24,905	95.0	933	-42,367
	Zone - 011		Block	466	71.0	95.0	933	-24,905	95.0	933	-42,367
		1E-I-M	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 012		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 012		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		1W-P-SW-R	Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,420
	Zone - 014		Peak	280	71.0	95.0	560	-14,943	95.0	560	-25,420
	Zone - 014		Block	280	71.0	95.0	560	-14,943	95.0	560	-25,420
		1W-P-S-CN	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 015		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 015		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		1W-P-S-S	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 016		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 016		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		1W-P-S-M	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 017		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 017		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		1W-P-S-OO	Peak	266	71.0	95.0	532	-14,214	95.0	532	-24,180
	Zone - 018		Peak	266	71.0	95.0	532	-14,214	95.0	532	-24,180
	Zone - 018		Block	266	71.0	95.0	532	-14,214	95.0	532	-24,180
		1W-P-S-L	Peak	222	71.0	95.0	444	-11,845	95.0	444	-20,150
	Zone - 019		Peak	222	71.0	95.0	444	-11,845	95.0	444	-20,150
	Zone - 019		Block	222	71.0	95.0	444	-11,845	95.0	444	-20,150
		1W-P-S-R	Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,090
	Zone - 020		Peak	133	71.0	95.0	266	-7,107	95.0	266	-12,090
	Zone - 020		Block	133	71.0	95.0	266	-7,107	95.0	266	-12,090
		1E-P-SE-CN	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 021		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 021		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		1E-P-SE-S	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 022		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 022		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		1E-P-SE-M	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 023		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 023		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		1E-P-SE-OO	Peak	911	71.0	95.0	1,822	-48,668	95.0	1,822	-82,789
	Zone - 024		Peak	911	71.0	95.0	1,822	-48,668	95.0	1,822	-82,789
	Zone - 024		Block	911	71.0	95.0	1,822	-48,668	95.0	1,822	-82,789
		1E-P-SE-R	Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,395
	Zone - 025		Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,395
	Zone - 025		Block	456	71.0	95.0	911	-24,334	95.0	911	-41,395
		1E-P-SE-L	Peak	759	71.0	95.0	1,519	-40,556	95.0	1,519	-68,991
	Zone - 026		Peak	759	71.0	95.0	1,519	-40,556	95.0	1,519	-68,991
	Zone - 026		Block	759	71.0	95.0	1,519	-40,556	95.0	1,519	-68,991
		1E-P-NE-CN	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 027		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 027		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		1E-P-NE-S	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 028		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 028		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		1E-P-NE-OO	Peak	345	71.0	95.0	689	-18,413	95.0	689	-31,322
	Zone - 029		Peak	345	71.0	95.0	689	-18,413	95.0	689	-31,322

Peak Time	OA Condition	
	DB	WB
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 029		Block	345	71.0	95.0	689	-18,413	95.0	689	-31,322
		1E-P-NE-L	Peak	287	71.0	95.0	575	-15,344	95.0	575	-26,102
	Zone - 030		Peak	287	71.0	95.0	575	-15,344	95.0	575	-26,102
	Zone - 030		Block	287	71.0	95.0	575	-15,344	95.0	575	-26,102
		1E-P-NE-M	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 031		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 031		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		1E-P-NW-CN	Peak	397	71.0	95.0	793	-21,185	95.0	793	-36,038
	Zone - 032		Peak	397	71.0	95.0	793	-21,185	95.0	793	-36,038
	Zone - 032		Block	397	71.0	95.0	793	-21,185	95.0	793	-36,038
		1E-P-NE-R	Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,661
	Zone - 033		Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,661
	Zone - 033		Block	172	71.0	95.0	345	-9,206	95.0	345	-15,661
		1E-P-NW-S	Peak	397	71.0	95.0	793	-21,185	95.0	793	-36,038
	Zone - 034		Peak	397	71.0	95.0	793	-21,185	95.0	793	-36,038
	Zone - 034		Block	397	71.0	95.0	793	-21,185	95.0	793	-36,038
		4- 4W-P-N-MS	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 035		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 035		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		4- 4W-P-NW-L	Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,218
	Zone - 036		Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,218
	Zone - 036		Block	123	71.0	95.0	247	-6,594	95.0	247	-11,218
		4- 4W-P-N-L	Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,763
	Zone - 037		Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,763
	Zone - 037		Block	129	71.0	95.0	259	-6,915	95.0	259	-11,763
		1W-I-R	Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-70,099
	Zone - 038		Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-70,099
	Zone - 038		Block	771	71.0	95.0	1,543	-41,208	95.0	1,543	-70,099
		1W-I-L	Peak	1,286	71.0	95.0	2,572	-68,680	95.0	2,572	-116,832
	Zone - 039		Peak	1,286	71.0	95.0	2,572	-68,680	95.0	2,572	-116,832
	Zone - 039		Block	1,286	71.0	95.0	2,572	-68,680	95.0	2,572	-116,832
		1E-I-CN	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 040		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 040		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		1E-I-OO	Peak	3,853	71.0	95.0	7,706	-205,824	95.0	7,706	-350,129
	Zone - 041		Peak	3,853	71.0	95.0	7,706	-205,824	95.0	7,706	-350,129
	Zone - 041		Block	3,853	71.0	95.0	7,706	-205,824	95.0	7,706	-350,129
		1E-I-S	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 042		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 042		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		1E-I-R	Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-175,065
	Zone - 043		Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-175,065

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE				COIL		
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 043		Block	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-175,065
		1E-I-L	Peak	3,211	71.0	95.0	6,422	-171,520	95.0	6,422	-291,774
	Zone - 044		Peak	3,211	71.0	95.0	6,422	-171,520	95.0	6,422	-291,774
		Zone - 044	Block	3,211	71.0	95.0	6,422	-171,520	95.0	6,422	-291,774
		4- 4W-P-S-MS	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 045		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		Zone - 045	Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		4- 4E-P-SE-OO	Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
	Zone - 046		Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
		Zone - 046	Block	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
		1W-P-SW-CN	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 047		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		Zone - 047	Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		1W-P-NW-R	Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,218
	Zone - 048		Peak	123	71.0	95.0	247	-6,594	95.0	247	-11,218
		Zone - 048	Block	123	71.0	95.0	247	-6,594	95.0	247	-11,218
		1W-P-NW-L	Peak	206	71.0	95.0	412	-10,990	95.0	412	-18,696
	Zone - 049		Peak	206	71.0	95.0	412	-10,990	95.0	412	-18,696
		Zone - 049	Block	206	71.0	95.0	412	-10,990	95.0	412	-18,696
		4- 4E-P-SE-L	Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,395
	Zone - 050		Peak	456	71.0	95.0	911	-24,334	95.0	911	-41,395
		Zone - 050	Block	456	71.0	95.0	911	-24,334	95.0	911	-41,395
		4- 4E-P-SE-MS	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 051		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		Zone - 051	Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		3- 3W-P-N-CR	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 052		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		Zone - 052	Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		3- 3W-P-N-PO	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 053		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		Zone - 053	Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		4- 4E-I-MS	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 054		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		Zone - 054	Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		4- 4E-I-L	Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-175,065
	Zone - 055		Peak	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-175,065
		Zone - 055	Block	1,927	71.0	95.0	3,853	-102,912	95.0	3,853	-175,065
		4- 4E-I-OO	Peak	9,633	71.0	95.0	19,266	-514,559	95.0	19,266	-875,323
	Zone - 056		Peak	9,633	71.0	95.0	19,266	-514,559	95.0	19,266	-875,323
		Zone - 056	Block	9,633	71.0	95.0	19,266	-514,559	95.0	19,266	-875,323
		4- 4W-I-L	Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-70,099
	Zone - 057		Peak	771	71.0	95.0	1,543	-41,208	95.0	1,543	-70,099

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 057		Block	771	71.0	95.0	1,543	-41,208	95.0	1,543	-70,099
		4- 4W-I-MS	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 058		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 058		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
		4- 4W-I-OO	Peak	3,857	71.0	95.0	7,715	-206,040	95.0	7,715	-350,497
	Zone - 059		Peak	3,857	71.0	95.0	7,715	-206,040	95.0	7,715	-350,497
	Zone - 059		Block	3,857	71.0	95.0	7,715	-206,040	95.0	7,715	-350,497
		4- 4E-P-NW-L	Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-54,016
	Zone - 060		Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-54,016
	Zone - 060		Block	594	71.0	95.0	1,189	-31,753	95.0	1,189	-54,016
		4- 4E-P-NW-MS	Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 061		Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 061		Block	396	71.0	95.0	793	-21,169	95.0	793	-36,011
		4- 4E-P-W-OO	Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
	Zone - 062		Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
	Zone - 062		Block	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
		4- 4E-P-NE-MS	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 063		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 063		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		4- 4E-P-NE-L	Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,661
	Zone - 064		Peak	172	71.0	95.0	345	-9,206	95.0	345	-15,661
	Zone - 064		Block	172	71.0	95.0	345	-9,206	95.0	345	-15,661
		4- 4E-P-NE-00	Peak	862	71.0	95.0	1,724	-46,032	95.0	1,724	-78,305
	Zone - 065		Peak	862	71.0	95.0	1,724	-46,032	95.0	1,724	-78,305
	Zone - 065		Block	862	71.0	95.0	1,724	-46,032	95.0	1,724	-78,305
		3- 3W-P-N-CN	Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,921
	Zone - 066		Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,921
	Zone - 066		Block	43	71.0	95.0	86	-2,305	95.0	86	-3,921
		3- 3W-P-N-OO	Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,814
	Zone - 067		Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,814
	Zone - 067		Block	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,814
		3- 3W-P-NW-CN	Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,739
	Zone - 068		Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,739
	Zone - 068		Block	41	71.0	95.0	82	-2,198	95.0	82	-3,739
		3- 3W-P-NW-CR	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 069		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 069		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		3- 3W-P-SW-PO	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 070		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 070		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		3- 3W-P-NW-PO	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 071		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 071		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		3- 3W-P-NW-OO	Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
	Zone - 072		Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
	Zone - 072		Block	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
		3- 3W-P-SW-CN	Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,473
	Zone - 073		Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,473
	Zone - 073		Block	93	71.0	95.0	187	-4,981	95.0	187	-8,473
		2- 2W-P-S-OO	Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
	Zone - 074		Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
	Zone - 074		Block	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
		2- 2W-P-S-CN	Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,030
	Zone - 075		Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,030
	Zone - 075		Block	44	71.0	95.0	89	-2,369	95.0	89	-4,030
		2- 2E-P-SE-CN	Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,798
	Zone - 076		Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,798
	Zone - 076		Block	152	71.0	95.0	304	-8,111	95.0	304	-13,798
		2- 2E-P-SE-PO	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 077		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 077		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		2- 2W-P-S-CR	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 078		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 078		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		2- 2E-P-SE-CR	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 079		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 079		Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		2- 2E-P-NE-PO	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 080		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 080		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		2- 2E-P-SE-OO	Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
	Zone - 081		Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
	Zone - 081		Block	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
		2- 2E-P-NE-OO	Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-78,305
	Zone - 082		Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-78,305
	Zone - 082		Block	862	71.0	95.0	1,724	-46,031	95.0	1,724	-78,305
		2- 2E-P-NE-CR	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 083		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 083		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		2- 2E-P-NW-PO	Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 084		Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 084		Block	396	71.0	95.0	793	-21,169	95.0	793	-36,011
		2- 2E-P-NW-CR	Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 085		Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011



OA Condition		
	DB	WB
Peak Time	°F	°F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 085		Block	396	71.0	95.0	793	-21,169	95.0	793	-36,011
		2- 2E-P-NE-CN	Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,220
	Zone - 086		Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,220
	Zone - 086		Block	57	71.0	95.0	115	-3,069	95.0	115	-5,220
		2- 2E-P-NW-CN	Peak	198	71.0	95.0	396	-10,584	95.0	396	-18,005
	Zone - 087		Peak	198	71.0	95.0	396	-10,584	95.0	396	-18,005
	Zone - 087		Block	198	71.0	95.0	396	-10,584	95.0	396	-18,005
		2- 2E-P-NW-OO	Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
	Zone - 088		Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
	Zone - 088		Block	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
		2- 2W-I-SM	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 089		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 089		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
		2- 2W-I-CN	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 090		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 090		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
		2- 2W-I-CR	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 091		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 091		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
		2- 2E-I-SM	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 092		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 092		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
		1W-P-NW-M	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 093		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 093		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		2- 2E-I-CR	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 094		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 094		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		2- 2W-I-OO	Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-233,665
	Zone - 095		Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-233,665
	Zone - 095		Block	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-233,665
		2- 2E-I-OO	Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-583,549
	Zone - 096		Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-583,549
	Zone - 096		Block	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-583,549
		1W-P-N-CN	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 097		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 097		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		1W-P-N-S	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 098		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 098		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		1W-P-N-OO	Peak	259	71.0	95.0	518	-13,829	95.0	518	-23,525
	Zone - 099		Peak	259	71.0	95.0	518	-13,829	95.0	518	-23,525

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 099		Block	259	71.0	95.0	518	-13,829	95.0	518	-23,525
		1W-P-N-M	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 100		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 100		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		1W-P-N-L	Peak	2,158	71.0	95.0	4,315	-115,246	95.0	4,315	-196,046
	Zone - 101		Peak	2,158	71.0	95.0	4,315	-115,246	95.0	4,315	-196,046
	Zone - 101		Block	2,158	71.0	95.0	4,315	-115,246	95.0	4,315	-196,046
		1W-P-N-R	Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,763
	Zone - 102		Peak	129	71.0	95.0	259	-6,915	95.0	259	-11,763
	Zone - 102		Block	129	71.0	95.0	259	-6,915	95.0	259	-11,763
		1W-P-NW-CN	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 103		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 103		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		1W-P-NW-S	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 104		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 104		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		1W-P-NW-OO	Peak	247	71.0	95.0	494	-13,189	95.0	494	-22,435
	Zone - 105		Peak	247	71.0	95.0	494	-13,189	95.0	494	-22,435
	Zone - 105		Block	247	71.0	95.0	494	-13,189	95.0	494	-22,435
		2- 2E-I-CN	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 106		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 106		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
		2- 2W-P-SW-CN	Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,473
	Zone - 107		Peak	93	71.0	95.0	187	-4,981	95.0	187	-8,473
	Zone - 107		Block	93	71.0	95.0	187	-4,981	95.0	187	-8,473
		2- 2W-P-NW-OO	Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
	Zone - 108		Peak	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
	Zone - 108		Block	617	71.0	95.0	1,235	-32,971	95.0	1,235	-56,088
		2- 2W-P-SW-PO	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 109		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 109		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		2- 2W-P-NW-CR	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 110		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 110		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		2- 2W-P-NW-PO	Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 111		Peak	82	71.0	95.0	165	-4,396	95.0	165	-7,478
	Zone - 111		Block	82	71.0	95.0	165	-4,396	95.0	165	-7,478
		2- 2W-P-NW-CN	Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,739
	Zone - 112		Peak	41	71.0	95.0	82	-2,198	95.0	82	-3,739
	Zone - 112		Block	41	71.0	95.0	82	-2,198	95.0	82	-3,739
		1W-I-M	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 113		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733

Peak Time	OA Condition	
	DB	WB
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 113		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
		1W-I-OO	Peak	1,543	71.0	95.0	3,086	-82,416	95.0	3,086	-140,199
	Zone - 114		Peak	1,543	71.0	95.0	3,086	-82,416	95.0	3,086	-140,199
	Zone - 114		Block	1,543	71.0	95.0	3,086	-82,416	95.0	3,086	-140,199
		1W-I-S	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 115		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 115		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
		1W-I-CN	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 116		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 116		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
		1E-P-NW-R	Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-54,016
	Zone - 117		Peak	594	71.0	95.0	1,189	-31,753	95.0	1,189	-54,016
	Zone - 117		Block	594	71.0	95.0	1,189	-31,753	95.0	1,189	-54,016
		1E-P-NW-L	Peak	991	71.0	95.0	1,982	-52,922	95.0	1,982	-90,027
	Zone - 118		Peak	991	71.0	95.0	1,982	-52,922	95.0	1,982	-90,027
	Zone - 118		Block	991	71.0	95.0	1,982	-52,922	95.0	1,982	-90,027
		1E-P-NW-M	Peak	397	71.0	95.0	793	-21,185	95.0	793	-36,038
	Zone - 119		Peak	397	71.0	95.0	793	-21,185	95.0	793	-36,038
	Zone - 119		Block	397	71.0	95.0	793	-21,185	95.0	793	-36,038
		1E-P-NW-OO	Peak	1,189	71.0	95.0	2,378	-63,507	95.0	2,378	-108,032
	Zone - 120		Peak	1,189	71.0	95.0	2,378	-63,507	95.0	2,378	-108,032
	Zone - 120		Block	1,189	71.0	95.0	2,378	-63,507	95.0	2,378	-108,032
		2- 2W-P-S-PO	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 121		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 121		Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		2- 2W-P-SW-CR	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 122		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 122		Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		2- 2W-P-SW-OO	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
	Zone - 123		Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
	Zone - 123		Block	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
		2- 2W-P-N-OO	Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,814
	Zone - 124		Peak	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,814
	Zone - 124		Block	647	71.0	95.0	1,295	-34,574	95.0	1,295	-58,814
		2- 2W-P-N-CN	Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,921
	Zone - 125		Peak	43	71.0	95.0	86	-2,305	95.0	86	-3,921
	Zone - 125		Block	43	71.0	95.0	86	-2,305	95.0	86	-3,921
		2- 2W-P-N-CR	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 126		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 126		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		2- 2W-P-N-PO	Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842
	Zone - 127		Peak	86	71.0	95.0	173	-4,610	95.0	173	-7,842

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 127		Block	86	71.0	95.0	173	-4,610	95.0	173	-7,842
		3- 3E-I-OO	Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-583,549
	Zone - 128		Peak	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-583,549
	Zone - 128		Block	6,422	71.0	95.0	12,844	-343,039	95.0	12,844	-583,549
		3- 3E-I-CR	Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 129		Peak	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
	Zone - 129		Block	1,284	71.0	95.0	2,569	-68,608	95.0	2,569	-116,710
		3- 3E-I-CN	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 130		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 130		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
		3- 3E-I-SM	Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 131		Peak	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
	Zone - 131		Block	2,569	71.0	95.0	5,138	-137,216	95.0	5,138	-233,419
		3- 3W-I-OO	Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-233,665
	Zone - 132		Peak	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-233,665
	Zone - 132		Block	2,572	71.0	95.0	5,143	-137,360	95.0	5,143	-233,665
		3- 3W-I-CR	Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 133		Peak	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
	Zone - 133		Block	514	71.0	95.0	1,029	-27,472	95.0	1,029	-46,733
		3- 3W-I-CN	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 134		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 134		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
		3- 3W-I-SM	Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 135		Peak	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
	Zone - 135		Block	1,029	71.0	95.0	2,057	-54,944	95.0	2,057	-93,466
		3- 3E-P-NW-OO	Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
	Zone - 136		Peak	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
	Zone - 136		Block	2,972	71.0	95.0	5,945	-158,767	95.0	5,945	-270,080
		3- 3E-P-NW-CN	Peak	198	71.0	95.0	396	-10,584	95.0	396	-18,005
	Zone - 137		Peak	198	71.0	95.0	396	-10,584	95.0	396	-18,005
	Zone - 137		Block	198	71.0	95.0	396	-10,584	95.0	396	-18,005
		3- 3E-P-NW-CR	Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 138		Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 138		Block	396	71.0	95.0	793	-21,169	95.0	793	-36,011
		3- 3E-P-NW-PO	Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 139		Peak	396	71.0	95.0	793	-21,169	95.0	793	-36,011
	Zone - 139		Block	396	71.0	95.0	793	-21,169	95.0	793	-36,011
		3- 3E-P-NE-CR	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 140		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 140		Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		3- 3E-P-NE-OO	Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-78,305
	Zone - 141		Peak	862	71.0	95.0	1,724	-46,031	95.0	1,724	-78,305

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	-1	-4

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE			COIL			
					Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 141		Block	862	71.0	95.0	1,724	-46,031	95.0	1,724	-78,305
		3- 3E-P-NE-CN	Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,220
	Zone - 142		Peak	57	71.0	95.0	115	-3,069	95.0	115	-5,220
		Zone - 142	Block	57	71.0	95.0	115	-3,069	95.0	115	-5,220
		3- 3E-P-SE-OO	Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
	Zone - 143		Peak	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
		Zone - 143	Block	2,278	71.0	95.0	4,556	-121,669	95.0	4,556	-206,973
		3- 3E-P-NE-PO	Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
	Zone - 144		Peak	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		Zone - 144	Block	115	71.0	95.0	230	-6,138	95.0	230	-10,441
		3- 3E-P-SE-CR	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 145		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		Zone - 145	Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		3- 3E-P-SE-PO	Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
	Zone - 146		Peak	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		Zone - 146	Block	304	71.0	95.0	607	-16,223	95.0	607	-27,596
		3- 3E-P-SE-CN	Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,798
	Zone - 147		Peak	152	71.0	95.0	304	-8,111	95.0	304	-13,798
		Zone - 147	Block	152	71.0	95.0	304	-8,111	95.0	304	-13,798
		3- 3W-P-S-CR	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 148		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		Zone - 148	Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		3- 3W-P-S-OO	Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
	Zone - 149		Peak	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
		Zone - 149	Block	665	71.0	95.0	1,331	-35,535	95.0	1,331	-60,449
		3- 3W-P-S-CN	Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,030
	Zone - 150		Peak	44	71.0	95.0	89	-2,369	95.0	89	-4,030
		Zone - 150	Block	44	71.0	95.0	89	-2,369	95.0	89	-4,030
		3- 3W-P-S-PO	Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
	Zone - 151		Peak	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		Zone - 151	Block	89	71.0	95.0	177	-4,738	95.0	177	-8,060
		3- 3W-P-SW-CR	Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
	Zone - 152		Peak	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		Zone - 152	Block	187	71.0	95.0	373	-9,962	95.0	373	-16,947
		3- 3W-P-SW-OO	Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
	Zone - 153		Peak	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
		Zone - 153	Block	1,399	71.0	95.0	2,798	-74,716	95.0	2,798	-127,100
	AHUs vav w/ rh		Peak	123,591	71.0	95.0	247,183	-6,601,796	95.0	247,183	-11,230,395
	AHUs vav w/ rh		Block	123,591	71.0	95.0	247,183	-6,601,794	95.0	247,183	-11,230,414

# PEAK COOLING LOADS

## MAIN SYSTEM

By Trial

System	Zone	Room	Floor Area ft²	SPACE							COIL								
				Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F							DB °F	WB °F					
<b>Alternative 1</b>																			
		4- 4W-P-NW-OO	Peak	617	6/18	78	64	72.0	55.0	1,253	23,697	645	7/18	80	70	55.0	1,235	25,632	2,104
	Zone - 001		Peak	617		78	64	72.0	55.0	1,253	23,697	645		80	70	55.0	1,235	25,632	2,104
	Zone - 001		Block	617	6/18	78	64	72.0	55.0	1,253	23,697	645	7/18	80	70	55.0	1,235	25,632	2,104
		4- 4W-P-NW-MS	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,418	281
	Zone - 002		Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,418	281
	Zone - 002		Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,418	281
		4- 4W-P-SW-OO	Peak	1,399	9/15	76	61	72.0	55.0	3,851	72,848	2,042	9/15	76	61	55.0	3,851	79,080	2,042
	Zone - 003		Peak	1,399		76	61	72.0	55.0	3,851	72,848	2,042		76	61	55.0	3,851	79,080	2,042
	Zone - 003		Block	1,399	9/15	76	61	72.0	55.0	3,851	72,848	2,042	9/15	76	61	55.0	3,851	79,080	2,042
		4- 4W-P-SW-L	Peak	280	9/15	76	61	72.0	55.0	770	14,568	408	9/15	76	61	55.0	770	15,815	408
	Zone - 004		Peak	280		76	61	72.0	55.0	770	14,568	408		76	61	55.0	770	15,815	408
	Zone - 004		Block	280	9/15	76	61	72.0	55.0	770	14,568	408	9/15	76	61	55.0	770	15,815	408
		4- 4W-P-SW-MS	Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,543	272
	Zone - 005		Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,543	272
	Zone - 005		Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,543	272
		4- 4W-P-S-OO	Peak	665	10/13	64	52	72.0	55.0	2,255	42,666	-4	10/13	64	52	55.0	2,255	58,046	-4
	Zone - 006		Peak	665		64	52	72.0	55.0	2,255	42,666	-4		64	52	55.0	2,255	58,046	-4
	Zone - 006		Block	665	10/13	64	52	72.0	55.0	2,255	42,666	-4	10/13	64	52	55.0	2,255	58,046	-4
		4- 4W-P-S-L	Peak	133	10/13	64	52	72.0	55.0	451	8,536	-1	10/13	64	52	55.0	451	11,612	-1
	Zone - 007		Peak	133		64	52	72.0	55.0	451	8,536	-1		64	52	55.0	451	11,612	-1
	Zone - 007		Block	133	10/13	64	52	72.0	55.0	451	8,536	-1	10/13	64	52	55.0	451	11,612	-1
		1W-P-SW-M	Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	Zone - 008		Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,260	272
	Zone - 008		Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
		1W-P-SW-OO	Peak	560	9/15	76	61	72.0	55.0	1,540	29,137	817	9/15	76	61	55.0	1,540	30,779	817
	Zone - 009		Peak	560		76	61	72.0	55.0	1,540	29,137	817		76	61	55.0	1,540	30,779	817
	Zone - 009		Block	560	9/15	76	61	72.0	55.0	1,540	29,137	817	9/15	76	61	55.0	1,540	30,779	817
		1W-P-SW-S	Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	Zone - 010		Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,260	272
	Zone - 010		Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
		1W-P-SW-L	Peak	466	9/15	76	61	72.0	55.0	1,283	24,281	681	9/15	76	61	55.0	1,283	25,649	681
	Zone - 011		Peak	466		76	61	72.0	55.0	1,283	24,281	681		76	61	55.0	1,283	25,649	681
	Zone - 011		Block	466	9/15	76	61	72.0	55.0	1,283	24,281	681	9/15	76	61	55.0	1,283	25,649	681
		1E-I-M	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry	Supply Dry	Space Air	Space Sensible	Space Latent	Peak Time Mo/Hr	OA Condition		Supply Dry	Coil Airflow	Coil Sensible	Coil Latent	
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h	
	Zone - 012		1,284	Peak		84	72	72.0	55.0	2,569	10,297	6,144		84	72	55.0	2,569	12,414	6,144
	Zone - 012		1,284	Block	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		1W-P-SW-R	280	Peak	9/15	76	61	72.0	55.0	770	14,568	408	9/15	76	61	55.0	770	15,390	408
	Zone - 014		280	Peak		76	61	72.0	55.0	770	14,568	408		76	61	55.0	770	15,390	408
	Zone - 014		280	Block	9/15	76	61	72.0	55.0	770	14,568	408	9/15	76	61	55.0	770	15,390	408
		1W-P-S-CN	89	Peak	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 015		89	Peak		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 015		89	Block	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
		1W-P-S-S	89	Peak	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 016		89	Peak		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 016		89	Block	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
		1W-P-S-M	89	Peak	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 017		89	Peak		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 017		89	Block	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
		1W-P-S-OO	266	Peak	10/13	64	52	72.0	55.0	902	17,065	-1	10/13	64	52	55.0	902	23,010	-1
	Zone - 018		266	Peak		64	52	72.0	55.0	902	17,065	-1		64	52	55.0	902	23,010	-1
	Zone - 018		266	Block	10/13	64	52	72.0	55.0	902	17,065	-1	10/13	64	52	55.0	902	23,010	-1
		1W-P-S-L	222	Peak	10/13	64	52	72.0	55.0	752	14,224	-1	10/13	64	52	55.0	752	19,179	-1
	Zone - 019		222	Peak		64	52	72.0	55.0	752	14,224	-1		64	52	55.0	752	19,179	-1
	Zone - 019		222	Block	10/13	64	52	72.0	55.0	752	14,224	-1	10/13	64	52	55.0	752	19,179	-1
		1W-P-S-R	133	Peak	10/13	64	52	72.0	55.0	451	8,536	-1	10/13	64	52	55.0	451	11,508	-1
	Zone - 020		133	Peak		64	52	72.0	55.0	451	8,536	-1		64	52	55.0	451	11,508	-1
	Zone - 020		133	Block	10/13	64	52	72.0	55.0	451	8,536	-1	10/13	64	52	55.0	451	11,508	-1
		1E-P-SE-CN	304	Peak	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	Zone - 021		304	Peak		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,623	238
	Zone - 021		304	Block	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
		1E-P-SE-S	304	Peak	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	Zone - 022		304	Peak		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,623	238
	Zone - 022		304	Block	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
		1E-P-SE-M	304	Peak	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	Zone - 023		304	Peak		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,623	238
	Zone - 023		304	Block	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
		1E-P-SE-OO	911	Peak	9/10	62	54	72.0	55.0	2,187	41,376	714	9/10	62	54	55.0	2,187	64,868	714
	Zone - 024		911	Peak		62	54	72.0	55.0	2,187	41,376	714		62	54	55.0	2,187	64,868	714
	Zone - 024		911	Block	9/10	62	54	72.0	55.0	2,187	41,376	714	9/10	62	54	55.0	2,187	64,868	714
		1E-P-SE-R	456	Peak	9/10	62	54	72.0	55.0	1,094	20,691	357	9/10	62	54	55.0	1,094	32,437	357
	Zone - 025		456	Peak		62	54	72.0	55.0	1,094	20,691	357		62	54	55.0	1,094	32,437	357
	Zone - 025		456	Block	9/10	62	54	72.0	55.0	1,094	20,691	357	9/10	62	54	55.0	1,094	32,437	357
		1E-P-SE-L	759	Peak	9/10	62	54	72.0	55.0	1,823	34,483	595	9/10	62	54	55.0	1,823	54,059	595
	Zone - 026		759	Peak		62	54	72.0	55.0	1,823	34,483	595		62	54	55.0	1,823	54,059	595
	Zone - 026		759	Block	9/10	62	54	72.0	55.0	1,823	34,483	595	9/10	62	54	55.0	1,823	54,059	595
		1E-P-NE-CN	115	Peak	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	Zone - 027		115	Peak		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,252	243

			SPACE									COIL						
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h
					DB °F	WB °F							DB °F	WB °F				
	Zone - 027	Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	1E-P-NE-S	Peak	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	Zone - 028	Peak	115		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,252	243
	Zone - 028	Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	1E-P-NE-OO	Peak	345	6/8	63	55	72.0	55.0	727	13,763	-9	7/8	69	63	55.0	727	21,751	729
	Zone - 029	Peak	345		63	55	72.0	55.0	727	13,763	-9		69	63	55.0	727	21,751	729
	Zone - 029	Block	345	6/8	63	55	72.0	55.0	727	13,763	-9	7/8	69	63	55.0	727	21,751	729
	1E-P-NE-L	Peak	287	6/8	63	55	72.0	55.0	606	11,468	-7	7/8	69	63	55.0	605	18,125	607
	Zone - 030	Peak	287		63	55	72.0	55.0	606	11,468	-7		69	63	55.0	605	18,125	607
	Zone - 030	Block	287	6/8	63	55	72.0	55.0	606	11,468	-7	7/8	69	63	55.0	605	18,125	607
	1E-P-NE-M	Peak	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	Zone - 031	Peak	115		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,252	243
	Zone - 031	Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	1E-P-NW-CN	Peak	397	6/17	81	65	72.0	55.0	793	13,810	914	7/17	82	71	55.0	793	14,615	1,852
	Zone - 032	Peak	397		81	65	72.0	55.0	793	13,810	914		82	71	55.0	793	14,615	1,852
	Zone - 032	Block	397	6/17	81	65	72.0	55.0	793	13,810	914	7/17	82	71	55.0	793	14,615	1,852
	1E-P-NE-R	Peak	172	6/17	81	65	72.0	55.0	447	8,461	397	7/17	82	71	55.0	429	8,553	805
	Zone - 033	Peak	172		81	65	72.0	55.0	447	8,461	397		82	71	55.0	429	8,553	805
	Zone - 033	Block	172	6/17	81	65	72.0	55.0	447	8,461	397	7/17	82	71	55.0	429	8,553	805
	1E-P-NW-S	Peak	397	6/17	81	65	72.0	55.0	793	13,810	914	7/17	82	71	55.0	793	14,615	1,852
	Zone - 034	Peak	397		81	65	72.0	55.0	793	13,810	914		82	71	55.0	793	14,615	1,852
	Zone - 034	Block	397	6/17	81	65	72.0	55.0	793	13,810	914	7/17	82	71	55.0	793	14,615	1,852
	4- 4W-P-N-MS	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,472	413
	Zone - 035	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,472	413
	Zone - 035	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,472	413
	4- 4W-P-NW-L	Peak	123	6/18	78	64	72.0	55.0	251	4,740	129	7/18	80	70	55.0	247	5,126	421
	Zone - 036	Peak	123		78	64	72.0	55.0	251	4,740	129		80	70	55.0	247	5,126	421
	Zone - 036	Block	123	6/18	78	64	72.0	55.0	251	4,740	129	7/18	80	70	55.0	247	5,126	421
	4- 4W-P-N-L	Peak	129	7/15	84	72	72.0	55.0	259	1,655	619	7/15	84	72	55.0	259	2,208	619
	Zone - 037	Peak	129		84	72	72.0	55.0	259	1,655	619		84	72	55.0	259	2,208	619
	Zone - 037	Block	129	7/15	84	72	72.0	55.0	259	1,655	619	7/15	84	72	55.0	259	2,208	619
	1W-I-R	Peak	771	7/15	84	72	72.0	55.0	1,543	6,185	3,690	7/15	84	72	55.0	1,543	7,456	3,690
	Zone - 038	Peak	771		84	72	72.0	55.0	1,543	6,185	3,690		84	72	55.0	1,543	7,456	3,690
	Zone - 038	Block	771	7/15	84	72	72.0	55.0	1,543	6,185	3,690	7/15	84	72	55.0	1,543	7,456	3,690
	1W-I-L	Peak	1,286	7/15	84	72	72.0	55.0	2,572	10,308	6,151	7/15	84	72	55.0	2,572	12,427	6,151
	Zone - 039	Peak	1,286		84	72	72.0	55.0	2,572	10,308	6,151		84	72	55.0	2,572	12,427	6,151
	Zone - 039	Block	1,286	7/15	84	72	72.0	55.0	2,572	10,308	6,151	7/15	84	72	55.0	2,572	12,427	6,151
	IE-I-CN	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
	Zone - 040	Peak	1,284		84	72	72.0	55.0	2,569	10,297	6,144		84	72	55.0	2,569	12,414	6,144
	Zone - 040	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
	1E-I-OO	Peak	3,853	7/15	84	72	72.0	55.0	7,706	30,892	18,432	7/15	84	72	55.0	7,706	37,242	18,432
	Zone - 041	Peak	3,853		84	72	72.0	55.0	7,706	30,892	18,432		84	72	55.0	7,706	37,242	18,432
	Zone - 041	Block	3,853	7/15	84	72	72.0	55.0	7,706	30,892	18,432	7/15	84	72	55.0	7,706	37,242	18,432



			SPACE									COIL							
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F					DB °F		WB °F						
		1E-I-S	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		Zone - 042	Peak	1,284		84	72	72.0	55.0	2,569	10,297	6,144		84	72	55.0	2,569	12,414	6,144
		Zone - 042	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		1E-I-R	Peak	1,927	7/15	84	72	72.0	55.0	3,853	15,446	9,216	7/15	84	72	55.0	3,853	18,621	9,216
		Zone - 043	Peak	1,927		84	72	72.0	55.0	3,853	15,446	9,216		84	72	55.0	3,853	18,621	9,216
		Zone - 043	Block	1,927	7/15	84	72	72.0	55.0	3,853	15,446	9,216	7/15	84	72	55.0	3,853	18,621	9,216
		1E-I-L	Peak	3,211	7/15	84	72	72.0	55.0	6,422	25,743	15,360	7/15	84	72	55.0	6,422	31,035	15,360
		Zone - 044	Peak	3,211		84	72	72.0	55.0	6,422	25,743	15,360		84	72	55.0	6,422	31,035	15,360
		Zone - 044	Block	3,211	7/15	84	72	72.0	55.0	6,422	25,743	15,360	7/15	84	72	55.0	6,422	31,035	15,360
		4- 4W-P-S-MS	Peak	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,739	0
		Zone - 045	Peak	89		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,739	0
		Zone - 045	Block	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,739	0
		4- 4E-P-SE-OO	Peak	2,278	7/15	84	72	72.0	55.0	4,556	18,261	10,896	7/15	84	72	55.0	4,556	22,015	10,896
		Zone - 046	Peak	2,278		84	72	72.0	55.0	4,556	18,261	10,896		84	72	55.0	4,556	22,015	10,896
		Zone - 046	Block	2,278	7/15	84	72	72.0	55.0	4,556	18,261	10,896	7/15	84	72	55.0	4,556	22,015	10,896
		1W-P-SW-CN	Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
		Zone - 047	Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,260	272
		Zone - 047	Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
		1W-P-NW-R	Peak	123	6/18	78	64	72.0	55.0	251	4,740	129	7/18	80	70	55.0	247	4,944	421
		Zone - 048	Peak	123		78	64	72.0	55.0	251	4,740	129		80	70	55.0	247	4,944	421
		Zone - 048	Block	123	6/18	78	64	72.0	55.0	251	4,740	129	7/18	80	70	55.0	247	4,944	421
		1W-P-NW-L	Peak	206	6/18	78	64	72.0	55.0	417	7,898	215	7/18	80	70	55.0	412	8,241	701
		Zone - 049	Peak	206		78	64	72.0	55.0	417	7,898	215		80	70	55.0	412	8,241	701
		Zone - 049	Block	206	6/18	78	64	72.0	55.0	417	7,898	215	7/18	80	70	55.0	412	8,241	701
		4- 4E-P-SE-L	Peak	456	7/15	84	72	72.0	55.0	911	3,652	2,179	7/15	84	72	55.0	911	4,403	2,179
		Zone - 050	Peak	456		84	72	72.0	55.0	911	3,652	2,179		84	72	55.0	911	4,403	2,179
		Zone - 050	Block	456	7/15	84	72	72.0	55.0	911	3,652	2,179	7/15	84	72	55.0	911	4,403	2,179
		4- 4E-P-SE-MS	Peak	304	7/15	84	72	72.0	55.0	607	2,435	1,453	7/15	84	72	55.0	607	2,935	1,453
		Zone - 051	Peak	304		84	72	72.0	55.0	607	2,435	1,453		84	72	55.0	607	2,935	1,453
		Zone - 051	Block	304	7/15	84	72	72.0	55.0	607	2,435	1,453	7/15	84	72	55.0	607	2,935	1,453
		3- 3W-P-N-CR	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		Zone - 052	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
		Zone - 052	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		3- 3W-P-N-PO	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		Zone - 053	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
		Zone - 053	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		4- 4E-I-MS	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		Zone - 054	Peak	1,284		84	72	72.0	55.0	2,569	10,297	6,144		84	72	55.0	2,569	12,414	6,144
		Zone - 054	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		4- 4E-I-L	Peak	1,927	7/15	84	72	72.0	55.0	3,853	15,446	9,216	7/15	84	72	55.0	3,853	18,621	9,216
		Zone - 055	Peak	1,927		84	72	72.0	55.0	3,853	15,446	9,216		84	72	55.0	3,853	18,621	9,216
		Zone - 055	Block	1,927	7/15	84	72	72.0	55.0	3,853	15,446	9,216	7/15	84	72	55.0	3,853	18,621	9,216
		4- 4E-I-OO	Peak	9,633	7/15	84	72	72.0	55.0	19,266	77,229	46,081	7/15	84	72	55.0	19,266	93,105	46,081

			SPACE								COIL									
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry	Supply Dry	Space Air	Space Sensible	Space Latent	Peak Time Mo/Hr	OA Condition		Supply Dry	Coil Airflow	Coil Sensible	Coil Latent		
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h		
	Zone - 056	Peak	9,633			84	72	72.0	55.0	19,266	77,229	46,081			84	72	55.0	19,266	93,105	46,081
	Zone - 056	Block	9,633	7/15		84	72	72.0	55.0	19,266	77,229	46,081	7/15		84	72	55.0	19,266	93,105	46,081
	4- 4W-I-L	Peak	771	7/15		84	72	72.0	55.0	1,543	6,185	3,690	7/15		84	72	55.0	1,543	9,373	3,690
	Zone - 057	Peak	771			84	72	72.0	55.0	1,543	6,185	3,690			84	72	55.0	1,543	9,373	3,690
	Zone - 057	Block	771	7/15		84	72	72.0	55.0	1,543	6,185	3,690	7/15		84	72	55.0	1,543	9,373	3,690
	4- 4W-I-MS	Peak	514	7/15		84	72	72.0	55.0	1,029	4,123	2,460	7/15		84	72	55.0	1,029	6,248	2,460
	Zone - 058	Peak	514			84	72	72.0	55.0	1,029	4,123	2,460			84	72	55.0	1,029	6,248	2,460
	Zone - 058	Block	514	7/15		84	72	72.0	55.0	1,029	4,123	2,460	7/15		84	72	55.0	1,029	6,248	2,460
	4- 4W-I-OO	Peak	3,857	7/15		84	72	72.0	55.0	7,715	30,924	18,452	7/15		84	72	55.0	7,715	46,863	18,452
	Zone - 059	Peak	3,857			84	72	72.0	55.0	7,715	30,924	18,452			84	72	55.0	7,715	46,863	18,452
	Zone - 059	Block	3,857	7/15		84	72	72.0	55.0	7,715	30,924	18,452	7/15		84	72	55.0	7,715	46,863	18,452
	4- 4E-P-NW-L	Peak	594	7/15		84	72	72.0	55.0	1,189	4,766	2,844	7/15		84	72	55.0	1,189	5,746	2,844
	Zone - 060	Peak	594			84	72	72.0	55.0	1,189	4,766	2,844			84	72	55.0	1,189	5,746	2,844
	Zone - 060	Block	594	7/15		84	72	72.0	55.0	1,189	4,766	2,844	7/15		84	72	55.0	1,189	5,746	2,844
	4- 4E-P-NW-MS	Peak	396	7/15		84	72	72.0	55.0	793	3,177	1,896	7/15		84	72	55.0	793	3,830	1,896
	Zone - 061	Peak	396			84	72	72.0	55.0	793	3,177	1,896			84	72	55.0	793	3,830	1,896
	Zone - 061	Block	396	7/15		84	72	72.0	55.0	793	3,177	1,896	7/15		84	72	55.0	793	3,830	1,896
	4- 4E-P-W-OO	Peak	2,972	7/15		84	72	72.0	55.0	5,945	23,829	14,218	7/15		84	72	55.0	5,945	28,727	14,218
	Zone - 062	Peak	2,972			84	72	72.0	55.0	5,945	23,829	14,218			84	72	55.0	5,945	28,727	14,218
	Zone - 062	Block	2,972	7/15		84	72	72.0	55.0	5,945	23,829	14,218	7/15		84	72	55.0	5,945	28,727	14,218
	4- 4E-P-NE-MS	Peak	115	7/15		84	72	72.0	55.0	230	921	550	7/15		84	72	55.0	230	1,111	550
	Zone - 063	Peak	115			84	72	72.0	55.0	230	921	550			84	72	55.0	230	1,111	550
	Zone - 063	Block	115	7/15		84	72	72.0	55.0	230	921	550	7/15		84	72	55.0	230	1,111	550
	4- 4E-P-NE-L	Peak	172	7/15		84	72	72.0	55.0	345	1,382	824	7/15		84	72	55.0	345	1,666	824
	Zone - 064	Peak	172			84	72	72.0	55.0	345	1,382	824			84	72	55.0	345	1,666	824
	Zone - 064	Block	172	7/15		84	72	72.0	55.0	345	1,382	824	7/15		84	72	55.0	345	1,666	824
	4- 4E-P-NE-00	Peak	862	7/15		84	72	72.0	55.0	1,724	6,909	4,122	7/15		84	72	55.0	1,724	8,329	4,122
	Zone - 065	Peak	862			84	72	72.0	55.0	1,724	6,909	4,122			84	72	55.0	1,724	8,329	4,122
	Zone - 065	Block	862	7/15		84	72	72.0	55.0	1,724	6,909	4,122	7/15		84	72	55.0	1,724	8,329	4,122
	3- 3W-P-N-CN	Peak	43	7/15		84	72	72.0	55.0	86	552	206	7/15		84	72	55.0	86	629	206
	Zone - 066	Peak	43			84	72	72.0	55.0	86	552	206			84	72	55.0	86	629	206
	Zone - 066	Block	43	7/15		84	72	72.0	55.0	86	552	206	7/15		84	72	55.0	86	629	206
	3- 3W-P-N-OO	Peak	647	7/15		84	72	72.0	55.0	1,295	8,273	3,096	7/15		84	72	55.0	1,295	9,430	3,096
	Zone - 067	Peak	647			84	72	72.0	55.0	1,295	8,273	3,096			84	72	55.0	1,295	9,430	3,096
	Zone - 067	Block	647	7/15		84	72	72.0	55.0	1,295	8,273	3,096	7/15		84	72	55.0	1,295	9,430	3,096
	3- 3W-P-NW-CN	Peak	41	6/18		78	64	72.0	55.0	83	1,579	43	7/18		80	70	55.0	82	1,648	140
	Zone - 068	Peak	41			78	64	72.0	55.0	83	1,579	43			80	70	55.0	82	1,648	140
	Zone - 068	Block	41	6/18		78	64	72.0	55.0	83	1,579	43	7/18		80	70	55.0	82	1,648	140
	3- 3W-P-NW-CR	Peak	82	6/18		78	64	72.0	55.0	167	3,161	86	7/18		80	70	55.0	165	3,296	281
	Zone - 069	Peak	82			78	64	72.0	55.0	167	3,161	86			80	70	55.0	165	3,296	281
	Zone - 069	Block	82	6/18		78	64	72.0	55.0	167	3,161	86	7/18		80	70	55.0	165	3,296	281
	3- 3W-P-SW-PO	Peak	187	9/15		76	61	72.0	55.0	513	9,712	272	9/15		76	61	55.0	513	10,260	272
	Zone - 070	Peak	187			76	61	72.0	55.0	513	9,712	272			76	61	55.0	513	10,260	272

			SPACE									COIL						
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h
					DB °F	WB °F							DB °F	WB °F				
	Zone - 070	Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	3- 3W-P-NW-PO	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
	Zone - 071	Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,296	281
	Zone - 071	Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
	3- 3W-P-NW-OO	Peak	617	6/18	78	64	72.0	55.0	1,253	23,697	645	7/18	80	70	55.0	1,235	24,722	2,104
	Zone - 072	Peak	617		78	64	72.0	55.0	1,253	23,697	645		80	70	55.0	1,235	24,722	2,104
	Zone - 072	Block	617	6/18	78	64	72.0	55.0	1,253	23,697	645	7/18	80	70	55.0	1,235	24,722	2,104
	3- 3W-P-SW-CN	Peak	93	9/15	76	61	72.0	55.0	257	4,856	136	9/15	76	61	55.0	257	5,130	136
	Zone - 073	Peak	93		76	61	72.0	55.0	257	4,856	136		76	61	55.0	257	5,130	136
	Zone - 073	Block	93	9/15	76	61	72.0	55.0	257	4,856	136	9/15	76	61	55.0	257	5,130	136
	2- 2W-P-S-OO	Peak	665	10/13	64	52	72.0	55.0	2,255	42,662	-4	10/13	64	52	55.0	2,255	57,526	-4
	Zone - 074	Peak	665		64	52	72.0	55.0	2,255	42,662	-4		64	52	55.0	2,255	57,526	-4
	Zone - 074	Block	665	10/13	64	52	72.0	55.0	2,255	42,662	-4	10/13	64	52	55.0	2,255	57,526	-4
	2- 2W-P-S-CN	Peak	44	10/13	64	52	72.0	55.0	150	2,844	0	10/13	64	52	55.0	150	3,835	0
	Zone - 075	Peak	44		64	52	72.0	55.0	150	2,844	0		64	52	55.0	150	3,835	0
	Zone - 075	Block	44	10/13	64	52	72.0	55.0	150	2,844	0	10/13	64	52	55.0	150	3,835	0
	2- 2E-P-SE-CN	Peak	152	9/10	62	54	72.0	55.0	365	6,899	119	9/10	62	54	55.0	365	10,814	119
	Zone - 076	Peak	152		62	54	72.0	55.0	365	6,899	119		62	54	55.0	365	10,814	119
	Zone - 076	Block	152	9/10	62	54	72.0	55.0	365	6,899	119	9/10	62	54	55.0	365	10,814	119
	2- 2E-P-SE-PO	Peak	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	Zone - 077	Peak	304		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,623	238
	Zone - 077	Block	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	2- 2W-P-S-CR	Peak	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 078	Peak	89		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 078	Block	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	2- 2E-P-SE-CR	Peak	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	Zone - 079	Peak	304		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,623	238
	Zone - 079	Block	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,623	238
	2- 2E-P-NE-PO	Peak	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	Zone - 080	Peak	115		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,252	243
	Zone - 080	Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	2- 2E-P-SE-OO	Peak	2,278	9/10	62	54	72.0	55.0	5,468	103,443	1,786	9/10	62	54	55.0	5,468	162,173	1,786
	Zone - 081	Peak	2,278		62	54	72.0	55.0	5,468	103,443	1,786		62	54	55.0	5,468	162,173	1,786
	Zone - 081	Block	2,278	9/10	62	54	72.0	55.0	5,468	103,443	1,786	9/10	62	54	55.0	5,468	162,173	1,786
	2- 2E-P-NE-OO	Peak	862	6/8	63	55	72.0	55.0	1,818	34,399	-22	7/8	69	63	55.0	1,816	54,373	1,822
	Zone - 082	Peak	862		63	55	72.0	55.0	1,818	34,399	-22		69	63	55.0	1,816	54,373	1,822
	Zone - 082	Block	862	6/8	63	55	72.0	55.0	1,818	34,399	-22	7/8	69	63	55.0	1,816	54,373	1,822
	2- 2E-P-NE-CR	Peak	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	Zone - 083	Peak	115		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,252	243
	Zone - 083	Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,252	243
	2- 2E-P-NW-PO	Peak	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	14,612	1,851
	Zone - 084	Peak	396		81	65	72.0	55.0	793	13,807	913		82	71	55.0	793	14,612	1,851
	Zone - 084	Block	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	14,612	1,851

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F					DB °F		WB °F						
		2- 2E-P-NW-CR	Peak	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	14,612	1,851
		Zone - 085	Peak	396		81	65	72.0	55.0	793	13,807	913		82	71	55.0	793	14,612	1,851
		Zone - 085	Block	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	14,612	1,851
		2- 2E-P-NE-CN	Peak	57	6/8	63	55	72.0	55.0	121	2,295	-1	7/8	69	63	55.0	121	3,626	121
		Zone - 086	Peak	57		63	55	72.0	55.0	121	2,295	-1		69	63	55.0	121	3,626	121
		Zone - 086	Block	57	6/8	63	55	72.0	55.0	121	2,295	-1	7/8	69	63	55.0	121	3,626	121
		2- 2E-P-NW-CN	Peak	198	6/17	81	65	72.0	55.0	396	6,904	457	7/17	82	71	55.0	396	7,306	925
		Zone - 087	Peak	198		81	65	72.0	55.0	396	6,904	457		82	71	55.0	396	7,306	925
		Zone - 087	Block	198	6/17	81	65	72.0	55.0	396	6,904	457	7/17	82	71	55.0	396	7,306	925
		2- 2E-P-NW-OO	Peak	2,972	6/17	81	65	72.0	55.0	5,945	103,555	6,851	7/17	82	71	55.0	5,945	109,591	13,881
		Zone - 088	Peak	2,972		81	65	72.0	55.0	5,945	103,555	6,851		82	71	55.0	5,945	109,591	13,881
		Zone - 088	Block	2,972	6/17	81	65	72.0	55.0	5,945	103,555	6,851	7/17	82	71	55.0	5,945	109,591	13,881
		2- 2W-I-SM	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		Zone - 089	Peak	1,029		84	72	72.0	55.0	2,057	8,246	4,920		84	72	55.0	2,057	9,942	4,920
		Zone - 089	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		2- 2W-I-CN	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		Zone - 090	Peak	1,029		84	72	72.0	55.0	2,057	8,246	4,920		84	72	55.0	2,057	9,942	4,920
		Zone - 090	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		2- 2W-I-CR	Peak	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
		Zone - 091	Peak	514		84	72	72.0	55.0	1,029	4,123	2,460		84	72	55.0	1,029	4,971	2,460
		Zone - 091	Block	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
		2- 2E-I-SM	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	24,828	12,288
		Zone - 092	Peak	2,569		84	72	72.0	55.0	5,138	20,594	12,288		84	72	55.0	5,138	24,828	12,288
		Zone - 092	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	24,828	12,288
		1W-P-NW-M	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
		Zone - 093	Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,296	281
		Zone - 093	Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
		2- 2E-I-CR	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		Zone - 094	Peak	1,284		84	72	72.0	55.0	2,569	10,297	6,144		84	72	55.0	2,569	12,414	6,144
		Zone - 094	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	12,414	6,144
		2- 2W-I-OO	Peak	2,572	7/15	84	72	72.0	55.0	5,143	20,616	12,301	7/15	84	72	55.0	5,143	24,854	12,301
		Zone - 095	Peak	2,572		84	72	72.0	55.0	5,143	20,616	12,301		84	72	55.0	5,143	24,854	12,301
		Zone - 095	Block	2,572	7/15	84	72	72.0	55.0	5,143	20,616	12,301	7/15	84	72	55.0	5,143	24,854	12,301
		2- 2E-I-OO	Peak	6,422	7/15	84	72	72.0	55.0	12,844	51,486	30,720	7/15	84	72	55.0	12,844	62,070	30,720
		Zone - 096	Peak	6,422		84	72	72.0	55.0	12,844	51,486	30,720		84	72	55.0	12,844	62,070	30,720
		Zone - 096	Block	6,422	7/15	84	72	72.0	55.0	12,844	51,486	30,720	7/15	84	72	55.0	12,844	62,070	30,720
		1W-P-N-CN	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		Zone - 097	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
		Zone - 097	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		1W-P-N-S	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		Zone - 098	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
		Zone - 098	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		1W-P-N-OO	Peak	259	7/15	84	72	72.0	55.0	518	3,309	1,238	7/15	84	72	55.0	518	3,772	1,238

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F					DB °F		WB °F						
	Zone - 099		Peak	259		84	72	72.0	55.0	518	3,309	1,238		84	72	55.0	518	3,772	1,238
	Zone - 099		Block	259	7/15	84	72	72.0	55.0	518	3,309	1,238	7/15	84	72	55.0	518	3,772	1,238
		1W-P-N-M	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
	Zone - 100		Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
	Zone - 100		Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
		1W-P-N-L	Peak	2,158	7/15	84	72	72.0	55.0	4,315	18,325	10,321	7/15	84	72	55.0	4,315	21,911	10,321
	Zone - 101		Peak	2,158		84	72	72.0	55.0	4,315	18,325	10,321		84	72	55.0	4,315	21,911	10,321
	Zone - 101		Block	2,158	7/15	84	72	72.0	55.0	4,315	18,325	10,321	7/15	84	72	55.0	4,315	21,911	10,321
		1W-P-N-R	Peak	129	7/15	84	72	72.0	55.0	259	1,655	619	7/15	84	72	55.0	259	1,886	619
	Zone - 102		Peak	129		84	72	72.0	55.0	259	1,655	619		84	72	55.0	259	1,886	619
	Zone - 102		Block	129	7/15	84	72	72.0	55.0	259	1,655	619	7/15	84	72	55.0	259	1,886	619
		1W-P-NW-CN	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
	Zone - 103		Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,296	281
	Zone - 103		Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
		1W-P-NW-S	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
	Zone - 104		Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,296	281
	Zone - 104		Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
		1W-P-NW-OO	Peak	247	6/18	78	64	72.0	55.0	501	9,480	258	7/18	80	70	55.0	494	9,889	842
	Zone - 105		Peak	247		78	64	72.0	55.0	501	9,480	258		80	70	55.0	494	9,889	842
	Zone - 105		Block	247	6/18	78	64	72.0	55.0	501	9,480	258	7/18	80	70	55.0	494	9,889	842
		2-2E-I-CN	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	24,828	12,288
	Zone - 106		Peak	2,569		84	72	72.0	55.0	5,138	20,594	12,288		84	72	55.0	5,138	24,828	12,288
	Zone - 106		Block	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	24,828	12,288
		2-2W-P-SW-CN	Peak	93	9/15	76	61	72.0	55.0	257	4,856	136	9/15	76	61	55.0	257	5,130	136
	Zone - 107		Peak	93		76	61	72.0	55.0	257	4,856	136		76	61	55.0	257	5,130	136
	Zone - 107		Block	93	9/15	76	61	72.0	55.0	257	4,856	136	9/15	76	61	55.0	257	5,130	136
		2-2W-P-NW-OO	Peak	617	6/18	78	64	72.0	55.0	1,253	23,697	645	7/18	80	70	55.0	1,235	24,722	2,104
	Zone - 108		Peak	617		78	64	72.0	55.0	1,253	23,697	645		80	70	55.0	1,235	24,722	2,104
	Zone - 108		Block	617	6/18	78	64	72.0	55.0	1,253	23,697	645	7/18	80	70	55.0	1,235	24,722	2,104
		2-2W-P-SW-PO	Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	Zone - 109		Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,260	272
	Zone - 109		Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
		2-2W-P-NW-CR	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
	Zone - 110		Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,296	281
	Zone - 110		Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
		2-2W-P-NW-PO	Peak	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
	Zone - 111		Peak	82		78	64	72.0	55.0	167	3,161	86		80	70	55.0	165	3,296	281
	Zone - 111		Block	82	6/18	78	64	72.0	55.0	167	3,161	86	7/18	80	70	55.0	165	3,296	281
		2-2W-P-NW-CN	Peak	41	6/18	78	64	72.0	55.0	83	1,579	43	7/18	80	70	55.0	82	1,648	140
	Zone - 112		Peak	41		78	64	72.0	55.0	83	1,579	43		80	70	55.0	82	1,648	140
	Zone - 112		Block	41	6/18	78	64	72.0	55.0	83	1,579	43	7/18	80	70	55.0	82	1,648	140
		1W-I-M	Peak	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
	Zone - 113		Peak	514		84	72	72.0	55.0	1,029	4,123	2,460		84	72	55.0	1,029	4,971	2,460

			SPACE									COIL						
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	°F	cfm	Load Btu/h	Load Btu/h
	Zone - 113	Block	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
	1W-I-OO	Peak	1,543	7/15	84	72	72.0	55.0	3,086	12,370	7,381	7/15	84	72	55.0	3,086	14,912	7,381
	Zone - 114	Peak	1,543		84	72	72.0	55.0	3,086	12,370	7,381		84	72	55.0	3,086	14,912	7,381
	Zone - 114	Block	1,543	7/15	84	72	72.0	55.0	3,086	12,370	7,381	7/15	84	72	55.0	3,086	14,912	7,381
	1W-I-S	Peak	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
	Zone - 115	Peak	514		84	72	72.0	55.0	1,029	4,123	2,460		84	72	55.0	1,029	4,971	2,460
	Zone - 115	Block	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
	1W-I-CN	Peak	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
	Zone - 116	Peak	514		84	72	72.0	55.0	1,029	4,123	2,460		84	72	55.0	1,029	4,971	2,460
	Zone - 116	Block	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
	1E-P-NW-R	Peak	594	6/17	81	65	72.0	55.0	1,189	20,711	1,370	7/17	82	71	55.0	1,189	21,918	2,776
	Zone - 117	Peak	594		81	65	72.0	55.0	1,189	20,711	1,370		82	71	55.0	1,189	21,918	2,776
	Zone - 117	Block	594	6/17	81	65	72.0	55.0	1,189	20,711	1,370	7/17	82	71	55.0	1,189	21,918	2,776
	1E-P-NW-L	Peak	991	6/17	81	65	72.0	55.0	1,982	34,518	2,284	7/17	82	71	55.0	1,982	36,530	4,627
	Zone - 118	Peak	991		81	65	72.0	55.0	1,982	34,518	2,284		82	71	55.0	1,982	36,530	4,627
	Zone - 118	Block	991	6/17	81	65	72.0	55.0	1,982	34,518	2,284	7/17	82	71	55.0	1,982	36,530	4,627
	1E-P-NW-M	Peak	397	6/17	81	65	72.0	55.0	793	13,810	914	7/17	82	71	55.0	793	14,615	1,852
	Zone - 119	Peak	397		81	65	72.0	55.0	793	13,810	914		82	71	55.0	793	14,615	1,852
	Zone - 119	Block	397	6/17	81	65	72.0	55.0	793	13,810	914	7/17	82	71	55.0	793	14,615	1,852
	1E-P-NW-OO	Peak	1,189	6/17	81	65	72.0	55.0	2,378	41,422	2,740	7/17	82	71	55.0	2,378	43,837	5,552
	Zone - 120	Peak	1,189		81	65	72.0	55.0	2,378	41,422	2,740		82	71	55.0	2,378	43,837	5,552
	Zone - 120	Block	1,189	6/17	81	65	72.0	55.0	2,378	41,422	2,740	7/17	82	71	55.0	2,378	43,837	5,552
	2- 2W-P-S-PO	Peak	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 121	Peak	89		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 121	Block	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	2- 2W-P-SW-CR	Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	Zone - 122	Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,260	272
	Zone - 122	Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	2- 2W-P-SW-OO	Peak	1,399	9/15	76	61	72.0	55.0	3,851	72,848	2,042	9/15	76	61	55.0	3,851	76,955	2,042
	Zone - 123	Peak	1,399		76	61	72.0	55.0	3,851	72,848	2,042		76	61	55.0	3,851	76,955	2,042
	Zone - 123	Block	1,399	9/15	76	61	72.0	55.0	3,851	72,848	2,042	9/15	76	61	55.0	3,851	76,955	2,042
	2- 2W-P-N-OO	Peak	647	7/15	84	72	72.0	55.0	1,295	8,273	3,096	7/15	84	72	55.0	1,295	9,430	3,096
	Zone - 124	Peak	647		84	72	72.0	55.0	1,295	8,273	3,096		84	72	55.0	1,295	9,430	3,096
	Zone - 124	Block	647	7/15	84	72	72.0	55.0	1,295	8,273	3,096	7/15	84	72	55.0	1,295	9,430	3,096
	2- 2W-P-N-CN	Peak	43	7/15	84	72	72.0	55.0	86	552	206	7/15	84	72	55.0	86	629	206
	Zone - 125	Peak	43		84	72	72.0	55.0	86	552	206		84	72	55.0	86	629	206
	Zone - 125	Block	43	7/15	84	72	72.0	55.0	86	552	206	7/15	84	72	55.0	86	629	206
	2- 2W-P-N-CR	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
	Zone - 126	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
	Zone - 126	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
	2- 2W-P-N-PO	Peak	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413
	Zone - 127	Peak	86		84	72	72.0	55.0	173	1,103	413		84	72	55.0	173	1,257	413
	Zone - 127	Block	86	7/15	84	72	72.0	55.0	173	1,103	413	7/15	84	72	55.0	173	1,257	413

			SPACE									COIL							
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	°F	cfm	Load Btu/h	Load Btu/h	
		3- 3E-I-OO	Peak	6,422	7/15	84	72	72.0	55.0	12,844	51,486	30,720	7/15	84	72	55.0	12,844	78,023	30,720
		Zone - 128	Peak	6,422		84	72	72.0	55.0	12,844	51,486	30,720		84	72	55.0	12,844	78,023	30,720
		Zone - 128	Block	6,422	7/15	84	72	72.0	55.0	12,844	51,486	30,720	7/15	84	72	55.0	12,844	78,023	30,720
		3- 3E-I-CR	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	15,605	6,144
		Zone - 129	Peak	1,284		84	72	72.0	55.0	2,569	10,297	6,144		84	72	55.0	2,569	15,605	6,144
		Zone - 129	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,297	6,144	7/15	84	72	55.0	2,569	15,605	6,144
		3- 3E-I-CN	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	31,209	12,288
		Zone - 130	Peak	2,569		84	72	72.0	55.0	5,138	20,594	12,288		84	72	55.0	5,138	31,209	12,288
		Zone - 130	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	31,209	12,288
		3- 3E-I-SM	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	31,209	12,288
		Zone - 131	Peak	2,569		84	72	72.0	55.0	5,138	20,594	12,288		84	72	55.0	5,138	31,209	12,288
		Zone - 131	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,594	12,288	7/15	84	72	55.0	5,138	31,209	12,288
		3- 3W-I-OO	Peak	2,572	7/15	84	72	72.0	55.0	5,143	20,616	12,301	7/15	84	72	55.0	5,143	24,854	12,301
		Zone - 132	Peak	2,572		84	72	72.0	55.0	5,143	20,616	12,301		84	72	55.0	5,143	24,854	12,301
		Zone - 132	Block	2,572	7/15	84	72	72.0	55.0	5,143	20,616	12,301	7/15	84	72	55.0	5,143	24,854	12,301
		3- 3W-I-CR	Peak	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
		Zone - 133	Peak	514		84	72	72.0	55.0	1,029	4,123	2,460		84	72	55.0	1,029	4,971	2,460
		Zone - 133	Block	514	7/15	84	72	72.0	55.0	1,029	4,123	2,460	7/15	84	72	55.0	1,029	4,971	2,460
		3- 3W-I-CN	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		Zone - 134	Peak	1,029		84	72	72.0	55.0	2,057	8,246	4,920		84	72	55.0	2,057	9,942	4,920
		Zone - 134	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		3- 3W-I-SM	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		Zone - 135	Peak	1,029		84	72	72.0	55.0	2,057	8,246	4,920		84	72	55.0	2,057	9,942	4,920
		Zone - 135	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,246	4,920	7/15	84	72	55.0	2,057	9,942	4,920
		3- 3E-P-NW-OO	Peak	2,972	6/17	81	65	72.0	55.0	5,945	103,555	6,851	7/17	82	71	55.0	5,945	115,064	13,881
		Zone - 136	Peak	2,972		81	65	72.0	55.0	5,945	103,555	6,851		82	71	55.0	5,945	115,064	13,881
		Zone - 136	Block	2,972	6/17	81	65	72.0	55.0	5,945	103,555	6,851	7/17	82	71	55.0	5,945	115,064	13,881
		3- 3E-P-NW-CN	Peak	198	6/17	81	65	72.0	55.0	396	6,904	457	7/17	82	71	55.0	396	7,671	925
		Zone - 137	Peak	198		81	65	72.0	55.0	396	6,904	457		82	71	55.0	396	7,671	925
		Zone - 137	Block	198	6/17	81	65	72.0	55.0	396	6,904	457	7/17	82	71	55.0	396	7,671	925
		3- 3E-P-NW-CR	Peak	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	15,342	1,851
		Zone - 138	Peak	396		81	65	72.0	55.0	793	13,807	913		82	71	55.0	793	15,342	1,851
		Zone - 138	Block	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	15,342	1,851
		3- 3E-P-NW-PO	Peak	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	15,342	1,851
		Zone - 139	Peak	396		81	65	72.0	55.0	793	13,807	913		82	71	55.0	793	15,342	1,851
		Zone - 139	Block	396	6/17	81	65	72.0	55.0	793	13,807	913	7/17	82	71	55.0	793	15,342	1,851
		3- 3E-P-NE-CR	Peak	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,296	243
		Zone - 140	Peak	115		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,296	243
		Zone - 140	Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,296	243
		3- 3E-P-NE-OO	Peak	862	6/8	63	55	72.0	55.0	1,818	34,399	-22	7/8	69	63	55.0	1,816	54,707	1,822
		Zone - 141	Peak	862		63	55	72.0	55.0	1,818	34,399	-22		69	63	55.0	1,816	54,707	1,822
		Zone - 141	Block	862	6/8	63	55	72.0	55.0	1,818	34,399	-22	7/8	69	63	55.0	1,816	54,707	1,822
		3- 3E-P-NE-CN	Peak	57	6/8	63	55	72.0	55.0	121	2,295	-1	7/8	69	63	55.0	121	3,648	121

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry	Supply Dry	Space Air	Space Sensible	Space Latent	Peak Time Mo/Hr	OA Condition		Supply	Coil	Coil Sensible	Coil Latent	
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h	
	Zone - 142		Peak	57		63	55	72.0	55.0	121	2,295	-1		69	63	55.0	121	3,648	121
	Zone - 142		Block	57	6/8	63	55	72.0	55.0	121	2,295	-1	7/8	69	63	55.0	121	3,648	121
	3- 3E-P-SE-OO		Peak	2,278	9/10	62	54	72.0	55.0	5,468	103,443	1,786	9/10	62	54	55.0	5,468	163,094	1,786
	Zone - 143		Peak	2,278		62	54	72.0	55.0	5,468	103,443	1,786		62	54	55.0	5,468	163,094	1,786
	Zone - 143		Block	2,278	9/10	62	54	72.0	55.0	5,468	103,443	1,786	9/10	62	54	55.0	5,468	163,094	1,786
	3- 3E-P-NE-PO		Peak	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,296	243
	Zone - 144		Peak	115		63	55	72.0	55.0	243	4,589	-3		69	63	55.0	242	7,296	243
	Zone - 144		Block	115	6/8	63	55	72.0	55.0	243	4,589	-3	7/8	69	63	55.0	242	7,296	243
	3- 3E-P-SE-CR		Peak	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,746	238
	Zone - 145		Peak	304		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,746	238
	Zone - 145		Block	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,746	238
	3- 3E-P-SE-PO		Peak	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,746	238
	Zone - 146		Peak	304		62	54	72.0	55.0	729	13,792	238		62	54	55.0	729	21,746	238
	Zone - 146		Block	304	9/10	62	54	72.0	55.0	729	13,792	238	9/10	62	54	55.0	729	21,746	238
	3- 3E-P-SE-CN		Peak	152	9/10	62	54	72.0	55.0	365	6,899	119	9/10	62	54	55.0	365	10,875	119
	Zone - 147		Peak	152		62	54	72.0	55.0	365	6,899	119		62	54	55.0	365	10,875	119
	Zone - 147		Block	152	9/10	62	54	72.0	55.0	365	6,899	119	9/10	62	54	55.0	365	10,875	119
	3- 3W-P-S-CR		Peak	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 148		Peak	89		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 148		Block	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	3- 3W-P-S-OO		Peak	665	10/13	64	52	72.0	55.0	2,255	42,662	-4	10/13	64	52	55.0	2,255	57,526	-4
	Zone - 149		Peak	665		64	52	72.0	55.0	2,255	42,662	-4		64	52	55.0	2,255	57,526	-4
	Zone - 149		Block	665	10/13	64	52	72.0	55.0	2,255	42,662	-4	10/13	64	52	55.0	2,255	57,526	-4
	3- 3W-P-S-CN		Peak	44	10/13	64	52	72.0	55.0	150	2,844	0	10/13	64	52	55.0	150	3,835	0
	Zone - 150		Peak	44		64	52	72.0	55.0	150	2,844	0		64	52	55.0	150	3,835	0
	Zone - 150		Block	44	10/13	64	52	72.0	55.0	150	2,844	0	10/13	64	52	55.0	150	3,835	0
	3- 3W-P-S-PO		Peak	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	Zone - 151		Peak	89		64	52	72.0	55.0	301	5,688	0		64	52	55.0	301	7,670	0
	Zone - 151		Block	89	10/13	64	52	72.0	55.0	301	5,688	0	10/13	64	52	55.0	301	7,670	0
	3- 3W-P-SW-CR		Peak	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	Zone - 152		Peak	187		76	61	72.0	55.0	513	9,712	272		76	61	55.0	513	10,260	272
	Zone - 152		Block	187	9/15	76	61	72.0	55.0	513	9,712	272	9/15	76	61	55.0	513	10,260	272
	3- 3W-P-SW-OO		Peak	1,399	9/15	76	61	72.0	55.0	3,851	72,848	2,042	9/15	76	61	55.0	3,851	76,955	2,042
	Zone - 153		Peak	1,399		76	61	72.0	55.0	3,851	72,848	2,042		76	61	55.0	3,851	76,955	2,042
	Zone - 153		Block	1,399	9/15	76	61	72.0	55.0	3,851	72,848	2,042	9/15	76	61	55.0	3,851	76,955	2,042
<b>AHUs vav w/ rh</b>			<b>Peak</b>	<b>123,591</b>		<b>82</b>	<b>71</b>	<b>72.0</b>	<b>55.0</b>	<b>261,942</b>	<b>2,403,231</b>	<b>455,027</b>		<b>82</b>	<b>71</b>	<b>55.0</b>	<b>261,818</b>	<b>5,619,000</b>	<b>498,351</b>
<b>AHUs vav w/ rh</b>			<b>Block</b>	<b>123,591</b>	<b>7/17</b>	<b>82</b>	<b>71</b>	<b>72.0</b>	<b>55.0</b>	<b>248,684</b>	<b>4,704,666</b>	<b>577,191</b>	<b>7/17</b>	<b>82</b>	<b>71</b>	<b>55.0</b>	<b>248,684</b>	<b>4,985,251</b>	<b>577,191</b>



System	Zone	Room	Floor Area ft²	SPACE								COIL							
				Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F							DB °F	WB °F					
<b>Alternative 2</b>																			
		4- 4W-P-NW-OO	Peak	617	6/18	78	64	72.0	55.0	1,235	21,038	666	7/18	80	70	55.0	1,235	24,533	2,126
		Zone - 001	Peak	617		78	64	72.0	55.0	1,235	21,038	666		80	70	55.0	1,235	24,533	2,126
		Zone - 001	Block	617	6/18	78	64	72.0	55.0	1,235	21,038	666	7/18	80	70	55.0	1,235	24,533	2,126
		4- 4W-P-NW-MS	Peak	82	6/18	78	64	72.0	55.0	165	2,807	89	7/18	80	70	55.0	165	3,273	283
		Zone - 002	Peak	82		78	64	72.0	55.0	165	2,807	89		80	70	55.0	165	3,273	283
		Zone - 002	Block	82	6/18	78	64	72.0	55.0	165	2,807	89	7/18	80	70	55.0	165	3,273	283
		4- 4W-P-SW-OO	Peak	1,399	9/16	75	61	72.0	55.0	3,249	61,474	2,326	9/16	75	61	55.0	3,249	69,789	2,326
		Zone - 003	Peak	1,399		75	61	72.0	55.0	3,249	61,474	2,326		75	61	55.0	3,249	69,789	2,326
		Zone - 003	Block	1,399	9/16	75	61	72.0	55.0	3,249	61,474	2,326	9/16	75	61	55.0	3,249	69,789	2,326
		4- 4W-P-SW-L	Peak	280	9/16	75	61	72.0	55.0	650	12,294	465	9/16	75	61	55.0	650	13,957	465
		Zone - 004	Peak	280		75	61	72.0	55.0	650	12,294	465		75	61	55.0	650	13,957	465
		Zone - 004	Block	280	9/16	75	61	72.0	55.0	650	12,294	465	9/16	75	61	55.0	650	13,957	465
		4- 4W-P-SW-MS	Peak	187	9/16	75	61	72.0	55.0	433	8,196	310	9/16	75	61	55.0	433	9,305	310
		Zone - 005	Peak	187		75	61	72.0	55.0	433	8,196	310		75	61	55.0	433	9,305	310
		Zone - 005	Block	187	9/16	75	61	72.0	55.0	433	8,196	310	9/16	75	61	55.0	433	9,305	310
		4- 4W-P-S-OO	Peak	665	10/13	64	52	72.0	55.0	1,875	35,476	19	10/13	64	52	55.0	1,875	50,527	19
		Zone - 006	Peak	665		64	52	72.0	55.0	1,875	35,476	19		64	52	55.0	1,875	50,527	19
		Zone - 006	Block	665	10/13	64	52	72.0	55.0	1,875	35,476	19	10/13	64	52	55.0	1,875	50,527	19
		4- 4W-P-S-L	Peak	133	10/13	64	52	72.0	55.0	375	7,098	4	10/13	64	52	55.0	375	10,107	4
		Zone - 007	Peak	133		64	52	72.0	55.0	375	7,098	4		64	52	55.0	375	10,107	4
		Zone - 007	Block	133	10/13	64	52	72.0	55.0	375	7,098	4	10/13	64	52	55.0	375	10,107	4
		1W-P-SW-M	Peak	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		Zone - 008	Peak	187		76	61	72.0	55.0	447	8,464	279		76	61	55.0	447	9,385	279
		Zone - 008	Block	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		1W-P-SW-OO	Peak	560	9/15	76	61	72.0	55.0	1,342	25,393	836	9/15	76	61	55.0	1,342	28,155	836
		Zone - 009	Peak	560		76	61	72.0	55.0	1,342	25,393	836		76	61	55.0	1,342	28,155	836
		Zone - 009	Block	560	9/15	76	61	72.0	55.0	1,342	25,393	836	9/15	76	61	55.0	1,342	28,155	836
		1W-P-SW-S	Peak	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		Zone - 010	Peak	187		76	61	72.0	55.0	447	8,464	279		76	61	55.0	447	9,385	279
		Zone - 010	Block	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		1W-P-SW-L	Peak	466	9/15	76	61	72.0	55.0	1,119	21,161	697	9/15	76	61	55.0	1,119	23,463	697
		Zone - 011	Peak	466		76	61	72.0	55.0	1,119	21,161	697		76	61	55.0	1,119	23,463	697
		Zone - 011	Block	466	9/15	76	61	72.0	55.0	1,119	21,161	697	9/15	76	61	55.0	1,119	23,463	697
		1E-I-M	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,366	6,188	7/15	84	72	55.0	2,569	13,452	6,188
		Zone - 012	Peak	1,284		84	72	72.0	55.0	2,569	10,366	6,188		84	72	55.0	2,569	13,452	6,188
		Zone - 012	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,366	6,188	7/15	84	72	55.0	2,569	13,452	6,188
		1W-P-SW-R	Peak	280	9/15	76	61	72.0	55.0	671	12,696	418	9/15	76	61	55.0	671	14,078	418
		Zone - 014	Peak	280		76	61	72.0	55.0	671	12,696	418		76	61	55.0	671	14,078	418
		Zone - 014	Block	280	9/15	76	61	72.0	55.0	671	12,696	418	9/15	76	61	55.0	671	14,078	418
		1W-P-S-CN	Peak	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
		Zone - 015	Peak	89		64	52	72.0	55.0	252	4,766	3		64	52	55.0	252	6,980	3
		Zone - 015	Block	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3

			SPACE									COIL							
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F					DB °F		WB °F						
		1W-P-S-S	Peak	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
		Zone - 016	Peak	89		64	52	72.0	55.0	252	4,766	3		64	52	55.0	252	6,980	3
		Zone - 016	Block	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
		1W-P-S-M	Peak	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
		Zone - 017	Peak	89		64	52	72.0	55.0	252	4,766	3		64	52	55.0	252	6,980	3
		Zone - 017	Block	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
		1W-P-S-OO	Peak	266	10/13	64	52	72.0	55.0	756	14,297	8	10/13	64	52	55.0	756	20,941	8
		Zone - 018	Peak	266		64	52	72.0	55.0	756	14,297	8		64	52	55.0	756	20,941	8
		Zone - 018	Block	266	10/13	64	52	72.0	55.0	756	14,297	8	10/13	64	52	55.0	756	20,941	8
		1W-P-S-L	Peak	222	10/13	64	52	72.0	55.0	630	11,917	6	10/13	64	52	55.0	630	17,454	6
		Zone - 019	Peak	222		64	52	72.0	55.0	630	11,917	6		64	52	55.0	630	17,454	6
		Zone - 019	Block	222	10/13	64	52	72.0	55.0	630	11,917	6	10/13	64	52	55.0	630	17,454	6
		1W-P-S-R	Peak	133	10/13	64	52	72.0	55.0	378	7,151	4	10/13	64	52	55.0	378	10,473	4
		Zone - 020	Peak	133		64	52	72.0	55.0	378	7,151	4		64	52	55.0	378	10,473	4
		Zone - 020	Block	133	10/13	64	52	72.0	55.0	378	7,151	4	10/13	64	52	55.0	378	10,473	4
		1E-P-SE-CN	Peak	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		Zone - 021	Peak	304		62	54	72.0	55.0	622	11,764	248		62	54	55.0	622	20,039	248
		Zone - 021	Block	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		1E-P-SE-S	Peak	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		Zone - 022	Peak	304		62	54	72.0	55.0	622	11,764	248		62	54	55.0	622	20,039	248
		Zone - 022	Block	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		1E-P-SE-M	Peak	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		Zone - 023	Peak	304		62	54	72.0	55.0	622	11,764	248		62	54	55.0	622	20,039	248
		Zone - 023	Block	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		1E-P-SE-OO	Peak	911	9/10	62	54	72.0	55.0	1,865	35,292	745	9/10	62	54	55.0	1,865	60,116	745
		Zone - 024	Peak	911		62	54	72.0	55.0	1,865	35,292	745		62	54	55.0	1,865	60,116	745
		Zone - 024	Block	911	9/10	62	54	72.0	55.0	1,865	35,292	745	9/10	62	54	55.0	1,865	60,116	745
		1E-P-SE-R	Peak	456	9/10	62	54	72.0	55.0	933	17,648	373	9/10	62	54	55.0	933	30,060	373
		Zone - 025	Peak	456		62	54	72.0	55.0	933	17,648	373		62	54	55.0	933	30,060	373
		Zone - 025	Block	456	9/10	62	54	72.0	55.0	933	17,648	373	9/10	62	54	55.0	933	30,060	373
		1E-P-SE-L	Peak	759	9/10	62	54	72.0	55.0	1,555	29,412	621	9/10	62	54	55.0	1,555	50,099	621
		Zone - 026	Peak	759		62	54	72.0	55.0	1,555	29,412	621		62	54	55.0	1,555	50,099	621
		Zone - 026	Block	759	9/10	62	54	72.0	55.0	1,555	29,412	621	9/10	62	54	55.0	1,555	50,099	621
		1E-P-NE-CN	Peak	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
		Zone - 027	Peak	115		69	63	72.0	55.0	230	3,840	247		69	63	55.0	230	4,203	247
		Zone - 027	Block	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
		1E-P-NE-S	Peak	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
		Zone - 028	Peak	115		69	63	72.0	55.0	230	3,840	247		69	63	55.0	230	4,203	247
		Zone - 028	Block	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
		1E-P-NE-OO	Peak	345	7/8	69	63	72.0	55.0	689	11,517	740	7/8	69	63	55.0	689	12,604	740
		Zone - 029	Peak	345		69	63	72.0	55.0	689	11,517	740		69	63	55.0	689	12,604	740
		Zone - 029	Block	345	7/8	69	63	72.0	55.0	689	11,517	740	7/8	69	63	55.0	689	12,604	740
		1E-P-NE-L	Peak	287	7/8	69	63	72.0	55.0	575	9,597	617	7/8	69	63	55.0	575	10,503	617

			SPACE								COIL									
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h		
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h		
	Zone - 030	Peak	287			69	63	72.0	55.0	575	9,597	617			69	63	55.0	575	10,503	617
	Zone - 030	Block	287	7/8		69	63	72.0	55.0	575	9,597	617	7/8		69	63	55.0	575	10,503	617
	1E-P-NE-M	Peak	115	7/8		69	63	72.0	55.0	230	3,840	247	7/8		69	63	55.0	230	4,203	247
	Zone - 031	Peak	115			69	63	72.0	55.0	230	3,840	247			69	63	55.0	230	4,203	247
	Zone - 031	Block	115	7/8		69	63	72.0	55.0	230	3,840	247	7/8		69	63	55.0	230	4,203	247
	1E-P-NW-CN	Peak	397	6/17		81	65	72.0	55.0	793	12,310	928	7/17		82	71	55.0	793	13,471	1,866
	Zone - 032	Peak	397			81	65	72.0	55.0	793	12,310	928			82	71	55.0	793	13,471	1,866
	Zone - 032	Block	397	6/17		81	65	72.0	55.0	793	12,310	928	7/17		82	71	55.0	793	13,471	1,866
	1E-P-NE-R	Peak	172	6/17		81	65	72.0	55.0	390	7,375	403	7/17		82	71	55.0	375	7,664	811
	Zone - 033	Peak	172			81	65	72.0	55.0	390	7,375	403			82	71	55.0	375	7,664	811
	Zone - 033	Block	172	6/17		81	65	72.0	55.0	390	7,375	403	7/17		82	71	55.0	375	7,664	811
	1E-P-NW-S	Peak	397	6/17		81	65	72.0	55.0	793	12,310	928	7/17		82	71	55.0	793	13,471	1,866
	Zone - 034	Peak	397			81	65	72.0	55.0	793	12,310	928			82	71	55.0	793	13,471	1,866
	Zone - 034	Block	397	6/17		81	65	72.0	55.0	793	12,310	928	7/17		82	71	55.0	793	13,471	1,866
	4-4W-P-N-MS	Peak	86	7/15		84	72	72.0	55.0	173	1,082	416	7/15		84	72	55.0	173	1,564	416
	Zone - 035	Peak	86			84	72	72.0	55.0	173	1,082	416			84	72	55.0	173	1,564	416
	Zone - 035	Block	86	7/15		84	72	72.0	55.0	173	1,082	416	7/15		84	72	55.0	173	1,564	416
	4-4W-P-NW-L	Peak	123	6/18		78	64	72.0	55.0	247	4,208	133	7/18		80	70	55.0	247	4,907	425
	Zone - 036	Peak	123			78	64	72.0	55.0	247	4,208	133			80	70	55.0	247	4,907	425
	Zone - 036	Block	123	6/18		78	64	72.0	55.0	247	4,208	133	7/18		80	70	55.0	247	4,907	425
	4-4W-P-N-L	Peak	129	7/15		84	72	72.0	55.0	259	1,623	624	7/15		84	72	55.0	259	2,346	624
	Zone - 037	Peak	129			84	72	72.0	55.0	259	1,623	624			84	72	55.0	259	2,346	624
	Zone - 037	Block	129	7/15		84	72	72.0	55.0	259	1,623	624	7/15		84	72	55.0	259	2,346	624
	1W-I-R	Peak	771	7/15		84	72	72.0	55.0	1,543	6,226	3,717	7/15		84	72	55.0	1,543	8,080	3,717
	Zone - 038	Peak	771			84	72	72.0	55.0	1,543	6,226	3,717			84	72	55.0	1,543	8,080	3,717
	Zone - 038	Block	771	7/15		84	72	72.0	55.0	1,543	6,226	3,717	7/15		84	72	55.0	1,543	8,080	3,717
	1W-I-L	Peak	1,286	7/15		84	72	72.0	55.0	2,572	10,377	6,194	7/15		84	72	55.0	2,572	13,466	6,194
	Zone - 039	Peak	1,286			84	72	72.0	55.0	2,572	10,377	6,194			84	72	55.0	2,572	13,466	6,194
	Zone - 039	Block	1,286	7/15		84	72	72.0	55.0	2,572	10,377	6,194	7/15		84	72	55.0	2,572	13,466	6,194
	1E-I-CN	Peak	1,284	7/15		84	72	72.0	55.0	2,569	10,366	6,188	7/15		84	72	55.0	2,569	13,452	6,188
	Zone - 040	Peak	1,284			84	72	72.0	55.0	2,569	10,366	6,188			84	72	55.0	2,569	13,452	6,188
	Zone - 040	Block	1,284	7/15		84	72	72.0	55.0	2,569	10,366	6,188	7/15		84	72	55.0	2,569	13,452	6,188
	1E-I-OO	Peak	3,853	7/15		84	72	72.0	55.0	7,706	31,097	18,563	7/15		84	72	55.0	7,706	40,356	18,563
	Zone - 041	Peak	3,853			84	72	72.0	55.0	7,706	31,097	18,563			84	72	55.0	7,706	40,356	18,563
	Zone - 041	Block	3,853	7/15		84	72	72.0	55.0	7,706	31,097	18,563	7/15		84	72	55.0	7,706	40,356	18,563
	1E-I-S	Peak	1,284	7/15		84	72	72.0	55.0	2,569	10,366	6,188	7/15		84	72	55.0	2,569	13,452	6,188
	Zone - 042	Peak	1,284			84	72	72.0	55.0	2,569	10,366	6,188			84	72	55.0	2,569	13,452	6,188
	Zone - 042	Block	1,284	7/15		84	72	72.0	55.0	2,569	10,366	6,188	7/15		84	72	55.0	2,569	13,452	6,188
	1E-I-R	Peak	1,927	7/15		84	72	72.0	55.0	3,853	15,549	9,282	7/15		84	72	55.0	3,853	20,178	9,282
	Zone - 043	Peak	1,927			84	72	72.0	55.0	3,853	15,549	9,282			84	72	55.0	3,853	20,178	9,282
	Zone - 043	Block	1,927	7/15		84	72	72.0	55.0	3,853	15,549	9,282	7/15		84	72	55.0	3,853	20,178	9,282
	1E-I-L	Peak	3,211	7/15		84	72	72.0	55.0	6,422	25,914	15,470	7/15		84	72	55.0	6,422	33,630	15,470
	Zone - 044	Peak	3,211			84	72	72.0	55.0	6,422	25,914	15,470			84	72	55.0	6,422	33,630	15,470

			SPACE									COIL						
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	°F	cfm	Load Btu/h	Load Btu/h
	Zone - 044	Block	3,211	7/15	84	72	72.0	55.0	6,422	25,914	15,470	7/15	84	72	55.0	6,422	33,630	15,470
	4- 4W-P-S-MS	Peak	89	10/13	64	52	72.0	55.0	250	4,730	3	10/13	64	52	55.0	250	6,737	3
	Zone - 045	Peak	89		64	52	72.0	55.0	250	4,730	3		64	52	55.0	250	6,737	3
	Zone - 045	Block	89	10/13	64	52	72.0	55.0	250	4,730	3	10/13	64	52	55.0	250	6,737	3
	4- 4E-P-SE-OO	Peak	2,278	7/15	84	72	72.0	55.0	4,556	18,382	10,973	7/15	84	72	55.0	4,556	23,856	10,973
	Zone - 046	Peak	2,278		84	72	72.0	55.0	4,556	18,382	10,973		84	72	55.0	4,556	23,856	10,973
	Zone - 046	Block	2,278	7/15	84	72	72.0	55.0	4,556	18,382	10,973	7/15	84	72	55.0	4,556	23,856	10,973
	1W-P-SW-CN	Peak	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
	Zone - 047	Peak	187		76	61	72.0	55.0	447	8,464	279		76	61	55.0	447	9,385	279
	Zone - 047	Block	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
	1W-P-NW-R	Peak	123	6/17	81	65	72.0	55.0	247	4,455	289	7/17	82	71	55.0	247	4,837	581
	Zone - 048	Peak	123		81	65	72.0	55.0	247	4,455	289		82	71	55.0	247	4,837	581
	Zone - 048	Block	123	6/17	81	65	72.0	55.0	247	4,455	289	7/17	82	71	55.0	247	4,837	581
	1W-P-NW-L	Peak	206	6/17	81	65	72.0	55.0	412	7,423	481	7/17	82	71	55.0	412	8,060	968
	Zone - 049	Peak	206		81	65	72.0	55.0	412	7,423	481		82	71	55.0	412	8,060	968
	Zone - 049	Block	206	6/17	81	65	72.0	55.0	412	7,423	481	7/17	82	71	55.0	412	8,060	968
	4- 4E-P-SE-L	Peak	456	7/15	84	72	72.0	55.0	911	3,677	2,195	7/15	84	72	55.0	911	4,771	2,195
	Zone - 050	Peak	456		84	72	72.0	55.0	911	3,677	2,195		84	72	55.0	911	4,771	2,195
	Zone - 050	Block	456	7/15	84	72	72.0	55.0	911	3,677	2,195	7/15	84	72	55.0	911	4,771	2,195
	4- 4E-P-SE-MS	Peak	304	7/15	84	72	72.0	55.0	607	2,451	1,463	7/15	84	72	55.0	607	3,181	1,463
	Zone - 051	Peak	304		84	72	72.0	55.0	607	2,451	1,463		84	72	55.0	607	3,181	1,463
	Zone - 051	Block	304	7/15	84	72	72.0	55.0	607	2,451	1,463	7/15	84	72	55.0	607	3,181	1,463
	3- 3W-P-N-CR	Peak	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	Zone - 052	Peak	86		84	72	72.0	55.0	173	1,080	416		84	72	55.0	173	1,305	416
	Zone - 052	Block	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	3- 3W-P-N-PO	Peak	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	Zone - 053	Peak	86		84	72	72.0	55.0	173	1,080	416		84	72	55.0	173	1,305	416
	Zone - 053	Block	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	4- 4E-I-MS	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,366	6,188	7/15	84	72	55.0	2,569	13,452	6,188
	Zone - 054	Peak	1,284		84	72	72.0	55.0	2,569	10,366	6,188		84	72	55.0	2,569	13,452	6,188
	Zone - 054	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,366	6,188	7/15	84	72	55.0	2,569	13,452	6,188
	4- 4E-I-L	Peak	1,927	7/15	84	72	72.0	55.0	3,853	15,549	9,282	7/15	84	72	55.0	3,853	20,178	9,282
	Zone - 055	Peak	1,927		84	72	72.0	55.0	3,853	15,549	9,282		84	72	55.0	3,853	20,178	9,282
	Zone - 055	Block	1,927	7/15	84	72	72.0	55.0	3,853	15,549	9,282	7/15	84	72	55.0	3,853	20,178	9,282
	4- 4E-I-OO	Peak	9,633	7/15	84	72	72.0	55.0	19,266	77,743	46,409	7/15	84	72	55.0	19,266	100,890	46,409
	Zone - 056	Peak	9,633		84	72	72.0	55.0	19,266	77,743	46,409		84	72	55.0	19,266	100,890	46,409
	Zone - 056	Block	9,633	7/15	84	72	72.0	55.0	19,266	77,743	46,409	7/15	84	72	55.0	19,266	100,890	46,409
	4- 4W-I-L	Peak	771	7/15	84	72	72.0	55.0	1,543	6,213	3,717	7/15	84	72	55.0	1,543	10,367	3,717
	Zone - 057	Peak	771		84	72	72.0	55.0	1,543	6,213	3,717		84	72	55.0	1,543	10,367	3,717
	Zone - 057	Block	771	7/15	84	72	72.0	55.0	1,543	6,213	3,717	7/15	84	72	55.0	1,543	10,367	3,717
	4- 4W-I-MS	Peak	514	7/15	84	72	72.0	55.0	1,029	4,142	2,478	7/15	84	72	55.0	1,029	6,911	2,478
	Zone - 058	Peak	514		84	72	72.0	55.0	1,029	4,142	2,478		84	72	55.0	1,029	6,911	2,478
	Zone - 058	Block	514	7/15	84	72	72.0	55.0	1,029	4,142	2,478	7/15	84	72	55.0	1,029	6,911	2,478

			SPACE									COIL							
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry	Supply Dry	Space Air	Space Sensible	Space Latent	Peak Time Mo/Hr	OA Condition		Supply Dry	Coil Airflow	Coil Sensible	Coil Latent	
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h	
		4- 4W-I-OO	Peak	3,857	7/15	84	72	72.0	55.0	7,715	31,064	18,583	7/15	84	72	55.0	7,715	51,835	18,583
		Zone - 059	Peak	3,857		84	72	72.0	55.0	7,715	31,064	18,583		84	72	55.0	7,715	51,835	18,583
		Zone - 059	Block	3,857	7/15	84	72	72.0	55.0	7,715	31,064	18,583	7/15	84	72	55.0	7,715	51,835	18,583
		4- 4E-P-NW-L	Peak	594	7/15	84	72	72.0	55.0	1,189	4,797	2,864	7/15	84	72	55.0	1,189	6,226	2,864
		Zone - 060	Peak	594		84	72	72.0	55.0	1,189	4,797	2,864		84	72	55.0	1,189	6,226	2,864
		Zone - 060	Block	594	7/15	84	72	72.0	55.0	1,189	4,797	2,864	7/15	84	72	55.0	1,189	6,226	2,864
		4- 4E-P-NW-MS	Peak	396	7/15	84	72	72.0	55.0	793	3,198	1,909	7/15	84	72	55.0	793	4,151	1,909
		Zone - 061	Peak	396		84	72	72.0	55.0	793	3,198	1,909		84	72	55.0	793	4,151	1,909
		Zone - 061	Block	396	7/15	84	72	72.0	55.0	793	3,198	1,909	7/15	84	72	55.0	793	4,151	1,909
		4- 4E-P-W-OO	Peak	2,972	7/15	84	72	72.0	55.0	5,945	23,987	14,319	7/15	84	72	55.0	5,945	31,129	14,319
		Zone - 062	Peak	2,972		84	72	72.0	55.0	5,945	23,987	14,319		84	72	55.0	5,945	31,129	14,319
		Zone - 062	Block	2,972	7/15	84	72	72.0	55.0	5,945	23,987	14,319	7/15	84	72	55.0	5,945	31,129	14,319
		4- 4E-P-NE-MS	Peak	115	7/15	84	72	72.0	55.0	230	927	554	7/15	84	72	55.0	230	1,203	554
		Zone - 063	Peak	115		84	72	72.0	55.0	230	927	554		84	72	55.0	230	1,203	554
		Zone - 063	Block	115	7/15	84	72	72.0	55.0	230	927	554	7/15	84	72	55.0	230	1,203	554
		4- 4E-P-NE-L	Peak	172	7/15	84	72	72.0	55.0	345	1,391	830	7/15	84	72	55.0	345	1,805	830
		Zone - 064	Peak	172		84	72	72.0	55.0	345	1,391	830		84	72	55.0	345	1,805	830
		Zone - 064	Block	172	7/15	84	72	72.0	55.0	345	1,391	830	7/15	84	72	55.0	345	1,805	830
		4- 4E-P-NE-00	Peak	862	7/15	84	72	72.0	55.0	1,724	6,955	4,152	7/15	84	72	55.0	1,724	9,025	4,152
		Zone - 065	Peak	862		84	72	72.0	55.0	1,724	6,955	4,152		84	72	55.0	1,724	9,025	4,152
		Zone - 065	Block	862	7/15	84	72	72.0	55.0	1,724	6,955	4,152	7/15	84	72	55.0	1,724	9,025	4,152
		3- 3W-P-N-CN	Peak	43	7/15	84	72	72.0	55.0	86	540	208	7/15	84	72	55.0	86	652	208
		Zone - 066	Peak	43		84	72	72.0	55.0	86	540	208		84	72	55.0	86	652	208
		Zone - 066	Block	43	7/15	84	72	72.0	55.0	86	540	208	7/15	84	72	55.0	86	652	208
		3- 3W-P-N-OO	Peak	647	7/15	84	72	72.0	55.0	1,295	8,102	3,118	7/15	84	72	55.0	1,295	9,787	3,118
		Zone - 067	Peak	647		84	72	72.0	55.0	1,295	8,102	3,118		84	72	55.0	1,295	9,787	3,118
		Zone - 067	Block	647	7/15	84	72	72.0	55.0	1,295	8,102	3,118	7/15	84	72	55.0	1,295	9,787	3,118
		3- 3W-P-NW-CN	Peak	41	6/17	81	65	72.0	55.0	82	1,484	96	7/17	82	71	55.0	82	1,611	194
		Zone - 068	Peak	41		81	65	72.0	55.0	82	1,484	96		82	71	55.0	82	1,611	194
		Zone - 068	Block	41	6/17	81	65	72.0	55.0	82	1,484	96	7/17	82	71	55.0	82	1,611	194
		3- 3W-P-NW-CR	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		Zone - 069	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
		Zone - 069	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		3- 3W-P-SW-PO	Peak	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		Zone - 070	Peak	187		76	61	72.0	55.0	447	8,464	279		76	61	55.0	447	9,385	279
		Zone - 070	Block	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		3- 3W-P-NW-PO	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		Zone - 071	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
		Zone - 071	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		3- 3W-P-NW-OO	Peak	617	6/17	81	65	72.0	55.0	1,235	22,271	1,444	7/17	82	71	55.0	1,235	24,184	2,904
		Zone - 072	Peak	617		81	65	72.0	55.0	1,235	22,271	1,444		82	71	55.0	1,235	24,184	2,904
		Zone - 072	Block	617	6/17	81	65	72.0	55.0	1,235	22,271	1,444	7/17	82	71	55.0	1,235	24,184	2,904
		3- 3W-P-SW-CN	Peak	93	9/15	76	61	72.0	55.0	224	4,232	139	9/15	76	61	55.0	224	4,693	139

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h	
	Zone - 073		Peak	93		76	61	72.0	55.0	224	4,232	139		76	61	55.0	224	4,693	139
	Zone - 073		Block	93	9/15	76	61	72.0	55.0	224	4,232	139	9/15	76	61	55.0	224	4,693	139
		2- 2W-P-S-OO	Peak	665	10/13	64	52	72.0	55.0	1,889	35,741	19	10/13	64	52	55.0	1,889	52,353	19
	Zone - 074		Peak	665		64	52	72.0	55.0	1,889	35,741	19		64	52	55.0	1,889	52,353	19
	Zone - 074		Block	665	10/13	64	52	72.0	55.0	1,889	35,741	19	10/13	64	52	55.0	1,889	52,353	19
		2- 2W-P-S-CN	Peak	44	10/13	64	52	72.0	55.0	126	2,383	1	10/13	64	52	55.0	126	3,490	1
	Zone - 075		Peak	44		64	52	72.0	55.0	126	2,383	1		64	52	55.0	126	3,490	1
	Zone - 075		Block	44	10/13	64	52	72.0	55.0	126	2,383	1	10/13	64	52	55.0	126	3,490	1
		2- 2E-P-SE-CN	Peak	152	9/10	62	54	72.0	55.0	311	5,884	124	9/10	62	54	55.0	311	10,022	124
	Zone - 076		Peak	152		62	54	72.0	55.0	311	5,884	124		62	54	55.0	311	10,022	124
	Zone - 076		Block	152	9/10	62	54	72.0	55.0	311	5,884	124	9/10	62	54	55.0	311	10,022	124
		2- 2E-P-SE-PO	Peak	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
	Zone - 077		Peak	304		62	54	72.0	55.0	622	11,764	248		62	54	55.0	622	20,039	248
	Zone - 077		Block	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		2- 2W-P-S-CR	Peak	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
	Zone - 078		Peak	89		64	52	72.0	55.0	252	4,766	3		64	52	55.0	252	6,980	3
	Zone - 078		Block	89	10/13	64	52	72.0	55.0	252	4,766	3	10/13	64	52	55.0	252	6,980	3
		2- 2E-P-SE-CR	Peak	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
	Zone - 079		Peak	304		62	54	72.0	55.0	622	11,764	248		62	54	55.0	622	20,039	248
	Zone - 079		Block	304	9/10	62	54	72.0	55.0	622	11,764	248	9/10	62	54	55.0	622	20,039	248
		2- 2E-P-NE-PO	Peak	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
	Zone - 080		Peak	115		69	63	72.0	55.0	230	3,840	247		69	63	55.0	230	4,203	247
	Zone - 080		Block	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
		2- 2E-P-SE-OO	Peak	2,278	9/10	62	54	72.0	55.0	4,664	88,231	1,863	9/10	62	54	55.0	4,664	150,293	1,863
	Zone - 081		Peak	2,278		62	54	72.0	55.0	4,664	88,231	1,863		62	54	55.0	4,664	150,293	1,863
	Zone - 081		Block	2,278	9/10	62	54	72.0	55.0	4,664	88,231	1,863	9/10	62	54	55.0	4,664	150,293	1,863
		2- 2E-P-NE-OO	Peak	862	7/8	69	63	72.0	55.0	1,724	28,786	1,851	7/8	69	63	55.0	1,724	31,504	1,851
	Zone - 082		Peak	862		69	63	72.0	55.0	1,724	28,786	1,851		69	63	55.0	1,724	31,504	1,851
	Zone - 082		Block	862	7/8	69	63	72.0	55.0	1,724	28,786	1,851	7/8	69	63	55.0	1,724	31,504	1,851
		2- 2E-P-NE-CR	Peak	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
	Zone - 083		Peak	115		69	63	72.0	55.0	230	3,840	247		69	63	55.0	230	4,203	247
	Zone - 083		Block	115	7/8	69	63	72.0	55.0	230	3,840	247	7/8	69	63	55.0	230	4,203	247
		2- 2E-P-NW-PO	Peak	396	6/17	81	65	72.0	55.0	793	12,308	927	7/17	82	71	55.0	793	13,468	1,864
	Zone - 084		Peak	396		81	65	72.0	55.0	793	12,308	927		82	71	55.0	793	13,468	1,864
	Zone - 084		Block	396	6/17	81	65	72.0	55.0	793	12,308	927	7/17	82	71	55.0	793	13,468	1,864
		2- 2E-P-NW-CR	Peak	396	6/17	81	65	72.0	55.0	793	12,308	927	7/17	82	71	55.0	793	13,468	1,864
	Zone - 085		Peak	396		81	65	72.0	55.0	793	12,308	927		82	71	55.0	793	13,468	1,864
	Zone - 085		Block	396	6/17	81	65	72.0	55.0	793	12,308	927	7/17	82	71	55.0	793	13,468	1,864
		2- 2E-P-NE-CN	Peak	57	7/8	69	63	72.0	55.0	115	1,920	123	7/8	69	63	55.0	115	2,101	123
	Zone - 086		Peak	57		69	63	72.0	55.0	115	1,920	123		69	63	55.0	115	2,101	123
	Zone - 086		Block	57	7/8	69	63	72.0	55.0	115	1,920	123	7/8	69	63	55.0	115	2,101	123
		2- 2E-P-NW-CN	Peak	198	6/17	81	65	72.0	55.0	396	6,154	463	7/17	82	71	55.0	396	6,734	932
	Zone - 087		Peak	198		81	65	72.0	55.0	396	6,154	463		82	71	55.0	396	6,734	932

System	Zone	Room	Floor Area ft²	SPACE							COIL							
				Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h
					DB °F	WB °F							DB °F	WB °F				
	Zone - 087	Block	198	6/17	81	65	72.0	55.0	396	6,154	463	7/17	82	71	55.0	396	6,734	932
	2- 2E-P-NW-OO	Peak	2,972	6/17	81	65	72.0	55.0	5,945	92,310	6,952	7/17	82	71	55.0	5,945	101,012	13,982
	Zone - 088	Peak	2,972		81	65	72.0	55.0	5,945	92,310	6,952		82	71	55.0	5,945	101,012	13,982
	Zone - 088	Block	2,972	6/17	81	65	72.0	55.0	5,945	92,310	6,952	7/17	82	71	55.0	5,945	101,012	13,982
	2- 2W-I-SM	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	Zone - 089	Peak	1,029		84	72	72.0	55.0	2,057	8,301	4,955		84	72	55.0	2,057	10,773	4,955
	Zone - 089	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	2- 2W-I-CN	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	Zone - 090	Peak	1,029		84	72	72.0	55.0	2,057	8,301	4,955		84	72	55.0	2,057	10,773	4,955
	Zone - 090	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	2- 2W-I-CR	Peak	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
	Zone - 091	Peak	514		84	72	72.0	55.0	1,029	4,151	2,478		84	72	55.0	1,029	5,386	2,478
	Zone - 091	Block	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
	2- 2E-I-SM	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,731	12,376	7/15	84	72	55.0	5,138	26,904	12,376
	Zone - 092	Peak	2,569		84	72	72.0	55.0	5,138	20,731	12,376		84	72	55.0	5,138	26,904	12,376
	Zone - 092	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,731	12,376	7/15	84	72	55.0	5,138	26,904	12,376
	1W-P-NW-M	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
	Zone - 093	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
	Zone - 093	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
	2- 2E-I-CR	Peak	1,284	7/15	84	72	72.0	55.0	2,569	10,366	6,188	7/15	84	72	55.0	2,569	13,452	6,188
	Zone - 094	Peak	1,284		84	72	72.0	55.0	2,569	10,366	6,188		84	72	55.0	2,569	13,452	6,188
	Zone - 094	Block	1,284	7/15	84	72	72.0	55.0	2,569	10,366	6,188	7/15	84	72	55.0	2,569	13,452	6,188
	2- 2W-I-OO	Peak	2,572	7/15	84	72	72.0	55.0	5,143	20,753	12,389	7/15	84	72	55.0	5,143	26,932	12,389
	Zone - 095	Peak	2,572		84	72	72.0	55.0	5,143	20,753	12,389		84	72	55.0	5,143	26,932	12,389
	Zone - 095	Block	2,572	7/15	84	72	72.0	55.0	5,143	20,753	12,389	7/15	84	72	55.0	5,143	26,932	12,389
	2- 2E-I-OO	Peak	6,422	7/15	84	72	72.0	55.0	12,844	51,828	30,939	7/15	84	72	55.0	12,844	67,260	30,939
	Zone - 096	Peak	6,422		84	72	72.0	55.0	12,844	51,828	30,939		84	72	55.0	12,844	67,260	30,939
	Zone - 096	Block	6,422	7/15	84	72	72.0	55.0	12,844	51,828	30,939	7/15	84	72	55.0	12,844	67,260	30,939
	1W-P-N-CN	Peak	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	Zone - 097	Peak	86		84	72	72.0	55.0	173	1,080	416		84	72	55.0	173	1,305	416
	Zone - 097	Block	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	1W-P-N-S	Peak	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	Zone - 098	Peak	86		84	72	72.0	55.0	173	1,080	416		84	72	55.0	173	1,305	416
	Zone - 098	Block	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	1W-P-N-OO	Peak	259	7/15	84	72	72.0	55.0	518	3,241	1,247	7/15	84	72	55.0	518	3,915	1,247
	Zone - 099	Peak	259		84	72	72.0	55.0	518	3,241	1,247		84	72	55.0	518	3,915	1,247
	Zone - 099	Block	259	7/15	84	72	72.0	55.0	518	3,241	1,247	7/15	84	72	55.0	518	3,915	1,247
	1W-P-N-M	Peak	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	Zone - 100	Peak	86		84	72	72.0	55.0	173	1,080	416		84	72	55.0	173	1,305	416
	Zone - 100	Block	86	7/15	84	72	72.0	55.0	173	1,080	416	7/15	84	72	55.0	173	1,305	416
	1W-P-N-L	Peak	2,158	7/15	84	72	72.0	55.0	4,315	18,371	10,394	7/15	84	72	55.0	4,315	23,599	10,394
	Zone - 101	Peak	2,158		84	72	72.0	55.0	4,315	18,371	10,394		84	72	55.0	4,315	23,599	10,394
	Zone - 101	Block	2,158	7/15	84	72	72.0	55.0	4,315	18,371	10,394	7/15	84	72	55.0	4,315	23,599	10,394

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	°F	cfm	Load Btu/h	Load Btu/h	
		1W-P-N-R	Peak	129	7/15	84	72	72.0	55.0	259	1,620	624	7/15	84	72	55.0	259	1,957	624
		Zone - 102	Peak	129		84	72	72.0	55.0	259	1,620	624		84	72	55.0	259	1,957	624
		Zone - 102	Block	129	7/15	84	72	72.0	55.0	259	1,620	624	7/15	84	72	55.0	259	1,957	624
		1W-P-NW-CN	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		Zone - 103	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
		Zone - 103	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		1W-P-NW-S	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		Zone - 104	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
		Zone - 104	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		1W-P-NW-OO	Peak	247	6/17	81	65	72.0	55.0	494	8,910	577	7/17	82	71	55.0	494	9,675	1,161
		Zone - 105	Peak	247		81	65	72.0	55.0	494	8,910	577		82	71	55.0	494	9,675	1,161
		Zone - 105	Block	247	6/17	81	65	72.0	55.0	494	8,910	577	7/17	82	71	55.0	494	9,675	1,161
		2- 2E-I-CN	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,731	12,376	7/15	84	72	55.0	5,138	26,904	12,376
		Zone - 106	Peak	2,569		84	72	72.0	55.0	5,138	20,731	12,376		84	72	55.0	5,138	26,904	12,376
		Zone - 106	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,731	12,376	7/15	84	72	55.0	5,138	26,904	12,376
		2- 2W-P-SW-CN	Peak	93	9/15	76	61	72.0	55.0	224	4,232	139	9/15	76	61	55.0	224	4,693	139
		Zone - 107	Peak	93		76	61	72.0	55.0	224	4,232	139		76	61	55.0	224	4,693	139
		Zone - 107	Block	93	9/15	76	61	72.0	55.0	224	4,232	139	9/15	76	61	55.0	224	4,693	139
		2- 2W-P-NW-OO	Peak	617	6/17	81	65	72.0	55.0	1,235	22,271	1,444	7/17	82	71	55.0	1,235	24,184	2,904
		Zone - 108	Peak	617		81	65	72.0	55.0	1,235	22,271	1,444		82	71	55.0	1,235	24,184	2,904
		Zone - 108	Block	617	6/17	81	65	72.0	55.0	1,235	22,271	1,444	7/17	82	71	55.0	1,235	24,184	2,904
		2- 2W-P-SW-PO	Peak	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		Zone - 109	Peak	187		76	61	72.0	55.0	447	8,464	279		76	61	55.0	447	9,385	279
		Zone - 109	Block	187	9/15	76	61	72.0	55.0	447	8,464	279	9/15	76	61	55.0	447	9,385	279
		2- 2W-P-NW-CR	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		Zone - 110	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
		Zone - 110	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		2- 2W-P-NW-PO	Peak	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		Zone - 111	Peak	82		81	65	72.0	55.0	165	2,971	192		82	71	55.0	165	3,226	387
		Zone - 111	Block	82	6/17	81	65	72.0	55.0	165	2,971	192	7/17	82	71	55.0	165	3,226	387
		2- 2W-P-NW-CN	Peak	41	6/17	81	65	72.0	55.0	82	1,484	96	7/17	82	71	55.0	82	1,611	194
		Zone - 112	Peak	41		81	65	72.0	55.0	82	1,484	96		82	71	55.0	82	1,611	194
		Zone - 112	Block	41	6/17	81	65	72.0	55.0	82	1,484	96	7/17	82	71	55.0	82	1,611	194
		1W-I-M	Peak	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
		Zone - 113	Peak	514		84	72	72.0	55.0	1,029	4,151	2,478		84	72	55.0	1,029	5,386	2,478
		Zone - 113	Block	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
		1W-I-OO	Peak	1,543	7/15	84	72	72.0	55.0	3,086	12,452	7,433	7/15	84	72	55.0	3,086	16,159	7,433
		Zone - 114	Peak	1,543		84	72	72.0	55.0	3,086	12,452	7,433		84	72	55.0	3,086	16,159	7,433
		Zone - 114	Block	1,543	7/15	84	72	72.0	55.0	3,086	12,452	7,433	7/15	84	72	55.0	3,086	16,159	7,433
		1W-I-S	Peak	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
		Zone - 115	Peak	514		84	72	72.0	55.0	1,029	4,151	2,478		84	72	55.0	1,029	5,386	2,478
		Zone - 115	Block	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
		1W-I-CN	Peak	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478



			SPACE								COIL										
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h			
					DB °F	WB °F					DB °F		WB °F								
	Zone - 116	Peak	514			84	72	72.0	55.0	1,029	4,151	2,478			84	72	72.0	55.0	1,029	4,151	2,478
	Zone - 116	Block	514	7/15		84	72	72.0	55.0	1,029	4,151	2,478	7/15		84	72	72.0	55.0	1,029	4,151	2,478
	1E-P-NW-R	Peak	594	6/17		81	65	72.0	55.0	1,189	18,462	1,390	7/17		82	71	72.0	55.0	1,189	18,462	1,390
	Zone - 117	Peak	594			81	65	72.0	55.0	1,189	18,462	1,390			82	71	72.0	55.0	1,189	18,462	1,390
	Zone - 117	Block	594	6/17		81	65	72.0	55.0	1,189	18,462	1,390	7/17		82	71	72.0	55.0	1,189	18,462	1,390
	1E-P-NW-L	Peak	991	6/17		81	65	72.0	55.0	1,982	30,770	2,317	7/17		82	71	72.0	55.0	1,982	30,770	2,317
	Zone - 118	Peak	991			81	65	72.0	55.0	1,982	30,770	2,317			82	71	72.0	55.0	1,982	30,770	2,317
	Zone - 118	Block	991	6/17		81	65	72.0	55.0	1,982	30,770	2,317	7/17		82	71	72.0	55.0	1,982	30,770	2,317
	1E-P-NW-M	Peak	397	6/17		81	65	72.0	55.0	793	12,310	928	7/17		82	71	72.0	55.0	793	12,310	928
	Zone - 119	Peak	397			81	65	72.0	55.0	793	12,310	928			82	71	72.0	55.0	793	12,310	928
	Zone - 119	Block	397	6/17		81	65	72.0	55.0	793	12,310	928	7/17		82	71	72.0	55.0	793	12,310	928
	1E-P-NW-OO	Peak	1,189	6/17		81	65	72.0	55.0	2,378	36,924	2,781	7/17		82	71	72.0	55.0	2,378	36,924	2,781
	Zone - 120	Peak	1,189			81	65	72.0	55.0	2,378	36,924	2,781			82	71	72.0	55.0	2,378	36,924	2,781
	Zone - 120	Block	1,189	6/17		81	65	72.0	55.0	2,378	36,924	2,781	7/17		82	71	72.0	55.0	2,378	36,924	2,781
	2- 2W-P-S-PO	Peak	89	10/13		64	52	72.0	55.0	252	4,766	3	10/13		64	52	72.0	55.0	252	4,766	3
	Zone - 121	Peak	89			64	52	72.0	55.0	252	4,766	3			64	52	72.0	55.0	252	4,766	3
	Zone - 121	Block	89	10/13		64	52	72.0	55.0	252	4,766	3	10/13		64	52	72.0	55.0	252	4,766	3
	2- 2W-P-SW-CR	Peak	187	9/15		76	61	72.0	55.0	447	8,464	279	9/15		76	61	72.0	55.0	447	8,464	279
	Zone - 122	Peak	187			76	61	72.0	55.0	447	8,464	279			76	61	72.0	55.0	447	8,464	279
	Zone - 122	Block	187	9/15		76	61	72.0	55.0	447	8,464	279	9/15		76	61	72.0	55.0	447	8,464	279
	2- 2W-P-SW-OO	Peak	1,399	9/15		76	61	72.0	55.0	3,356	63,487	2,090	9/15		76	61	72.0	55.0	3,356	63,487	2,090
	Zone - 123	Peak	1,399			76	61	72.0	55.0	3,356	63,487	2,090			76	61	72.0	55.0	3,356	63,487	2,090
	Zone - 123	Block	1,399	9/15		76	61	72.0	55.0	3,356	63,487	2,090	9/15		76	61	72.0	55.0	3,356	63,487	2,090
	2- 2W-P-N-OO	Peak	647	7/15		84	72	72.0	55.0	1,295	8,102	3,118	7/15		84	72	72.0	55.0	1,295	8,102	3,118
	Zone - 124	Peak	647			84	72	72.0	55.0	1,295	8,102	3,118			84	72	72.0	55.0	1,295	8,102	3,118
	Zone - 124	Block	647	7/15		84	72	72.0	55.0	1,295	8,102	3,118	7/15		84	72	72.0	55.0	1,295	8,102	3,118
	2- 2W-P-N-CN	Peak	43	7/15		84	72	72.0	55.0	86	540	208	7/15		84	72	72.0	55.0	86	540	208
	Zone - 125	Peak	43			84	72	72.0	55.0	86	540	208			84	72	72.0	55.0	86	540	208
	Zone - 125	Block	43	7/15		84	72	72.0	55.0	86	540	208	7/15		84	72	72.0	55.0	86	540	208
	2- 2W-P-N-CR	Peak	86	7/15		84	72	72.0	55.0	173	1,080	416	7/15		84	72	72.0	55.0	173	1,080	416
	Zone - 126	Peak	86			84	72	72.0	55.0	173	1,080	416			84	72	72.0	55.0	173	1,080	416
	Zone - 126	Block	86	7/15		84	72	72.0	55.0	173	1,080	416	7/15		84	72	72.0	55.0	173	1,080	416
	2- 2W-P-N-PO	Peak	86	7/15		84	72	72.0	55.0	173	1,080	416	7/15		84	72	72.0	55.0	173	1,080	416
	Zone - 127	Peak	86			84	72	72.0	55.0	173	1,080	416			84	72	72.0	55.0	173	1,080	416
	Zone - 127	Block	86	7/15		84	72	72.0	55.0	173	1,080	416	7/15		84	72	72.0	55.0	173	1,080	416
	3- 3E-I-OO	Peak	6,422	7/15		84	72	72.0	55.0	12,844	51,719	30,939	7/15		84	72	72.0	55.0	12,844	51,719	30,939
	Zone - 128	Peak	6,422			84	72	72.0	55.0	12,844	51,719	30,939			84	72	72.0	55.0	12,844	51,719	30,939
	Zone - 128	Block	6,422	7/15		84	72	72.0	55.0	12,844	51,719	30,939	7/15		84	72	72.0	55.0	12,844	51,719	30,939
	3- 3E-I-CR	Peak	1,284	7/15		84	72	72.0	55.0	2,569	10,344	6,188	7/15		84	72	72.0	55.0	2,569	10,344	6,188
	Zone - 129	Peak	1,284			84	72	72.0	55.0	2,569	10,344	6,188			84	72	72.0	55.0	2,569	10,344	6,188
	Zone - 129	Block	1,284	7/15		84	72	72.0	55.0	2,569	10,344	6,188	7/15		84	72	72.0	55.0	2,569	10,344	6,188
	3- 3E-I-CN	Peak	2,569	7/15		84	72	72.0	55.0	5,138	20,688	12,376	7/15		84	72	72.0	55.0	5,138	20,688	12,376
	Zone - 130	Peak	2,569			84	72	72.0	55.0	5,138	20,688	12,376			84	72	72.0	55.0	5,138	20,688	12,376

			SPACE									COIL						
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry	Supply Dry	Space Air	Space Sensible	Space Latent	Peak Time Mo/Hr	OA Condition		Supply Dry	Coil Airflow	Coil Sensible	Coil Latent
					DB °F	WB °F	Bulb °F	Bulb °F	Flow cfm	Load Btu/h	Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Load Btu/h	Load Btu/h
	Zone - 130	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,688	12,376	7/15	84	72	55.0	5,138	34,521	12,376
	3- 3E-I-SM	Peak	2,569	7/15	84	72	72.0	55.0	5,138	20,688	12,376	7/15	84	72	55.0	5,138	34,521	12,376
	Zone - 131	Peak	2,569		84	72	72.0	55.0	5,138	20,688	12,376		84	72	55.0	5,138	34,521	12,376
	Zone - 131	Block	2,569	7/15	84	72	72.0	55.0	5,138	20,688	12,376	7/15	84	72	55.0	5,138	34,521	12,376
	3- 3W-I-OO	Peak	2,572	7/15	84	72	72.0	55.0	5,143	20,753	12,389	7/15	84	72	55.0	5,143	26,932	12,389
	Zone - 132	Peak	2,572		84	72	72.0	55.0	5,143	20,753	12,389		84	72	55.0	5,143	26,932	12,389
	Zone - 132	Block	2,572	7/15	84	72	72.0	55.0	5,143	20,753	12,389	7/15	84	72	55.0	5,143	26,932	12,389
	3- 3W-I-CR	Peak	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
	Zone - 133	Peak	514		84	72	72.0	55.0	1,029	4,151	2,478		84	72	55.0	1,029	5,386	2,478
	Zone - 133	Block	514	7/15	84	72	72.0	55.0	1,029	4,151	2,478	7/15	84	72	55.0	1,029	5,386	2,478
	3- 3W-I-CN	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	Zone - 134	Peak	1,029		84	72	72.0	55.0	2,057	8,301	4,955		84	72	55.0	2,057	10,773	4,955
	Zone - 134	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	3- 3W-I-SM	Peak	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	Zone - 135	Peak	1,029		84	72	72.0	55.0	2,057	8,301	4,955		84	72	55.0	2,057	10,773	4,955
	Zone - 135	Block	1,029	7/15	84	72	72.0	55.0	2,057	8,301	4,955	7/15	84	72	55.0	2,057	10,773	4,955
	3- 3E-P-NW-OO	Peak	2,972	6/18	78	64	72.0	55.0	5,945	86,097	3,205	7/17	82	71	55.0	5,945	102,993	13,982
	Zone - 136	Peak	2,972		78	64	72.0	55.0	5,945	86,097	3,205		82	71	55.0	5,945	102,993	13,982
	Zone - 136	Block	2,972	6/18	78	64	72.0	55.0	5,945	86,097	3,205	7/17	82	71	55.0	5,945	102,993	13,982
	3- 3E-P-NW-CN	Peak	198	6/18	78	64	72.0	55.0	396	5,740	214	7/17	82	71	55.0	396	6,866	932
	Zone - 137	Peak	198		78	64	72.0	55.0	396	5,740	214		82	71	55.0	396	6,866	932
	Zone - 137	Block	198	6/18	78	64	72.0	55.0	396	5,740	214	7/17	82	71	55.0	396	6,866	932
	3- 3E-P-NW-CR	Peak	396	6/18	78	64	72.0	55.0	793	11,480	427	7/17	82	71	55.0	793	13,732	1,864
	Zone - 138	Peak	396		78	64	72.0	55.0	793	11,480	427		82	71	55.0	793	13,732	1,864
	Zone - 138	Block	396	6/18	78	64	72.0	55.0	793	11,480	427	7/17	82	71	55.0	793	13,732	1,864
	3- 3E-P-NW-PO	Peak	396	6/18	78	64	72.0	55.0	793	11,480	427	7/17	82	71	55.0	793	13,732	1,864
	Zone - 139	Peak	396		78	64	72.0	55.0	793	11,480	427		82	71	55.0	793	13,732	1,864
	Zone - 139	Block	396	6/18	78	64	72.0	55.0	793	11,480	427	7/17	82	71	55.0	793	13,732	1,864
	3- 3E-P-NE-CR	Peak	115	7/9	71	64	72.0	55.0	230	3,823	359	7/9	71	64	55.0	230	4,234	359
	Zone - 140	Peak	115		71	64	72.0	55.0	230	3,823	359		71	64	55.0	230	4,234	359
	Zone - 140	Block	115	7/9	71	64	72.0	55.0	230	3,823	359	7/9	71	64	55.0	230	4,234	359
	3- 3E-P-NE-OO	Peak	862	7/9	71	64	72.0	55.0	1,724	28,659	2,695	7/9	71	64	55.0	1,724	31,743	2,695
	Zone - 141	Peak	862		71	64	72.0	55.0	1,724	28,659	2,695		71	64	55.0	1,724	31,743	2,695
	Zone - 141	Block	862	7/9	71	64	72.0	55.0	1,724	28,659	2,695	7/9	71	64	55.0	1,724	31,743	2,695
	3- 3E-P-NE-CN	Peak	57	7/9	71	64	72.0	55.0	115	1,912	180	7/9	71	64	55.0	115	2,117	180
	Zone - 142	Peak	57		71	64	72.0	55.0	115	1,912	180		71	64	55.0	115	2,117	180
	Zone - 142	Block	57	7/9	71	64	72.0	55.0	115	1,912	180	7/9	71	64	55.0	115	2,117	180
	3- 3E-P-SE-OO	Peak	2,278	9/11	66	56	72.0	55.0	4,660	88,164	2,248	9/11	66	56	55.0	4,660	150,304	2,248
	Zone - 143	Peak	2,278		66	56	72.0	55.0	4,660	88,164	2,248		66	56	55.0	4,660	150,304	2,248
	Zone - 143	Block	2,278	9/11	66	56	72.0	55.0	4,660	88,164	2,248	9/11	66	56	55.0	4,660	150,304	2,248
	3- 3E-P-NE-PO	Peak	115	7/9	71	64	72.0	55.0	230	3,823	359	7/9	71	64	55.0	230	4,234	359
	Zone - 144	Peak	115		71	64	72.0	55.0	230	3,823	359		71	64	55.0	230	4,234	359
	Zone - 144	Block	115	7/9	71	64	72.0	55.0	230	3,823	359	7/9	71	64	55.0	230	4,234	359

			SPACE									COIL							
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room	Supply	Space	Space	Space	Peak Time Mo/Hr	OA Condition		Supply	Coil	Coil	Coil	
					DB °F	WB °F	Dry Bulb °F	Dry Bulb °F	Air Flow cfm	Sensible Load Btu/h	Latent Load Btu/h		DB °F	WB °F	Dry Bulb °F	Airflow cfm	Sensible Load Btu/h	Latent Load Btu/h	
		3- 3E-P-SE-CR	Peak	304	9/11	66	56	72.0	55.0	621	11,755	300	9 /11	66	56	55.0	621	20,040	300
		Zone - 145	Peak	304		66	56	72.0	55.0	621	11,755	300		66	56	55.0	621	20,040	300
		Zone - 145	Block	304	9/11	66	56	72.0	55.0	621	11,755	300	9 /11	66	56	55.0	621	20,040	300
		3- 3E-P-SE-PO	Peak	304	9/11	66	56	72.0	55.0	621	11,755	300	9 /11	66	56	55.0	621	20,040	300
		Zone - 146	Peak	304		66	56	72.0	55.0	621	11,755	300		66	56	55.0	621	20,040	300
		Zone - 146	Block	304	9/11	66	56	72.0	55.0	621	11,755	300	9 /11	66	56	55.0	621	20,040	300
		3- 3E-P-SE-CN	Peak	152	9/11	66	56	72.0	55.0	311	5,880	150	9 /11	66	56	55.0	311	10,022	150
		Zone - 147	Peak	152		66	56	72.0	55.0	311	5,880	150		66	56	55.0	311	10,022	150
		Zone - 147	Block	152	9/11	66	56	72.0	55.0	311	5,880	150	9 /11	66	56	55.0	311	10,022	150
		3- 3W-P-S-CR	Peak	89	10/13	64	52	72.0	55.0	252	4,766	3	10 /13	64	52	55.0	252	6,980	3
		Zone - 148	Peak	89		64	52	72.0	55.0	252	4,766	3		64	52	55.0	252	6,980	3
		Zone - 148	Block	89	10/13	64	52	72.0	55.0	252	4,766	3	10 /13	64	52	55.0	252	6,980	3
		3- 3W-P-S-OO	Peak	665	10/13	64	52	72.0	55.0	1,889	35,741	19	10 /13	64	52	55.0	1,889	52,353	19
		Zone - 149	Peak	665		64	52	72.0	55.0	1,889	35,741	19		64	52	55.0	1,889	52,353	19
		Zone - 149	Block	665	10/13	64	52	72.0	55.0	1,889	35,741	19	10 /13	64	52	55.0	1,889	52,353	19
		3- 3W-P-S-CN	Peak	44	10/13	64	52	72.0	55.0	126	2,383	1	10 /13	64	52	55.0	126	3,490	1
		Zone - 150	Peak	44		64	52	72.0	55.0	126	2,383	1		64	52	55.0	126	3,490	1
		Zone - 150	Block	44	10/13	64	52	72.0	55.0	126	2,383	1	10 /13	64	52	55.0	126	3,490	1
		3- 3W-P-S-PO	Peak	89	10/13	64	52	72.0	55.0	252	4,766	3	10 /13	64	52	55.0	252	6,980	3
		Zone - 151	Peak	89		64	52	72.0	55.0	252	4,766	3		64	52	55.0	252	6,980	3
		Zone - 151	Block	89	10/13	64	52	72.0	55.0	252	4,766	3	10 /13	64	52	55.0	252	6,980	3
		3- 3W-P-SW-CR	Peak	187	9/15	76	61	72.0	55.0	447	8,464	279	9 /15	76	61	55.0	447	9,385	279
		Zone - 152	Peak	187		76	61	72.0	55.0	447	8,464	279		76	61	55.0	447	9,385	279
		Zone - 152	Block	187	9/15	76	61	72.0	55.0	447	8,464	279	9 /15	76	61	55.0	447	9,385	279
		3- 3W-P-SW-OO	Peak	1,399	9/15	76	61	72.0	55.0	3,356	63,487	2,090	9 /15	76	61	55.0	3,356	70,390	2,090
		Zone - 153	Peak	1,399		76	61	72.0	55.0	3,356	63,487	2,090		76	61	55.0	3,356	70,390	2,090
		Zone - 153	Block	1,399	9/15	76	61	72.0	55.0	3,356	63,487	2,090	9 /15	76	61	55.0	3,356	70,390	2,090
		AHUs vav w/ rh	Peak	123,591		82	71	72.0	55.0	253,454	2,170,633	466,312		82	71	55.0	253,439	5,567,044	507,624
		AHUs vav w/ rh	Block	123,591	7/17	82	71	72.0	55.0	247,222	4,677,009	581,398	7 /17	82	71	55.0	247,222	5,081,683	581,398

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

### Alternative 1

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
4- 4W-P-NW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 001	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 001	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-P-NW-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 002	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 002	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-P-SW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 003	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 003	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-P-SW-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 004	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 004	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-P-SW-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 005	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 005	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-P-S-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 006	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 006	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-P-S-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 007	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 007	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-SW-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 008	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 008	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-SW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 009	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 009	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-SW-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 010	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 010	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-SW-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 011	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 011	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-I-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 012	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 012	Zn Block	0	0	0.000	0	0	0.000	0	0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
1W-P-SW-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 014	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 014	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 015	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 015	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 016	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 016	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 017	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 017	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 018	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 018	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 019	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 019	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 020	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 020	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 021	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 021	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 022	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 022	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 023	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 023	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 024	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 024	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 025	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 025	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 026	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 026	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 027	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 027	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 028	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 028	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 029	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 029	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 030	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 030	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-M		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 031	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 031	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 032	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 032	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 033	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 033	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 034	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 034	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-N-MS		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 035	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 035	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-NW-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 036	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 036	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-N-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 037	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 037	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 038	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 038	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-L		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 039	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 039	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
IE-I-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 040	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 040	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 041	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 041	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 042	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 042	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 043	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 043	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 044	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 044	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-S-MS		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 045	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 045	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-SE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 046	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 046	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-SW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 047	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 047	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 048	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 048	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 049	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 049	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-SE-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 050	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 050	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-SE-MS		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 051	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 051	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
3- 3W-P-N-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 052	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 052	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-P-N-PO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 053	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 053	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-I-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 054	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 054	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-I-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 055	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 055	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 056	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 056	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-I-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 057	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 057	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-I-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 058	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 058	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 059	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 059	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NW-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 060	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 060	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NW-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 061	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 061	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-W-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 062	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 062	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NE-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 063	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 063	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NE-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 064	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 064	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-NE-00		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 065	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 065	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-N-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 066	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 066	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-N-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 067	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 067	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 068	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 068	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 069	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 069	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 070	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 070	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 071	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 071	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 072	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 072	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 073	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 073	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 074	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 074	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 075	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 075	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 076	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 076	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-PO		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 077	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 077	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 078	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 078	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 079	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 079	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 080	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 080	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 081	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 081	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 082	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 082	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 083	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 083	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 084	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 084	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 085	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 085	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 086	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 086	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 087	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 087	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 088	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 088	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-I-SM		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 089	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 089	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
2- 2W-I-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 090	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 090	Zn Block	0	0	0.000	0	0	0.000	0	0
2- 2W-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 091	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 091	Zn Block	0	0	0.000	0	0	0.000	0	0
2- 2E-I-SM	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 092	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 092	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-NW-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 093	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 093	Zn Block	0	0	0.000	0	0	0.000	0	0
2- 2E-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 094	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 094	Zn Block	0	0	0.000	0	0	0.000	0	0
2- 2W-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 095	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 095	Zn Block	0	0	0.000	0	0	0.000	0	0
2- 2E-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 096	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 096	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-N-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 097	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 097	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-N-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 098	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 098	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-N-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 099	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 099	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-N-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 100	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 100	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-N-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 101	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 101	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-N-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 102	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 102	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 103	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 103	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 104	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 104	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 105	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 105	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-I-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 106	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 106	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 107	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 107	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 108	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 108	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 109	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 109	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 110	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 110	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 111	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 111	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 112	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 112	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-M		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 113	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 113	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 114	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 114	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-S		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 115	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 115	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 116	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 116	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 117	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 117	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 118	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 118	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-M		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 119	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 119	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 120	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 120	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 121	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 121	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 122	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 122	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 123	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 123	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 124	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 124	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 125	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 125	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 126	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 126	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 127	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 127	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
3- 3E-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 128	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 128	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 129	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 129	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-I-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 130	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 130	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-I-SM	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 131	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 131	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 132	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 132	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 133	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 133	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 134	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 134	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-SM	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 135	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 135	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 136	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 136	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 137	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 137	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 138	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 138	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-PO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 139	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 139	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NE-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 140	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 140	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-NE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 141	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 141	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-NE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 142	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 142	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 143	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 143	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-NE-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 144	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 144	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 145	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 145	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 146	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 146	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 147	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 147	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 148	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 148	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 149	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 149	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 150	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 150	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 151	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 151	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 152	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 152	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-OO		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load Btu/h	Plenum Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	CLF	Space Sensible Btu/h	Plenum Sensible Btu/h	CLF
Zone - 153	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 153	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
AHUs vav w/ rh	Sys Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
AHUs vav w/ rh	Sys Block	0	0	0.000	0	0	0.000	0	0	0.000



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
4- 4W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
1E-I-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
1E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
4- 4W-P-N-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 035			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 035			Zn Block	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 036			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 036			Zn Block	0	0	0	0	0	0.0	0.0
4- 4W-P-N-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 037			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 037			Zn Block	0	0	0	0	0	0.0	0.0
1W-I-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 038			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 038			Zn Block	0	0	0	0	0	0.0	0.0
1W-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 039			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 039			Zn Block	0	0	0	0	0	0.0	0.0
IE-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 040			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 040			Zn Block	0	0	0	0	0	0.0	0.0
1E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 041			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 041			Zn Block	0	0	0	0	0	0.0	0.0
1E-I-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 042			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 042			Zn Block	0	0	0	0	0	0.0	0.0
1E-I-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 043			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 043			Zn Block	0	0	0	0	0	0.0	0.0
1E-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 044			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 044			Zn Block	0	0	0	0	0	0.0	0.0
4- 4W-P-S-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 045			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 045			Zn Block	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer					Envelope Loads to Stratified Upper Layer					Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified		Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h		Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
4- 4E-P-SE-OO		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-CN		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-R		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-L		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-L		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-MS		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CR		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-PO		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-MS		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-L		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-OO		0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Tot/Ave	0	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Block	0	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
4- 4W-I-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-W-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-00		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
3- 3W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
2- 2E-P-SE-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-SM		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
2- 2W-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-SM		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-M		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-S		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-M		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
1W-P-N-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-R		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-S		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer					Envelope Loads to Stratified Upper Layer					Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified		Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h		Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
2- 2W-P-NW-CN	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 112			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 112			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-M	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 113			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 113			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-OO	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 114			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 114			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-S	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 115			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 115			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-CN	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 116			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 116			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-R	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 117			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 117			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-L	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 118			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 118			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-M	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 119			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 119			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-OO	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 120			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 120			Zn Block	0	0	0	0	0	0	0.0	0.0	
2- 2W-P-S-PO	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 121			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 121			Zn Block	0	0	0	0	0	0	0.0	0.0	
2- 2W-P-SW-CR	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 122			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 122			Zn Block	0	0	0	0	0	0	0.0	0.0	

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
2- 2W-P-SW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-SM		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
3- 3W-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-SM		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
3- 3E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 145			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 145			Zn Block	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 146			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 146			Zn Block	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 147			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 147			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 148			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 148			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 149			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 149			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 150			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 150			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 151			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 151			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 152			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 152			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 153			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 153			Zn Block	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh			Sys Tot/Ave	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh			Sys Block	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

### Alternative 2

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load Btu/h	Plenum Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	CLF	Space Sensible Btu/h	Plenum Sensible Btu/h	CLF
4- 4W-P-NW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 001	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 001	Zn Block	0	0	0.000	0	0	0.000	0	0.000
4- 4W-P-NW-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 002	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 002	Zn Block	0	0	0.000	0	0	0.000	0	0.000
4- 4W-P-SW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 003	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 003	Zn Block	0	0	0.000	0	0	0.000	0	0.000
4- 4W-P-SW-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 004	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 004	Zn Block	0	0	0.000	0	0	0.000	0	0.000
4- 4W-P-SW-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 005	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 005	Zn Block	0	0	0.000	0	0	0.000	0	0.000
4- 4W-P-S-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 006	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 006	Zn Block	0	0	0.000	0	0	0.000	0	0.000
4- 4W-P-S-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 007	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 007	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-SW-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 008	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 008	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-SW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 009	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 009	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-SW-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 010	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 010	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-SW-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 011	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 011	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1E-I-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 012	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 012	Zn Block	0	0	0.000	0	0	0.000	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
1W-P-SW-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 014	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 014	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 015	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 015	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 016	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 016	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 017	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 017	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 018	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 018	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 019	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 019	Zn Block	0	0	0.000	0	0	0.000	0	0
1W-P-S-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 020	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 020	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 021	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 021	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 022	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 022	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 023	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 023	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 024	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 024	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 025	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 025	Zn Block	0	0	0.000	0	0	0.000	0	0
1E-P-SE-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 026	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 026	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 027	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 027	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 028	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 028	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 029	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 029	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 030	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 030	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-M		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 031	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 031	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 032	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 032	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NE-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 033	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 033	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 034	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 034	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-N-MS		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 035	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 035	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-NW-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 036	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 036	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-N-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 037	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 037	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 038	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 038	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-L		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 039	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 039	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
IE-I-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 040	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 040	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 041	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 041	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 042	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 042	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 043	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 043	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-I-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 044	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 044	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4W-P-S-MS		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 045	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 045	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-SE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 046	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 046	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-SW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 047	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 047	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 048	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 048	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 049	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 049	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-SE-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 050	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 050	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-SE-MS		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 051	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 051	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
3- 3W-P-N-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 052	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 052	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-P-N-PO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 053	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 053	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-I-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 054	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 054	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-I-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 055	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 055	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 056	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 056	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-I-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 057	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 057	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-I-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 058	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 058	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4W-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 059	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 059	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NW-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 060	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 060	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NW-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 061	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 061	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-W-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 062	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 062	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NE-MS	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 063	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 063	Zn Block	0	0	0.000	0	0	0.000	0	0
4- 4E-P-NE-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 064	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 064	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
4- 4E-P-NE-00		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 065	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 065	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-N-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 066	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 066	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-N-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 067	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 067	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 068	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 068	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 069	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 069	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 070	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 070	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 071	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 071	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 072	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 072	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 073	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 073	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 074	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 074	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 075	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 075	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 076	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 076	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-PO		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 077	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 077	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 078	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 078	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 079	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 079	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 080	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 080	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-SE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 081	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 081	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 082	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 082	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 083	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 083	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 084	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 084	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 085	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 085	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 086	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 086	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 087	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 087	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 088	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 088	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-I-SM		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 089	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 089	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load		Space Sensible	Ret Air Sensible		Space Sensible	Plenum Sensible	
	Btu/h	Btu/h	CLF	Btu/h	Btu/h	CLF	Btu/h	Btu/h	CLF
2- 2W-I-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 090	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 090	Zn Block	0	0	0.000	0	0	0.000	0	0.000
2- 2W-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 091	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 091	Zn Block	0	0	0.000	0	0	0.000	0	0.000
2- 2E-I-SM	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 092	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 092	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-NW-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 093	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 093	Zn Block	0	0	0.000	0	0	0.000	0	0.000
2- 2E-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 094	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 094	Zn Block	0	0	0.000	0	0	0.000	0	0.000
2- 2W-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 095	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 095	Zn Block	0	0	0.000	0	0	0.000	0	0.000
2- 2E-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 096	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 096	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-N-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 097	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 097	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-N-S	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 098	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 098	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-N-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 099	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 099	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-N-M	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 100	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 100	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-N-L	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 101	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000
Zone - 101	Zn Block	0	0	0.000	0	0	0.000	0	0.000
1W-P-N-R	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 102	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 102	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 103	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 103	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-S		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 104	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 104	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 105	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 105	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2E-I-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 106	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 106	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 107	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 107	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 108	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 108	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 109	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 109	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 110	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 110	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 111	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 111	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-NW-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 112	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 112	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-M		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 113	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 113	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 114	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 114	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-S		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 115	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 115	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1W-I-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 116	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 116	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-R		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 117	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 117	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-L		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 118	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 118	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-M		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 119	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 119	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
1E-P-NW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 120	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 120	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-S-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 121	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 121	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 122	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 122	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-SW-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 123	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 123	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 124	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 124	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 125	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 125	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 126	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 126	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
2- 2W-P-N-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 127	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 127	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	LIGHTS			PEOPLE			MISC. EQUIPMENT		
	Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
	Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
3- 3E-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 128	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 128	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 129	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 129	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-I-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 130	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 130	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-I-SM	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 131	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 131	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 132	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 132	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 133	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 133	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 134	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 134	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3W-I-SM	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 135	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 135	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-OO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 136	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 136	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-CN	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 137	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 137	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 138	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 138	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NW-PO	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 139	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0
Zone - 139	Zn Block	0	0	0.000	0	0	0.000	0	0
3- 3E-P-NE-CR	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 140	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		LIGHTS			PEOPLE			MISC. EQUIPMENT		
		Space Load	Plenum Load	CLF	Space Sensible	Ret Air Sensible	CLF	Space Sensible	Plenum Sensible	CLF
		Btu/h	Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	
Zone - 140	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-NE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 141	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 141	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-NE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 142	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 142	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 143	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 143	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-NE-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 144	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 144	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 145	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 145	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 146	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 146	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3E-P-SE-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 147	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 147	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 148	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 148	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-OO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 149	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 149	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-CN		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 150	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 150	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-S-PO		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 151	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 151	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-CR		0	0	0.000	0	0	0.000	0	0	0.000
Zone - 152	Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
Zone - 152	Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
3- 3W-P-SW-OO		0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System	Zone	Room	LIGHTS			PEOPLE			MISC. EQUIPMENT			
			Space Load Btu/h	Plenum Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	CLF	Space Sensible Btu/h	Plenum Sensible Btu/h	CLF	
	Zone - 153		Zn Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
	Zone - 153		Zn Block	0	0	0.000	0	0	0.000	0	0	0.000
	AHUs vav w/ rh		Sys Tot/Ave	0	0	0.000	0	0	0.000	0	0	0.000
	AHUs vav w/ rh		Sys Block	0	0	0.000	0	0	0.000	0	0	0.000

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
4- 4W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
1E-I-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
1E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
4- 4W-P-N-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 035	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 035	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 036	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 036	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-N-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 037	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 037	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-I-R		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 038	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 038	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-I-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 039	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 039	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
IE-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 040	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 040	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1E-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 041	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 041	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1E-I-S		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 042	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 042	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1E-I-R		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 043	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 043	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1E-I-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 044	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 044	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 045	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 045	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
4- 4E-P-SE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-R		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
4- 4W-I-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-W-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-MS		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-00		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
3- 3W-P-NW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
2- 2E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
2- 2W-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-SM		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-M		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-S		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-M		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
1W-P-N-L		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-R		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-S		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer					Envelope Loads to Stratified Upper Layer					Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified		Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h		Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
2- 2W-P-NW-CN	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 112			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 112			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-M	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 113			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 113			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-OO	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 114			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 114			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-S	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 115			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 115			Zn Block	0	0	0	0	0	0	0.0	0.0	
1W-I-CN	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 116			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 116			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-R	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 117			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 117			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-L	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 118			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 118			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-M	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 119			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 119			Zn Block	0	0	0	0	0	0	0.0	0.0	
1E-P-NW-OO	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 120			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 120			Zn Block	0	0	0	0	0	0	0.0	0.0	
2- 2W-P-S-PO	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 121			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 121			Zn Block	0	0	0	0	0	0	0.0	0.0	
2- 2W-P-SW-CR	0	0	0	0	0	0	0	0	0	0.0	0.0	
Zone - 122			Zn Tot/Ave	0	0	0	0	0	0	0.0	0.0	
Zone - 122			Zn Block	0	0	0	0	0	0	0.0	0.0	

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
2- 2W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures		
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer	
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F	
3- 3W-I-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-SM		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CR		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CN		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-OO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-PO		0	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Block	0	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL HEATING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
3- 3E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 145			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 145			Zn Block	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 146			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 146			Zn Block	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 147			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 147			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 148			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 148			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 149			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 149			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 150			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 150			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-S-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 151			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 151			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 152			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 152			Zn Block	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 153			Zn Tot/Ave	0	0	0	0	0	0.0	0.0
Zone - 153			Zn Block	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh			Sys Tot/Ave	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh			Sys Block	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

### Alternative 1

System Zone Room	Lights			People				Misc. Equipment			
	Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
4- 4W-P-NW-OO	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zone - 001											
Zn Tot/Ave	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zn Block	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
4- 4W-P-NW-MS	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 002											
Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
4- 4W-P-SW-OO	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 003											
Zn Tot/Ave	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zn Block	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
4- 4W-P-SW-L	859	0	1.000	489	0	391	1.000	415	0	0	0.870
Zone - 004											
Zn Tot/Ave	859	0	1.000	489	0	391	1.000	415	0	0	0.870
Zn Block	859	0	1.000	489	0	391	1.000	415	0	0	0.870
4- 4W-P-SW-MS	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 005											
Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
4- 4W-P-S-OO	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 006											
Zn Tot/Ave	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zn Block	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
4- 4W-P-S-L	409	0	1.000	233	0	186	1.000	192	0	0	0.845
Zone - 007											
Zn Tot/Ave	409	0	1.000	233	0	186	1.000	192	0	0	0.845
Zn Block	409	0	1.000	233	0	186	1.000	192	0	0	0.845
1W-P-SW-M	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 008											
Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
1W-P-SW-OO	1,719	0	1.000	978	0	783	1.000	831	0	0	0.870
Zone - 009											
Zn Tot/Ave	1,719	0	1.000	978	0	783	1.000	831	0	0	0.870
Zn Block	1,719	0	1.000	978	0	783	1.000	831	0	0	0.870
1W-P-SW-S	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 010											
Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
1W-P-SW-L	1,432	0	1.000	815	0	652	1.000	692	0	0	0.870
Zone - 011											
Zn Tot/Ave	1,432	0	1.000	815	0	652	1.000	692	0	0	0.870
Zn Block	1,432	0	1.000	815	0	652	1.000	692	0	0	0.870
1E-I-M	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 012											
Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
1W-P-SW-R	859	0	1.000	489	0	391	1.000	415	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 014	Zn Tot/Ave	859	0	1.000	489	0	391	1.000	415	0	0	0.870
Zone - 014	Zn Block	859	0	1.000	489	0	391	1.000	415	0	0	0.870
1W-P-S-CN		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 015	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 015	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
1W-P-S-S		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 016	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 016	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
1W-P-S-M		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 017	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 017	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
1W-P-S-OO		817	0	1.000	465	0	372	1.000	384	0	0	0.845
Zone - 018	Zn Tot/Ave	817	0	1.000	465	0	372	1.000	384	0	0	0.845
Zone - 018	Zn Block	817	0	1.000	465	0	372	1.000	384	0	0	0.845
1W-P-S-L		681	0	1.000	388	0	310	1.000	320	0	0	0.845
Zone - 019	Zn Tot/Ave	681	0	1.000	388	0	310	1.000	320	0	0	0.845
Zone - 019	Zn Block	681	0	1.000	388	0	310	1.000	320	0	0	0.845
1W-P-S-R		409	0	1.000	233	0	186	1.000	192	0	0	0.845
Zone - 020	Zn Tot/Ave	409	0	1.000	233	0	186	1.000	192	0	0	0.845
Zone - 020	Zn Block	409	0	1.000	233	0	186	1.000	192	0	0	0.845
1E-P-SE-CN		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 021	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 021	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
1E-P-SE-S		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 022	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 022	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
1E-P-SE-M		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 023	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 023	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
1E-P-SE-OO		2,799	0	1.000	1,593	0	1,274	1.000	1,399	0	0	0.900
Zone - 024	Zn Tot/Ave	2,799	0	1.000	1,593	0	1,274	1.000	1,399	0	0	0.900
Zone - 024	Zn Block	2,799	0	1.000	1,593	0	1,274	1.000	1,399	0	0	0.900
1E-P-SE-R		1,399	0	1.000	796	0	637	1.000	700	0	0	0.900
Zone - 025	Zn Tot/Ave	1,399	0	1.000	796	0	637	1.000	700	0	0	0.900
Zone - 025	Zn Block	1,399	0	1.000	796	0	637	1.000	700	0	0	0.900
1E-P-SE-L		2,332	0	1.000	1,327	0	1,062	1.000	1,166	0	0	0.900
Zone - 026	Zn Tot/Ave	2,332	0	1.000	1,327	0	1,062	1.000	1,166	0	0	0.900
Zone - 026	Zn Block	2,332	0	1.000	1,327	0	1,062	1.000	1,166	0	0	0.900
1E-P-NE-CN		141	0	0.400	39	0	48	0.242	113	0	0	0.575

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 027	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 027	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
1E-P-NE-S		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 028	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 028	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
1E-P-NE-OO		424	0	0.400	118	0	145	0.242	338	0	0	0.575
Zone - 029	Zn Tot/Ave	424	0	0.400	118	0	145	0.242	338	0	0	0.575
Zone - 029	Zn Block	424	0	0.400	118	0	145	0.242	338	0	0	0.575
1E-P-NE-L		353	0	0.400	98	0	121	0.242	282	0	0	0.575
Zone - 030	Zn Tot/Ave	353	0	0.400	98	0	121	0.242	282	0	0	0.575
Zone - 030	Zn Block	353	0	0.400	98	0	121	0.242	282	0	0	0.575
1E-P-NE-M		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 031	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 031	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
1E-P-NW-CN		1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 032	Zn Tot/Ave	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 032	Zn Block	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
1E-P-NE-R		529	0	1.000	301	0	241	1.000	275	0	0	0.935
Zone - 033	Zn Tot/Ave	529	0	1.000	301	0	241	1.000	275	0	0	0.935
Zone - 033	Zn Block	529	0	1.000	301	0	241	1.000	275	0	0	0.935
1E-P-NW-S		1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 034	Zn Tot/Ave	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 034	Zn Block	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
4- 4W-P-N-MS		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 035	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 035	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
4- 4W-P-NW-L		253	0	0.667	135	0	52	0.481	179	0	0	0.850
Zone - 036	Zn Tot/Ave	253	0	0.667	135	0	52	0.481	179	0	0	0.850
Zone - 036	Zn Block	253	0	0.667	135	0	52	0.481	179	0	0	0.850
4- 4W-P-N-L		398	0	1.000	226	0	181	1.000	192	0	0	0.870
Zone - 037	Zn Tot/Ave	398	0	1.000	226	0	181	1.000	192	0	0	0.870
Zone - 037	Zn Block	398	0	1.000	226	0	181	1.000	192	0	0	0.870
1W-I-R		2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
Zone - 038	Zn Tot/Ave	2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
Zone - 038	Zn Block	2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
1W-I-L		3,949	0	1.000	2,248	0	1,798	1.000	1,909	0	0	0.870
Zone - 039	Zn Tot/Ave	3,949	0	1.000	2,248	0	1,798	1.000	1,909	0	0	0.870
Zone - 039	Zn Block	3,949	0	1.000	2,248	0	1,798	1.000	1,909	0	0	0.870
IE-I-CN		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 040	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 040	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
1E-I-OO		11,836	0	1.000	6,736	0	5,389	1.000	5,721	0	0	0.870
Zone - 041	Zn Tot/Ave	11,836	0	1.000	6,736	0	5,389	1.000	5,721	0	0	0.870
Zone - 041	Zn Block	11,836	0	1.000	6,736	0	5,389	1.000	5,721	0	0	0.870
1E-I-S		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 042	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 042	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
1E-I-R		5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 043	Zn Tot/Ave	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 043	Zn Block	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
1E-I-L		9,863	0	1.000	5,614	0	4,491	1.000	4,767	0	0	0.870
Zone - 044	Zn Tot/Ave	9,863	0	1.000	5,614	0	4,491	1.000	4,767	0	0	0.870
Zone - 044	Zn Block	9,863	0	1.000	5,614	0	4,491	1.000	4,767	0	0	0.870
4- 4W-P-S-MS		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 045	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 045	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
4- 4E-P-SE-OO		6,997	0	1.000	3,982	0	3,186	1.000	3,382	0	0	0.870
Zone - 046	Zn Tot/Ave	6,997	0	1.000	3,982	0	3,186	1.000	3,382	0	0	0.870
Zone - 046	Zn Block	6,997	0	1.000	3,982	0	3,186	1.000	3,382	0	0	0.870
1W-P-SW-CN		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 047	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 047	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
1W-P-NW-R		253	0	0.667	135	0	52	0.481	179	0	0	0.850
Zone - 048	Zn Tot/Ave	253	0	0.667	135	0	52	0.481	179	0	0	0.850
Zone - 048	Zn Block	253	0	0.667	135	0	52	0.481	179	0	0	0.850
1W-P-NW-L		421	0	0.667	225	0	86	0.481	298	0	0	0.850
Zone - 049	Zn Tot/Ave	421	0	0.667	225	0	86	0.481	298	0	0	0.850
Zone - 049	Zn Block	421	0	0.667	225	0	86	0.481	298	0	0	0.850
4- 4E-P-SE-L		1,399	0	1.000	796	0	637	1.000	676	0	0	0.870
Zone - 050	Zn Tot/Ave	1,399	0	1.000	796	0	637	1.000	676	0	0	0.870
Zone - 050	Zn Block	1,399	0	1.000	796	0	637	1.000	676	0	0	0.870
4- 4E-P-SE-MS		933	0	1.000	531	0	425	1.000	451	0	0	0.870
Zone - 051	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	451	0	0	0.870
Zone - 051	Zn Block	933	0	1.000	531	0	425	1.000	451	0	0	0.870
3- 3W-P-N-CR		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 052	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 052	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
3- 3W-P-N-PO		265	0	1.000	151	0	121	1.000	128	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 053	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 053	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
4- 4E-I-MS		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 054	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 054	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
4- 4E-I-L		5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 055	Zn Tot/Ave	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 055	Zn Block	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
4- 4E-I-OO		29,590	0	1.000	16,841	0	13,473	1.000	14,302	0	0	0.870
Zone - 056	Zn Tot/Ave	29,590	0	1.000	16,841	0	13,473	1.000	14,302	0	0	0.870
Zone - 056	Zn Block	29,590	0	1.000	16,841	0	13,473	1.000	14,302	0	0	0.870
4- 4W-I-L		2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
Zone - 057	Zn Tot/Ave	2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
Zone - 057	Zn Block	2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
4- 4W-I-MS		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 058	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 058	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
4- 4W-I-OO		11,848	0	1.000	6,743	0	5,395	1.000	5,727	0	0	0.870
Zone - 059	Zn Tot/Ave	11,848	0	1.000	6,743	0	5,395	1.000	5,727	0	0	0.870
Zone - 059	Zn Block	11,848	0	1.000	6,743	0	5,395	1.000	5,727	0	0	0.870
4- 4E-P-NW-L		1,826	0	1.000	1,039	0	831	1.000	883	0	0	0.870
Zone - 060	Zn Tot/Ave	1,826	0	1.000	1,039	0	831	1.000	883	0	0	0.870
Zone - 060	Zn Block	1,826	0	1.000	1,039	0	831	1.000	883	0	0	0.870
4- 4E-P-NW-MS		1,217	0	1.000	693	0	554	1.000	588	0	0	0.870
Zone - 061	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	588	0	0	0.870
Zone - 061	Zn Block	1,217	0	1.000	693	0	554	1.000	588	0	0	0.870
4- 4E-P-W-OO		9,130	0	1.000	5,196	0	4,157	1.000	4,413	0	0	0.870
Zone - 062	Zn Tot/Ave	9,130	0	1.000	5,196	0	4,157	1.000	4,413	0	0	0.870
Zone - 062	Zn Block	9,130	0	1.000	5,196	0	4,157	1.000	4,413	0	0	0.870
4- 4E-P-NE-MS		353	0	1.000	201	0	161	1.000	171	0	0	0.870
Zone - 063	Zn Tot/Ave	353	0	1.000	201	0	161	1.000	171	0	0	0.870
Zone - 063	Zn Block	353	0	1.000	201	0	161	1.000	171	0	0	0.870
4- 4E-P-NE-L		529	0	1.000	301	0	241	1.000	256	0	0	0.870
Zone - 064	Zn Tot/Ave	529	0	1.000	301	0	241	1.000	256	0	0	0.870
Zone - 064	Zn Block	529	0	1.000	301	0	241	1.000	256	0	0	0.870
4- 4E-P-NE-00		2,647	0	1.000	1,507	0	1,205	1.000	1,279	0	0	0.870
Zone - 065	Zn Tot/Ave	2,647	0	1.000	1,507	0	1,205	1.000	1,279	0	0	0.870
Zone - 065	Zn Block	2,647	0	1.000	1,507	0	1,205	1.000	1,279	0	0	0.870
3- 3W-P-N-CN		133	0	1.000	75	0	60	1.000	64	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 066	Zn Tot/Ave	133	0	1.000	75	0	60	1.000	64	0	0	0.870
Zone - 066	Zn Block	133	0	1.000	75	0	60	1.000	64	0	0	0.870
3- 3W-P-N-OO		1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 067	Zn Tot/Ave	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 067	Zn Block	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
3- 3W-P-NW-CN		84	0	0.667	45	0	17	0.481	60	0	0	0.850
Zone - 068	Zn Tot/Ave	84	0	0.667	45	0	17	0.481	60	0	0	0.850
Zone - 068	Zn Block	84	0	0.667	45	0	17	0.481	60	0	0	0.850
3- 3W-P-NW-CR		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 069	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 069	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
3- 3W-P-SW-PO		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 070	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 070	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
3- 3W-P-NW-PO		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 071	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 071	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
3- 3W-P-NW-OO		1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zone - 072	Zn Tot/Ave	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zone - 072	Zn Block	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
3- 3W-P-SW-CN		286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 073	Zn Tot/Ave	286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 073	Zn Block	286	0	1.000	163	0	130	1.000	138	0	0	0.870
2- 2W-P-S-OO		2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 074	Zn Tot/Ave	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 074	Zn Block	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
2- 2W-P-S-CN		136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 075	Zn Tot/Ave	136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 075	Zn Block	136	0	1.000	78	0	62	1.000	64	0	0	0.845
2- 2E-P-SE-CN		466	0	1.000	265	0	212	1.000	233	0	0	0.900
Zone - 076	Zn Tot/Ave	466	0	1.000	265	0	212	1.000	233	0	0	0.900
Zone - 076	Zn Block	466	0	1.000	265	0	212	1.000	233	0	0	0.900
2- 2E-P-SE-PO		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 077	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 077	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
2- 2W-P-S-CR		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 078	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 078	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
2- 2E-P-SE-CR		933	0	1.000	531	0	425	1.000	466	0	0	0.900

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 079	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 079	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
2- 2E-P-NE-PO		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 080	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 080	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
2- 2E-P-SE-OO		6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
Zone - 081	Zn Tot/Ave	6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
Zone - 081	Zn Block	6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
2- 2E-P-NE-OO		1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
Zone - 082	Zn Tot/Ave	1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
Zone - 082	Zn Block	1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
2- 2E-P-NE-CR		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 083	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 083	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
2- 2E-P-NW-PO		1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 084	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 084	Zn Block	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
2- 2E-P-NW-CR		1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 085	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 085	Zn Block	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
2- 2E-P-NE-CN		71	0	0.400	20	0	24	0.242	56	0	0	0.575
Zone - 086	Zn Tot/Ave	71	0	0.400	20	0	24	0.242	56	0	0	0.575
Zone - 086	Zn Block	71	0	0.400	20	0	24	0.242	56	0	0	0.575
2- 2E-P-NW-CN		609	0	1.000	346	0	277	1.000	316	0	0	0.935
Zone - 087	Zn Tot/Ave	609	0	1.000	346	0	277	1.000	316	0	0	0.935
Zone - 087	Zn Block	609	0	1.000	346	0	277	1.000	316	0	0	0.935
2- 2E-P-NW-OO		9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
Zone - 088	Zn Tot/Ave	9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
Zone - 088	Zn Block	9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
2- 2W-I-SM		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 089	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 089	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
2- 2W-I-CN		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 090	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 090	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
2- 2W-I-CR		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 091	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 091	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
2- 2E-I-SM		7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870



# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Zn Tot/Ave Zn Block	Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 092	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 092	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
1W-P-NW-M		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 093	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 093	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
2- 2E-I-CR		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 094	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 094	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
2- 2W-I-OO		7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 095	Zn Tot/Ave	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 095	Zn Block	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
2- 2E-I-OO		19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
Zone - 096	Zn Tot/Ave	19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
Zone - 096	Zn Block	19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
1W-P-N-CN		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 097	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 097	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
1W-P-N-S		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 098	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 098	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
1W-P-N-OO		795	0	1.000	453	0	362	1.000	384	0	0	0.870
Zone - 099	Zn Tot/Ave	795	0	1.000	453	0	362	1.000	384	0	0	0.870
Zone - 099	Zn Block	795	0	1.000	453	0	362	1.000	384	0	0	0.870
1W-P-N-M		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 100	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 100	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
1W-P-N-L		6,627	0	1.000	3,772	0	3,017	1.000	3,203	0	0	0.870
Zone - 101	Zn Tot/Ave	6,627	0	1.000	3,772	0	3,017	1.000	3,203	0	0	0.870
Zone - 101	Zn Block	6,627	0	1.000	3,772	0	3,017	1.000	3,203	0	0	0.870
1W-P-N-R		398	0	1.000	226	0	181	1.000	192	0	0	0.870
Zone - 102	Zn Tot/Ave	398	0	1.000	226	0	181	1.000	192	0	0	0.870
Zone - 102	Zn Block	398	0	1.000	226	0	181	1.000	192	0	0	0.870
1W-P-NW-CN		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 103	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 103	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
1W-P-NW-S		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 104	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 104	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
1W-P-NW-OO		506	0	0.667	270	0	104	0.481	358	0	0	0.850

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 105	Zn Tot/Ave	506	0	0.667	270	0	104	0.481	358	0	0	0.850
Zone - 105	Zn Block	506	0	0.667	270	0	104	0.481	358	0	0	0.850
2- 2E-I-CN		7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 106	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 106	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
2- 2W-P-SW-CN		286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 107	Zn Tot/Ave	286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 107	Zn Block	286	0	1.000	163	0	130	1.000	138	0	0	0.870
2- 2W-P-NW-OO		1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zone - 108	Zn Tot/Ave	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zone - 108	Zn Block	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
2- 2W-P-SW-PO		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 109	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 109	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
2- 2W-P-NW-CR		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 110	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 110	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
2- 2W-P-NW-PO		169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 111	Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 111	Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
2- 2W-P-NW-CN		84	0	0.667	45	0	17	0.481	60	0	0	0.850
Zone - 112	Zn Tot/Ave	84	0	0.667	45	0	17	0.481	60	0	0	0.850
Zone - 112	Zn Block	84	0	0.667	45	0	17	0.481	60	0	0	0.850
1W-I-M		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 113	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 113	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
1W-I-OO		4,739	0	1.000	2,697	0	2,158	1.000	2,291	0	0	0.870
Zone - 114	Zn Tot/Ave	4,739	0	1.000	2,697	0	2,158	1.000	2,291	0	0	0.870
Zone - 114	Zn Block	4,739	0	1.000	2,697	0	2,158	1.000	2,291	0	0	0.870
1W-I-S		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 115	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 115	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
1W-I-CN		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 116	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 116	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
1E-P-NW-R		1,826	0	1.000	1,039	0	831	1.000	948	0	0	0.935
Zone - 117	Zn Tot/Ave	1,826	0	1.000	1,039	0	831	1.000	948	0	0	0.935
Zone - 117	Zn Block	1,826	0	1.000	1,039	0	831	1.000	948	0	0	0.935
1E-P-NW-L		3,043	0	1.000	1,732	0	1,386	1.000	1,581	0	0	0.935

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 118	Zn Tot/Ave	3,043	0	1.000	1,732	0	1,386	1.000	1,581	0	0	0.935
Zone - 118	Zn Block	3,043	0	1.000	1,732	0	1,386	1.000	1,581	0	0	0.935
1E-P-NW-M		1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 119	Zn Tot/Ave	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 119	Zn Block	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
1E-P-NW-OO		3,652	0	1.000	2,078	0	1,663	1.000	1,897	0	0	0.935
Zone - 120	Zn Tot/Ave	3,652	0	1.000	2,078	0	1,663	1.000	1,897	0	0	0.935
Zone - 120	Zn Block	3,652	0	1.000	2,078	0	1,663	1.000	1,897	0	0	0.935
2- 2W-P-S-PO		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 121	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 121	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
2- 2W-P-SW-CR		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 122	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 122	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
2- 2W-P-SW-OO		4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 123	Zn Tot/Ave	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 123	Zn Block	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
2- 2W-P-N-OO		1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 124	Zn Tot/Ave	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 124	Zn Block	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
2- 2W-P-N-CN		133	0	1.000	75	0	60	1.000	64	0	0	0.870
Zone - 125	Zn Tot/Ave	133	0	1.000	75	0	60	1.000	64	0	0	0.870
Zone - 125	Zn Block	133	0	1.000	75	0	60	1.000	64	0	0	0.870
2- 2W-P-N-CR		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 126	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 126	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
2- 2W-P-N-PO		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 127	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 127	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
3- 3E-I-OO		19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
Zone - 128	Zn Tot/Ave	19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
Zone - 128	Zn Block	19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
3- 3E-I-CR		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 129	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 129	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
3- 3E-I-CN		7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 130	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 130	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
3- 3E-I-SM		7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 131	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 131	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
3- 3W-I-OO		7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 132	Zn Tot/Ave	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 132	Zn Block	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
3- 3W-I-CR		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 133	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 133	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
3- 3W-I-CN		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 134	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 134	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
3- 3W-I-SM		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 135	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 135	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
3- 3E-P-NW-OO		9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
Zone - 136	Zn Tot/Ave	9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
Zone - 136	Zn Block	9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
3- 3E-P-NW-CN		609	0	1.000	346	0	277	1.000	316	0	0	0.935
Zone - 137	Zn Tot/Ave	609	0	1.000	346	0	277	1.000	316	0	0	0.935
Zone - 137	Zn Block	609	0	1.000	346	0	277	1.000	316	0	0	0.935
3- 3E-P-NW-CR		1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 138	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 138	Zn Block	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
3- 3E-P-NW-PO		1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 139	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 139	Zn Block	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
3- 3E-P-NE-CR		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 140	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 140	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
3- 3E-P-NE-OO		1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
Zone - 141	Zn Tot/Ave	1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
Zone - 141	Zn Block	1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
3- 3E-P-NE-CN		71	0	0.400	20	0	24	0.242	56	0	0	0.575
Zone - 142	Zn Tot/Ave	71	0	0.400	20	0	24	0.242	56	0	0	0.575
Zone - 142	Zn Block	71	0	0.400	20	0	24	0.242	56	0	0	0.575
3- 3E-P-SE-OO		6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
Zone - 143	Zn Tot/Ave	6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
Zone - 143	Zn Block	6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
3- 3E-P-NE-PO		141	0	0.400	39	0	48	0.242	113	0	0	0.575

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 144	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 144	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
3- 3E-P-SE-CR		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 145	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 145	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
3- 3E-P-SE-PO		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 146	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 146	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
3- 3E-P-SE-CN		466	0	1.000	265	0	212	1.000	233	0	0	0.900
Zone - 147	Zn Tot/Ave	466	0	1.000	265	0	212	1.000	233	0	0	0.900
Zone - 147	Zn Block	466	0	1.000	265	0	212	1.000	233	0	0	0.900
3- 3W-P-S-CR		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 148	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 148	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
3- 3W-P-S-OO		2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 149	Zn Tot/Ave	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 149	Zn Block	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
3- 3W-P-S-CN		136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 150	Zn Tot/Ave	136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 150	Zn Block	136	0	1.000	78	0	62	1.000	64	0	0	0.845
3- 3W-P-S-PO		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 151	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 151	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
3- 3W-P-SW-CR		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 152	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 152	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
3- 3W-P-SW-OO		4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 153	Zn Tot/Ave	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 153	Zn Block	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
<b>AHUs vav w/ rh</b>	<b>Sys Tot/Ave</b>	<b>370,230</b>	<b>0</b>	<b>0.975</b>	<b>209,312</b>	<b>0</b>	<b>166,426</b>	<b>0.966</b>	<b>183,383</b>	<b>0</b>	<b>0</b>	<b>0.869</b>
<b>AHUs vav w/ rh</b>	<b>Sys Block</b>	<b>379,636</b>	<b>0</b>	<b>1.000</b>	<b>216,069</b>	<b>0</b>	<b>172,855</b>	<b>1.000</b>	<b>197,172</b>	<b>0</b>	<b>0</b>	<b>0.935</b>

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
1E-I-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
1E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Block	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4W-P-N-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 035	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 035	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 036	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 036	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-N-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 037	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 037	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 038	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 038	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 039	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 039	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 040	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 040	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 041	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 041	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 042	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 042	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 043	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 043	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 044	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 044	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 045	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 045	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4W-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-W-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-00	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
3- 3W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2W-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
1W-P-N-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 112	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 112	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-M		0	0	0	0	0	0	0	0.0	0.0
Zone - 113	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 113	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-OO		0	0	0	0	0	0	0	0.0	0.0
Zone - 114	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 114	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-S		0	0	0	0	0	0	0	0.0	0.0
Zone - 115	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 115	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-CN		0	0	0	0	0	0	0	0.0	0.0
Zone - 116	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 116	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-R		0	0	0	0	0	0	0	0.0	0.0
Zone - 117	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 117	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-L		0	0	0	0	0	0	0	0.0	0.0
Zone - 118	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 118	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-M		0	0	0	0	0	0	0	0.0	0.0
Zone - 119	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 119	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-OO		0	0	0	0	0	0	0	0.0	0.0
Zone - 120	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 120	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-PO		0	0	0	0	0	0	0	0.0	0.0
Zone - 121	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 121	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-CR		0	0	0	0	0	0	0	0.0	0.0
Zone - 122	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 122	Zn Block	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
3- 3W-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
3- 3E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 145	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 145	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 146	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 146	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 147	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 147	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 148	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 148	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 149	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 149	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 150	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 150	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 151	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 151	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 152	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 152	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 153	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 153	Zn Block	0	0	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh	Sys Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh	Sys Block	0	0	0	0	0	0	0	0.0	0.0

**INTERNAL COOLING LOADS**  
**AT SPACE PEAK**  
 By Trial

**Alternative 2**

System Zone Room	Lights			People				Misc. Equipment			
	Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
4- 4W-P-NW-OO	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zone - 001											
Zn Tot/Ave	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
Zn Block	1,264	0	0.667	676	0	259	0.481	895	0	0	0.850
4- 4W-P-NW-MS	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zone - 002											
Zn Tot/Ave	169	0	0.667	90	0	35	0.481	119	0	0	0.850
Zn Block	169	0	0.667	90	0	35	0.481	119	0	0	0.850
4- 4W-P-SW-OO	4,297	0	1.000	2,445	0	1,956	1.000	2,101	0	0	0.880
Zone - 003											
Zn Tot/Ave	4,297	0	1.000	2,445	0	1,956	1.000	2,101	0	0	0.880
Zn Block	4,297	0	1.000	2,445	0	1,956	1.000	2,101	0	0	0.880
4- 4W-P-SW-L	859	0	1.000	489	0	391	1.000	420	0	0	0.880
Zone - 004											
Zn Tot/Ave	859	0	1.000	489	0	391	1.000	420	0	0	0.880
Zn Block	859	0	1.000	489	0	391	1.000	420	0	0	0.880
4- 4W-P-SW-MS	573	0	1.000	326	0	261	1.000	280	0	0	0.880
Zone - 005											
Zn Tot/Ave	573	0	1.000	326	0	261	1.000	280	0	0	0.880
Zn Block	573	0	1.000	326	0	261	1.000	280	0	0	0.880
4- 4W-P-S-OO	2,043	0	1.000	1,163	0	930	1.000	976	0	0	0.860
Zone - 006											
Zn Tot/Ave	2,043	0	1.000	1,163	0	930	1.000	976	0	0	0.860
Zn Block	2,043	0	1.000	1,163	0	930	1.000	976	0	0	0.860
4- 4W-P-S-L	409	0	1.000	233	0	186	1.000	195	0	0	0.860
Zone - 007											
Zn Tot/Ave	409	0	1.000	233	0	186	1.000	195	0	0	0.860
Zn Block	409	0	1.000	233	0	186	1.000	195	0	0	0.860
1W-P-SW-M	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 008											
Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
1W-P-SW-OO	1,719	0	1.000	978	0	783	1.000	831	0	0	0.870
Zone - 009											
Zn Tot/Ave	1,719	0	1.000	978	0	783	1.000	831	0	0	0.870
Zn Block	1,719	0	1.000	978	0	783	1.000	831	0	0	0.870
1W-P-SW-S	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 010											
Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
1W-P-SW-L	1,432	0	1.000	815	0	652	1.000	692	0	0	0.870
Zone - 011											
Zn Tot/Ave	1,432	0	1.000	815	0	652	1.000	692	0	0	0.870
Zn Block	1,432	0	1.000	815	0	652	1.000	692	0	0	0.870
1E-I-M	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 012											
Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
1W-P-SW-R	859	0	1.000	489	0	391	1.000	415	0	0	0.870

**INTERNAL COOLING LOADS**  
**AT SPACE PEAK**  
 By Trial

System Zone Room	Zn Tot/Ave Zn Block	Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 014	Zn Tot/Ave	859	0	1.000	489	0	391	1.000	415	0	0	0.870
Zone - 014	Zn Block	859	0	1.000	489	0	391	1.000	415	0	0	0.870
1W-P-S-CN		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 015	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 015	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
1W-P-S-S		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 016	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 016	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
1W-P-S-M		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 017	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 017	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
1W-P-S-OO		817	0	1.000	465	0	372	1.000	384	0	0	0.845
Zone - 018	Zn Tot/Ave	817	0	1.000	465	0	372	1.000	384	0	0	0.845
Zone - 018	Zn Block	817	0	1.000	465	0	372	1.000	384	0	0	0.845
1W-P-S-L		681	0	1.000	388	0	310	1.000	320	0	0	0.845
Zone - 019	Zn Tot/Ave	681	0	1.000	388	0	310	1.000	320	0	0	0.845
Zone - 019	Zn Block	681	0	1.000	388	0	310	1.000	320	0	0	0.845
1W-P-S-R		409	0	1.000	233	0	186	1.000	192	0	0	0.845
Zone - 020	Zn Tot/Ave	409	0	1.000	233	0	186	1.000	192	0	0	0.845
Zone - 020	Zn Block	409	0	1.000	233	0	186	1.000	192	0	0	0.845
1E-P-SE-CN		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 021	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 021	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
1E-P-SE-S		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 022	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 022	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
1E-P-SE-M		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 023	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 023	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
1E-P-SE-OO		2,799	0	1.000	1,593	0	1,274	1.000	1,399	0	0	0.900
Zone - 024	Zn Tot/Ave	2,799	0	1.000	1,593	0	1,274	1.000	1,399	0	0	0.900
Zone - 024	Zn Block	2,799	0	1.000	1,593	0	1,274	1.000	1,399	0	0	0.900
1E-P-SE-R		1,399	0	1.000	796	0	637	1.000	700	0	0	0.900
Zone - 025	Zn Tot/Ave	1,399	0	1.000	796	0	637	1.000	700	0	0	0.900
Zone - 025	Zn Block	1,399	0	1.000	796	0	637	1.000	700	0	0	0.900
1E-P-SE-L		2,332	0	1.000	1,327	0	1,062	1.000	1,166	0	0	0.900
Zone - 026	Zn Tot/Ave	2,332	0	1.000	1,327	0	1,062	1.000	1,166	0	0	0.900
Zone - 026	Zn Block	2,332	0	1.000	1,327	0	1,062	1.000	1,166	0	0	0.900
1E-P-NE-CN		141	0	0.400	39	0	48	0.242	113	0	0	0.575

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 027	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 027	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
1E-P-NE-S		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 028	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 028	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
1E-P-NE-OO		424	0	0.400	118	0	145	0.242	338	0	0	0.575
Zone - 029	Zn Tot/Ave	424	0	0.400	118	0	145	0.242	338	0	0	0.575
Zone - 029	Zn Block	424	0	0.400	118	0	145	0.242	338	0	0	0.575
1E-P-NE-L		353	0	0.400	98	0	121	0.242	282	0	0	0.575
Zone - 030	Zn Tot/Ave	353	0	0.400	98	0	121	0.242	282	0	0	0.575
Zone - 030	Zn Block	353	0	0.400	98	0	121	0.242	282	0	0	0.575
1E-P-NE-M		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 031	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 031	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
1E-P-NW-CN		1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 032	Zn Tot/Ave	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 032	Zn Block	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
1E-P-NE-R		529	0	1.000	301	0	241	1.000	275	0	0	0.935
Zone - 033	Zn Tot/Ave	529	0	1.000	301	0	241	1.000	275	0	0	0.935
Zone - 033	Zn Block	529	0	1.000	301	0	241	1.000	275	0	0	0.935
1E-P-NW-S		1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 034	Zn Tot/Ave	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 034	Zn Block	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
4- 4W-P-N-MS		265	0	1.000	151	0	121	1.000	127	0	0	0.860
Zone - 035	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	127	0	0	0.860
Zone - 035	Zn Block	265	0	1.000	151	0	121	1.000	127	0	0	0.860
4- 4W-P-NW-L		253	0	0.667	135	0	52	0.481	179	0	0	0.850
Zone - 036	Zn Tot/Ave	253	0	0.667	135	0	52	0.481	179	0	0	0.850
Zone - 036	Zn Block	253	0	0.667	135	0	52	0.481	179	0	0	0.850
4- 4W-P-N-L		398	0	1.000	226	0	181	1.000	190	0	0	0.860
Zone - 037	Zn Tot/Ave	398	0	1.000	226	0	181	1.000	190	0	0	0.860
Zone - 037	Zn Block	398	0	1.000	226	0	181	1.000	190	0	0	0.860
1W-I-R		2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
Zone - 038	Zn Tot/Ave	2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
Zone - 038	Zn Block	2,370	0	1.000	1,349	0	1,079	1.000	1,145	0	0	0.870
1W-I-L		3,949	0	1.000	2,248	0	1,798	1.000	1,909	0	0	0.870
Zone - 039	Zn Tot/Ave	3,949	0	1.000	2,248	0	1,798	1.000	1,909	0	0	0.870
Zone - 039	Zn Block	3,949	0	1.000	2,248	0	1,798	1.000	1,909	0	0	0.870
IE-I-CN		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 040	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 040	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
1E-I-OO		11,836	0	1.000	6,736	0	5,389	1.000	5,721	0	0	0.870
Zone - 041	Zn Tot/Ave	11,836	0	1.000	6,736	0	5,389	1.000	5,721	0	0	0.870
Zone - 041	Zn Block	11,836	0	1.000	6,736	0	5,389	1.000	5,721	0	0	0.870
1E-I-S		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 042	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 042	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
1E-I-R		5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 043	Zn Tot/Ave	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 043	Zn Block	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
1E-I-L		9,863	0	1.000	5,614	0	4,491	1.000	4,767	0	0	0.870
Zone - 044	Zn Tot/Ave	9,863	0	1.000	5,614	0	4,491	1.000	4,767	0	0	0.870
Zone - 044	Zn Block	9,863	0	1.000	5,614	0	4,491	1.000	4,767	0	0	0.870
4- 4W-P-S-MS		272	0	1.000	155	0	124	1.000	130	0	0	0.860
Zone - 045	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	130	0	0	0.860
Zone - 045	Zn Block	272	0	1.000	155	0	124	1.000	130	0	0	0.860
4- 4E-P-SE-OO		6,997	0	1.000	3,982	0	3,186	1.000	3,382	0	0	0.870
Zone - 046	Zn Tot/Ave	6,997	0	1.000	3,982	0	3,186	1.000	3,382	0	0	0.870
Zone - 046	Zn Block	6,997	0	1.000	3,982	0	3,186	1.000	3,382	0	0	0.870
1W-P-SW-CN		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 047	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 047	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
1W-P-NW-R		379	0	1.000	216	0	173	1.000	197	0	0	0.935
Zone - 048	Zn Tot/Ave	379	0	1.000	216	0	173	1.000	197	0	0	0.935
Zone - 048	Zn Block	379	0	1.000	216	0	173	1.000	197	0	0	0.935
1W-P-NW-L		632	0	1.000	360	0	288	1.000	328	0	0	0.935
Zone - 049	Zn Tot/Ave	632	0	1.000	360	0	288	1.000	328	0	0	0.935
Zone - 049	Zn Block	632	0	1.000	360	0	288	1.000	328	0	0	0.935
4- 4E-P-SE-L		1,399	0	1.000	796	0	637	1.000	676	0	0	0.870
Zone - 050	Zn Tot/Ave	1,399	0	1.000	796	0	637	1.000	676	0	0	0.870
Zone - 050	Zn Block	1,399	0	1.000	796	0	637	1.000	676	0	0	0.870
4- 4E-P-SE-MS		933	0	1.000	531	0	425	1.000	451	0	0	0.870
Zone - 051	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	451	0	0	0.870
Zone - 051	Zn Block	933	0	1.000	531	0	425	1.000	451	0	0	0.870
3- 3W-P-N-CR		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 052	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 052	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
3- 3W-P-N-PO		265	0	1.000	151	0	121	1.000	128	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 053	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 053	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
4- 4E-I-MS		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 054	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 054	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
4- 4E-I-L		5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 055	Zn Tot/Ave	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
Zone - 055	Zn Block	5,918	0	1.000	3,368	0	2,695	1.000	2,860	0	0	0.870
4- 4E-I-OO		29,590	0	1.000	16,841	0	13,473	1.000	14,302	0	0	0.870
Zone - 056	Zn Tot/Ave	29,590	0	1.000	16,841	0	13,473	1.000	14,302	0	0	0.870
Zone - 056	Zn Block	29,590	0	1.000	16,841	0	13,473	1.000	14,302	0	0	0.870
4- 4W-I-L		2,370	0	1.000	1,349	0	1,079	1.000	1,132	0	0	0.860
Zone - 057	Zn Tot/Ave	2,370	0	1.000	1,349	0	1,079	1.000	1,132	0	0	0.860
Zone - 057	Zn Block	2,370	0	1.000	1,349	0	1,079	1.000	1,132	0	0	0.860
4- 4W-I-MS		1,580	0	1.000	899	0	719	1.000	755	0	0	0.860
Zone - 058	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	755	0	0	0.860
Zone - 058	Zn Block	1,580	0	1.000	899	0	719	1.000	755	0	0	0.860
4- 4W-I-OO		11,848	0	1.000	6,743	0	5,395	1.000	5,661	0	0	0.860
Zone - 059	Zn Tot/Ave	11,848	0	1.000	6,743	0	5,395	1.000	5,661	0	0	0.860
Zone - 059	Zn Block	11,848	0	1.000	6,743	0	5,395	1.000	5,661	0	0	0.860
4- 4E-P-NW-L		1,826	0	1.000	1,039	0	831	1.000	883	0	0	0.870
Zone - 060	Zn Tot/Ave	1,826	0	1.000	1,039	0	831	1.000	883	0	0	0.870
Zone - 060	Zn Block	1,826	0	1.000	1,039	0	831	1.000	883	0	0	0.870
4- 4E-P-NW-MS		1,217	0	1.000	693	0	554	1.000	588	0	0	0.870
Zone - 061	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	588	0	0	0.870
Zone - 061	Zn Block	1,217	0	1.000	693	0	554	1.000	588	0	0	0.870
4- 4E-P-W-OO		9,130	0	1.000	5,196	0	4,157	1.000	4,413	0	0	0.870
Zone - 062	Zn Tot/Ave	9,130	0	1.000	5,196	0	4,157	1.000	4,413	0	0	0.870
Zone - 062	Zn Block	9,130	0	1.000	5,196	0	4,157	1.000	4,413	0	0	0.870
4- 4E-P-NE-MS		353	0	1.000	201	0	161	1.000	171	0	0	0.870
Zone - 063	Zn Tot/Ave	353	0	1.000	201	0	161	1.000	171	0	0	0.870
Zone - 063	Zn Block	353	0	1.000	201	0	161	1.000	171	0	0	0.870
4- 4E-P-NE-L		529	0	1.000	301	0	241	1.000	256	0	0	0.870
Zone - 064	Zn Tot/Ave	529	0	1.000	301	0	241	1.000	256	0	0	0.870
Zone - 064	Zn Block	529	0	1.000	301	0	241	1.000	256	0	0	0.870
4- 4E-P-NE-00		2,647	0	1.000	1,507	0	1,205	1.000	1,279	0	0	0.870
Zone - 065	Zn Tot/Ave	2,647	0	1.000	1,507	0	1,205	1.000	1,279	0	0	0.870
Zone - 065	Zn Block	2,647	0	1.000	1,507	0	1,205	1.000	1,279	0	0	0.870
3- 3W-P-N-CN		133	0	1.000	75	0	60	1.000	64	0	0	0.870



# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 066	Zn Tot/Ave	133	0	1.000	75	0	60	1.000	64	0	0	0.870
Zone - 066	Zn Block	133	0	1.000	75	0	60	1.000	64	0	0	0.870
3- 3W-P-N-OO		1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 067	Zn Tot/Ave	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 067	Zn Block	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
3- 3W-P-NW-CN		126	0	1.000	72	0	58	1.000	66	0	0	0.935
Zone - 068	Zn Tot/Ave	126	0	1.000	72	0	58	1.000	66	0	0	0.935
Zone - 068	Zn Block	126	0	1.000	72	0	58	1.000	66	0	0	0.935
3- 3W-P-NW-CR		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 069	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 069	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
3- 3W-P-SW-PO		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 070	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 070	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
3- 3W-P-NW-PO		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 071	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 071	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
3- 3W-P-NW-OO		1,896	0	1.000	1,079	0	863	1.000	985	0	0	0.935
Zone - 072	Zn Tot/Ave	1,896	0	1.000	1,079	0	863	1.000	985	0	0	0.935
Zone - 072	Zn Block	1,896	0	1.000	1,079	0	863	1.000	985	0	0	0.935
3- 3W-P-SW-CN		286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 073	Zn Tot/Ave	286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 073	Zn Block	286	0	1.000	163	0	130	1.000	138	0	0	0.870
2- 2W-P-S-OO		2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 074	Zn Tot/Ave	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 074	Zn Block	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
2- 2W-P-S-CN		136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 075	Zn Tot/Ave	136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 075	Zn Block	136	0	1.000	78	0	62	1.000	64	0	0	0.845
2- 2E-P-SE-CN		466	0	1.000	265	0	212	1.000	233	0	0	0.900
Zone - 076	Zn Tot/Ave	466	0	1.000	265	0	212	1.000	233	0	0	0.900
Zone - 076	Zn Block	466	0	1.000	265	0	212	1.000	233	0	0	0.900
2- 2E-P-SE-PO		933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 077	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 077	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
2- 2W-P-S-CR		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 078	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 078	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
2- 2E-P-SE-CR		933	0	1.000	531	0	425	1.000	466	0	0	0.900

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 079	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	466	0	0	0.900
Zone - 079	Zn Block	933	0	1.000	531	0	425	1.000	466	0	0	0.900
2- 2E-P-NE-PO		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 080	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 080	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
2- 2E-P-SE-OO		6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
Zone - 081	Zn Tot/Ave	6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
Zone - 081	Zn Block	6,997	0	1.000	3,982	0	3,186	1.000	3,498	0	0	0.900
2- 2E-P-NE-OO		1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
Zone - 082	Zn Tot/Ave	1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
Zone - 082	Zn Block	1,059	0	0.400	294	0	362	0.242	846	0	0	0.575
2- 2E-P-NE-CR		141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 083	Zn Tot/Ave	141	0	0.400	39	0	48	0.242	113	0	0	0.575
Zone - 083	Zn Block	141	0	0.400	39	0	48	0.242	113	0	0	0.575
2- 2E-P-NW-PO		1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 084	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 084	Zn Block	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
2- 2E-P-NW-CR		1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 085	Zn Tot/Ave	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
Zone - 085	Zn Block	1,217	0	1.000	693	0	554	1.000	632	0	0	0.935
2- 2E-P-NE-CN		71	0	0.400	20	0	24	0.242	56	0	0	0.575
Zone - 086	Zn Tot/Ave	71	0	0.400	20	0	24	0.242	56	0	0	0.575
Zone - 086	Zn Block	71	0	0.400	20	0	24	0.242	56	0	0	0.575
2- 2E-P-NW-CN		609	0	1.000	346	0	277	1.000	316	0	0	0.935
Zone - 087	Zn Tot/Ave	609	0	1.000	346	0	277	1.000	316	0	0	0.935
Zone - 087	Zn Block	609	0	1.000	346	0	277	1.000	316	0	0	0.935
2- 2E-P-NW-OO		9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
Zone - 088	Zn Tot/Ave	9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
Zone - 088	Zn Block	9,130	0	1.000	5,196	0	4,157	1.000	4,742	0	0	0.935
2- 2W-I-SM		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 089	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 089	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
2- 2W-I-CN		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 090	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 090	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
2- 2W-I-CR		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 091	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 091	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
2- 2E-I-SM		7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 092	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 092	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
1W-P-NW-M		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 093	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 093	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
2- 2E-I-CR		3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 094	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
Zone - 094	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,907	0	0	0.870
2- 2W-I-OO		7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 095	Zn Tot/Ave	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 095	Zn Block	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
2- 2E-I-OO		19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
Zone - 096	Zn Tot/Ave	19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
Zone - 096	Zn Block	19,726	0	1.000	11,227	0	8,982	1.000	9,534	0	0	0.870
1W-P-N-CN		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 097	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 097	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
1W-P-N-S		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 098	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 098	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
1W-P-N-OO		795	0	1.000	453	0	362	1.000	384	0	0	0.870
Zone - 099	Zn Tot/Ave	795	0	1.000	453	0	362	1.000	384	0	0	0.870
Zone - 099	Zn Block	795	0	1.000	453	0	362	1.000	384	0	0	0.870
1W-P-N-M		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 100	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 100	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
1W-P-N-L		6,627	0	1.000	3,772	0	3,017	1.000	3,203	0	0	0.870
Zone - 101	Zn Tot/Ave	6,627	0	1.000	3,772	0	3,017	1.000	3,203	0	0	0.870
Zone - 101	Zn Block	6,627	0	1.000	3,772	0	3,017	1.000	3,203	0	0	0.870
1W-P-N-R		398	0	1.000	226	0	181	1.000	192	0	0	0.870
Zone - 102	Zn Tot/Ave	398	0	1.000	226	0	181	1.000	192	0	0	0.870
Zone - 102	Zn Block	398	0	1.000	226	0	181	1.000	192	0	0	0.870
1W-P-NW-CN		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 103	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 103	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
1W-P-NW-S		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 104	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 104	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
1W-P-NW-OO		758	0	1.000	432	0	345	1.000	394	0	0	0.935

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 105	Zn Tot/Ave	758	0	1.000	432	0	345	1.000	394	0	0	0.935
Zone - 105	Zn Block	758	0	1.000	432	0	345	1.000	394	0	0	0.935
2- 2E-I-CN		7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 106	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
Zone - 106	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,814	0	0	0.870
2- 2W-P-SW-CN		286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 107	Zn Tot/Ave	286	0	1.000	163	0	130	1.000	138	0	0	0.870
Zone - 107	Zn Block	286	0	1.000	163	0	130	1.000	138	0	0	0.870
2- 2W-P-NW-OO		1,896	0	1.000	1,079	0	863	1.000	985	0	0	0.935
Zone - 108	Zn Tot/Ave	1,896	0	1.000	1,079	0	863	1.000	985	0	0	0.935
Zone - 108	Zn Block	1,896	0	1.000	1,079	0	863	1.000	985	0	0	0.935
2- 2W-P-SW-PO		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 109	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 109	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
2- 2W-P-NW-CR		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 110	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 110	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
2- 2W-P-NW-PO		253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 111	Zn Tot/Ave	253	0	1.000	144	0	115	1.000	131	0	0	0.935
Zone - 111	Zn Block	253	0	1.000	144	0	115	1.000	131	0	0	0.935
2- 2W-P-NW-CN		126	0	1.000	72	0	58	1.000	66	0	0	0.935
Zone - 112	Zn Tot/Ave	126	0	1.000	72	0	58	1.000	66	0	0	0.935
Zone - 112	Zn Block	126	0	1.000	72	0	58	1.000	66	0	0	0.935
1W-I-M		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 113	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 113	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
1W-I-OO		4,739	0	1.000	2,697	0	2,158	1.000	2,291	0	0	0.870
Zone - 114	Zn Tot/Ave	4,739	0	1.000	2,697	0	2,158	1.000	2,291	0	0	0.870
Zone - 114	Zn Block	4,739	0	1.000	2,697	0	2,158	1.000	2,291	0	0	0.870
1W-I-S		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 115	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 115	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
1W-I-CN		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 116	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 116	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
1E-P-NW-R		1,826	0	1.000	1,039	0	831	1.000	948	0	0	0.935
Zone - 117	Zn Tot/Ave	1,826	0	1.000	1,039	0	831	1.000	948	0	0	0.935
Zone - 117	Zn Block	1,826	0	1.000	1,039	0	831	1.000	948	0	0	0.935
1E-P-NW-L		3,043	0	1.000	1,732	0	1,386	1.000	1,581	0	0	0.935

**INTERNAL COOLING LOADS**  
**AT SPACE PEAK**  
 By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 118	Zn Tot/Ave	3,043	0	1.000	1,732	0	1,386	1.000	1,581	0	0	0.935
Zone - 118	Zn Block	3,043	0	1.000	1,732	0	1,386	1.000	1,581	0	0	0.935
1E-P-NW-M		1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 119	Zn Tot/Ave	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
Zone - 119	Zn Block	1,218	0	1.000	693	0	555	1.000	633	0	0	0.935
1E-P-NW-OO		3,652	0	1.000	2,078	0	1,663	1.000	1,897	0	0	0.935
Zone - 120	Zn Tot/Ave	3,652	0	1.000	2,078	0	1,663	1.000	1,897	0	0	0.935
Zone - 120	Zn Block	3,652	0	1.000	2,078	0	1,663	1.000	1,897	0	0	0.935
2- 2W-P-S-PO		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 121	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 121	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
2- 2W-P-SW-CR		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 122	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 122	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
2- 2W-P-SW-OO		4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 123	Zn Tot/Ave	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 123	Zn Block	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
2- 2W-P-N-OO		1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 124	Zn Tot/Ave	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
Zone - 124	Zn Block	1,988	0	1.000	1,132	0	905	1.000	961	0	0	0.870
2- 2W-P-N-CN		133	0	1.000	75	0	60	1.000	64	0	0	0.870
Zone - 125	Zn Tot/Ave	133	0	1.000	75	0	60	1.000	64	0	0	0.870
Zone - 125	Zn Block	133	0	1.000	75	0	60	1.000	64	0	0	0.870
2- 2W-P-N-CR		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 126	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 126	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
2- 2W-P-N-PO		265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 127	Zn Tot/Ave	265	0	1.000	151	0	121	1.000	128	0	0	0.870
Zone - 127	Zn Block	265	0	1.000	151	0	121	1.000	128	0	0	0.870
3- 3E-I-OO		19,726	0	1.000	11,227	0	8,982	1.000	9,425	0	0	0.860
Zone - 128	Zn Tot/Ave	19,726	0	1.000	11,227	0	8,982	1.000	9,425	0	0	0.860
Zone - 128	Zn Block	19,726	0	1.000	11,227	0	8,982	1.000	9,425	0	0	0.860
3- 3E-I-CR		3,945	0	1.000	2,245	0	1,796	1.000	1,885	0	0	0.860
Zone - 129	Zn Tot/Ave	3,945	0	1.000	2,245	0	1,796	1.000	1,885	0	0	0.860
Zone - 129	Zn Block	3,945	0	1.000	2,245	0	1,796	1.000	1,885	0	0	0.860
3- 3E-I-CN		7,891	0	1.000	4,491	0	3,593	1.000	3,770	0	0	0.860
Zone - 130	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,770	0	0	0.860
Zone - 130	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,770	0	0	0.860
3- 3E-I-SM		7,891	0	1.000	4,491	0	3,593	1.000	3,770	0	0	0.860

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 131	Zn Tot/Ave	7,891	0	1.000	4,491	0	3,593	1.000	3,770	0	0	0.860
Zone - 131	Zn Block	7,891	0	1.000	4,491	0	3,593	1.000	3,770	0	0	0.860
3- 3W-I-OO		7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 132	Zn Tot/Ave	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
Zone - 132	Zn Block	7,899	0	1.000	4,496	0	3,597	1.000	3,818	0	0	0.870
3- 3W-I-CR		1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 133	Zn Tot/Ave	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
Zone - 133	Zn Block	1,580	0	1.000	899	0	719	1.000	764	0	0	0.870
3- 3W-I-CN		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 134	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 134	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
3- 3W-I-SM		3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 135	Zn Tot/Ave	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
Zone - 135	Zn Block	3,160	0	1.000	1,798	0	1,439	1.000	1,527	0	0	0.870
3- 3E-P-NW-OO		6,087	0	0.667	3,256	0	1,247	0.481	4,311	0	0	0.850
Zone - 136	Zn Tot/Ave	6,087	0	0.667	3,256	0	1,247	0.481	4,311	0	0	0.850
Zone - 136	Zn Block	6,087	0	0.667	3,256	0	1,247	0.481	4,311	0	0	0.850
3- 3E-P-NW-CN		406	0	0.667	217	0	83	0.481	287	0	0	0.850
Zone - 137	Zn Tot/Ave	406	0	0.667	217	0	83	0.481	287	0	0	0.850
Zone - 137	Zn Block	406	0	0.667	217	0	83	0.481	287	0	0	0.850
3- 3E-P-NW-CR		812	0	0.667	434	0	166	0.481	575	0	0	0.850
Zone - 138	Zn Tot/Ave	812	0	0.667	434	0	166	0.481	575	0	0	0.850
Zone - 138	Zn Block	812	0	0.667	434	0	166	0.481	575	0	0	0.850
3- 3E-P-NW-PO		812	0	0.667	434	0	166	0.481	575	0	0	0.850
Zone - 139	Zn Tot/Ave	812	0	0.667	434	0	166	0.481	575	0	0	0.850
Zone - 139	Zn Block	812	0	0.667	434	0	166	0.481	575	0	0	0.850
3- 3E-P-NE-CR		271	0	0.767	121	0	161	0.780	139	0	0	0.710
Zone - 140	Zn Tot/Ave	271	0	0.767	121	0	161	0.780	139	0	0	0.710
Zone - 140	Zn Block	271	0	0.767	121	0	161	0.780	139	0	0	0.710
3- 3E-P-NE-OO		2,029	0	0.767	909	0	1,205	0.780	1,044	0	0	0.710
Zone - 141	Zn Tot/Ave	2,029	0	0.767	909	0	1,205	0.780	1,044	0	0	0.710
Zone - 141	Zn Block	2,029	0	0.767	909	0	1,205	0.780	1,044	0	0	0.710
3- 3E-P-NE-CN		135	0	0.767	61	0	80	0.780	70	0	0	0.710
Zone - 142	Zn Tot/Ave	135	0	0.767	61	0	80	0.780	70	0	0	0.710
Zone - 142	Zn Block	135	0	0.767	61	0	80	0.780	70	0	0	0.710
3- 3E-P-SE-OO		6,997	0	1.000	3,982	0	3,186	1.000	3,615	0	0	0.930
Zone - 143	Zn Tot/Ave	6,997	0	1.000	3,982	0	3,186	1.000	3,615	0	0	0.930
Zone - 143	Zn Block	6,997	0	1.000	3,982	0	3,186	1.000	3,615	0	0	0.930
3- 3E-P-NE-PO		271	0	0.767	121	0	161	0.780	139	0	0	0.710

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room		Lights			People				Misc. Equipment			
		Space Load Btu/h	Ret Air Load Btu/h	CLF	Space Sensible Btu/h	Ret Air Sensible Btu/h	Space Latent Btu/h	CLF	Space Sensible Btu/h	Space Latent Btu/h	Ret Air Load Btu/h	CLF
Zone - 144	Zn Tot/Ave	271	0	0.767	121	0	161	0.780	139	0	0	0.710
Zone - 144	Zn Block	271	0	0.767	121	0	161	0.780	139	0	0	0.710
3- 3E-P-SE-CR		933	0	1.000	531	0	425	1.000	482	0	0	0.930
Zone - 145	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	482	0	0	0.930
Zone - 145	Zn Block	933	0	1.000	531	0	425	1.000	482	0	0	0.930
3- 3E-P-SE-PO		933	0	1.000	531	0	425	1.000	482	0	0	0.930
Zone - 146	Zn Tot/Ave	933	0	1.000	531	0	425	1.000	482	0	0	0.930
Zone - 146	Zn Block	933	0	1.000	531	0	425	1.000	482	0	0	0.930
3- 3E-P-SE-CN		466	0	1.000	265	0	212	1.000	241	0	0	0.930
Zone - 147	Zn Tot/Ave	466	0	1.000	265	0	212	1.000	241	0	0	0.930
Zone - 147	Zn Block	466	0	1.000	265	0	212	1.000	241	0	0	0.930
3- 3W-P-S-CR		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 148	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 148	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
3- 3W-P-S-OO		2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 149	Zn Tot/Ave	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
Zone - 149	Zn Block	2,043	0	1.000	1,163	0	930	1.000	959	0	0	0.845
3- 3W-P-S-CN		136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 150	Zn Tot/Ave	136	0	1.000	78	0	62	1.000	64	0	0	0.845
Zone - 150	Zn Block	136	0	1.000	78	0	62	1.000	64	0	0	0.845
3- 3W-P-S-PO		272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 151	Zn Tot/Ave	272	0	1.000	155	0	124	1.000	128	0	0	0.845
Zone - 151	Zn Block	272	0	1.000	155	0	124	1.000	128	0	0	0.845
3- 3W-P-SW-CR		573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 152	Zn Tot/Ave	573	0	1.000	326	0	261	1.000	277	0	0	0.870
Zone - 152	Zn Block	573	0	1.000	326	0	261	1.000	277	0	0	0.870
3- 3W-P-SW-OO		4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 153	Zn Tot/Ave	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
Zone - 153	Zn Block	4,297	0	1.000	2,445	0	1,956	1.000	2,077	0	0	0.870
<b>AHUs vav w/ rh</b>	<b>Sys Tot/Ave</b>	<b>369,994</b>	<b>0</b>	<b>0.975</b>	<b>209,157</b>	<b>0</b>	<b>166,088</b>	<b>0.962</b>	<b>183,330</b>	<b>0</b>	<b>0</b>	<b>0.869</b>
<b>AHUs vav w/ rh</b>	<b>Sys Block</b>	<b>379,636</b>	<b>0</b>	<b>1.000</b>	<b>216,069</b>	<b>0</b>	<b>172,855</b>	<b>1.000</b>	<b>196,944</b>	<b>0</b>	<b>0</b>	<b>0.934</b>

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 001	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 002	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 003	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 004	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-SW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 005	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 006	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 007	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 008	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 009	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 010	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 011	Zn Block	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
1E-I-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 012	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 014	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 015	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 016	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 017	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 018	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 019	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-S-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 020	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 021	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 022	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 023	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
1E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 024	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 025	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-SE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 026	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 027	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 028	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 029	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 030	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 031	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 032	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NE-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 033	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 034	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
4- 4W-P-N-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 035	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 035	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 036	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 036	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-N-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 037	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 037	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 038	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 038	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 039	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 039	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 040	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 040	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 041	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 041	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 042	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 042	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 043	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 043	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 044	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 044	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-P-S-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 045	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 045	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 046	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 047	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 048	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 049	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 050	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-SE-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 051	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 052	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 053	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 054	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 055	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 056	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
4- 4W-I-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 057	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 058	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 059	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 060	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NW-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 061	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-W-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 062	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-MS	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 063	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 064	Zn Block	0	0	0	0	0	0	0	0.0	0.0
4- 4E-P-NE-00	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 065	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 066	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 067	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
3- 3W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 068	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 069	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 070	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 071	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 072	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 073	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 074	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 075	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 076	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 077	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 078	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 079	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 080	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 081	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 082	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 083	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 084	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 085	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 086	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 087	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 088	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 089	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2W-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 090 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 091 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 092 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 093 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 094 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 095 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 096 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 097 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 098 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 099 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-M	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100 Zn Tot/Ave	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 100 Zn Block	0	0	0	0	0	0	0	0	0.0	0.0



# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
1W-P-N-L	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 101	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-N-R	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 102	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 103	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-S	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 104	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 105	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 106	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 107	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 108	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 109	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 110	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 111	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2W-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 112	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 112	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-M		0	0	0	0	0	0	0	0.0	0.0
Zone - 113	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 113	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-OO		0	0	0	0	0	0	0	0.0	0.0
Zone - 114	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 114	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-S		0	0	0	0	0	0	0	0.0	0.0
Zone - 115	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 115	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1W-I-CN		0	0	0	0	0	0	0	0.0	0.0
Zone - 116	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 116	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-R		0	0	0	0	0	0	0	0.0	0.0
Zone - 117	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 117	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-L		0	0	0	0	0	0	0	0.0	0.0
Zone - 118	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 118	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-M		0	0	0	0	0	0	0	0.0	0.0
Zone - 119	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 119	Zn Block	0	0	0	0	0	0	0	0.0	0.0
1E-P-NW-OO		0	0	0	0	0	0	0	0.0	0.0
Zone - 120	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 120	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-S-PO		0	0	0	0	0	0	0	0.0	0.0
Zone - 121	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 121	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-SW-CR		0	0	0	0	0	0	0	0.0	0.0
Zone - 122	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 122	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
2- 2W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 123	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 124	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 125	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 126	Zn Block	0	0	0	0	0	0	0	0.0	0.0
2- 2W-P-N-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 127	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 128	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 129	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 130	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 131	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 132	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 133	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer °F	Stratified Upper Layer °F
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
3- 3W-I-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 134	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-I-SM	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 135	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 136	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 137	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 138	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NW-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 139	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 140	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 141	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 142	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 143	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-NE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 144	Zn Block	0	0	0	0	0	0	0	0.0	0.0

# INTERNAL COOLING LOADS

## AT SPACE PEAK

By Trial

System Zone Room	Internal Loads to Stratified Upper Layer				Envelope Loads to Stratified Upper Layer				Room Temperatures	
	People Sens Load To Stratified	Lighting Load To Stratified	Misc Sens Load To Stratified	Internal Lds Total To Stratified	Wall Conduction To Stratified	Glass Conduction To Stratified	Solar Load To Stratified	Envelope Total To Stratified	Occupied Lower Layer	Stratified Upper Layer
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	°F	°F
3- 3E-P-SE-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 145	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 145	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 146	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 146	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3E-P-SE-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 147	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 147	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 148	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 148	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 149	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 149	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-CN	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 150	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 150	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-S-PO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 151	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 151	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-CR	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 152	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 152	Zn Block	0	0	0	0	0	0	0	0.0	0.0
3- 3W-P-SW-OO	0	0	0	0	0	0	0	0	0.0	0.0
Zone - 153	Zn Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
Zone - 153	Zn Block	0	0	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh	Sys Tot/Ave	0	0	0	0	0	0	0	0.0	0.0
AHUs vav w/ rh	Sys Block	0	0	0	0	0	0	0	0.0	0.0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

### HEATING

System Zone Room	O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h	Latent Btu/h	Total Btu/h
<b>Alternative 1</b>								
4- 4W-P-NW-OO	0	0	0	0	0	0	0	0
Zone - 001	0	0	0	0	0	0	0	0
Zone - 001	0	0	0	0	0	0	0	0
4- 4W-P-NW-MS	0	0	0	0	0	0	0	0
Zone - 002	0	0	0	0	0	0	0	0
Zone - 002	0	0	0	0	0	0	0	0
4- 4W-P-SW-OO	0	0	0	0	0	0	0	0
Zone - 003	0	0	0	0	0	0	0	0
Zone - 003	0	0	0	0	0	0	0	0
4- 4W-P-SW-L	0	0	0	0	0	0	0	0
Zone - 004	0	0	0	0	0	0	0	0
Zone - 004	0	0	0	0	0	0	0	0
4- 4W-P-SW-MS	0	0	0	0	0	0	0	0
Zone - 005	0	0	0	0	0	0	0	0
Zone - 005	0	0	0	0	0	0	0	0
4- 4W-P-S-OO	0	0	0	0	0	0	0	0
Zone - 006	0	0	0	0	0	0	0	0
Zone - 006	0	0	0	0	0	0	0	0
4- 4W-P-S-L	0	0	0	0	0	0	0	0
Zone - 007	0	0	0	0	0	0	0	0
Zone - 007	0	0	0	0	0	0	0	0
1W-P-SW-M	0	0	0	0	0	0	0	0
Zone - 008	0	0	0	0	0	0	0	0
Zone - 008	0	0	0	0	0	0	0	0
1W-P-SW-OO	0	0	0	0	0	0	0	0
Zone - 009	0	0	0	0	0	0	0	0
Zone - 009	0	0	0	0	0	0	0	0
1W-P-SW-S	0	0	0	0	0	0	0	0
Zone - 010	0	0	0	0	0	0	0	0
Zone - 010	0	0	0	0	0	0	0	0
1W-P-SW-L	0	0	0	0	0	0	0	0
Zone - 011	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 011	Zn Block	0	0	0	0	0	0	0	0
1E-I-M		0	0	0	0	0	0	0	0
Zone - 012	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 012	Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-R		0	0	0	0	0	0	0	0
Zone - 014	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 014	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-CN		0	0	0	0	0	0	0	0
Zone - 015	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 015	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-S		0	0	0	0	0	0	0	0
Zone - 016	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 016	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-M		0	0	0	0	0	0	0	0
Zone - 017	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 017	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-OO		0	0	0	0	0	0	0	0
Zone - 018	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 018	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-L		0	0	0	0	0	0	0	0
Zone - 019	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 019	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-R		0	0	0	0	0	0	0	0
Zone - 020	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 020	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-CN		0	0	0	0	0	0	0	0
Zone - 021	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 021	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-S		0	0	0	0	0	0	0	0
Zone - 022	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 022	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-M		0	0	0	0	0	0	0	0
Zone - 023	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

### HEATING

System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible      Latent Btu/h      Btu/h		Total Btu/h
Zone - 023	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 024	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 024	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-R		0	0	0	0	0	0	0	0
Zone - 025	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 025	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-L		0	0	0	0	0	0	0	0
Zone - 026	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 026	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-CN		0	0	0	0	0	0	0	0
Zone - 027	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 027	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-S		0	0	0	0	0	0	0	0
Zone - 028	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 028	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-OO		0	0	0	0	0	0	0	0
Zone - 029	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 029	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-L		0	0	0	0	0	0	0	0
Zone - 030	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 030	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-M		0	0	0	0	0	0	0	0
Zone - 031	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 031	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 032	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 032	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-R		0	0	0	0	0	0	0	0
Zone - 033	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 033	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-S		0	0	0	0	0	0	0	0
Zone - 034	Zn Total/Ave	0	0	0	0	0	0	0	0



# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 034	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-N-MS		0	0	0	0	0	0	0	0
Zone - 035	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 035	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-NW-L		0	0	0	0	0	0	0	0
Zone - 036	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 036	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-N-L		0	0	0	0	0	0	0	0
Zone - 037	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 037	Zn Block	0	0	0	0	0	0	0	0
1W-I-R		0	0	0	0	0	0	0	0
Zone - 038	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 038	Zn Block	0	0	0	0	0	0	0	0
1W-I-L		0	0	0	0	0	0	0	0
Zone - 039	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 039	Zn Block	0	0	0	0	0	0	0	0
IE-I-CN		0	0	0	0	0	0	0	0
Zone - 040	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 040	Zn Block	0	0	0	0	0	0	0	0
1E-I-OO		0	0	0	0	0	0	0	0
Zone - 041	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 041	Zn Block	0	0	0	0	0	0	0	0
1E-I-S		0	0	0	0	0	0	0	0
Zone - 042	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 042	Zn Block	0	0	0	0	0	0	0	0
1E-I-R		0	0	0	0	0	0	0	0
Zone - 043	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 043	Zn Block	0	0	0	0	0	0	0	0
1E-I-L		0	0	0	0	0	0	0	0
Zone - 044	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 044	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-S-MS		0	0	0	0	0	0	0	0
Zone - 045	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h	Latent Btu/h	Total Btu/h
Zone - 045	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 046	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 046	Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-CN		0	0	0	0	0	0	0	0
Zone - 047	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 047	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-R		0	0	0	0	0	0	0	0
Zone - 048	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 048	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-L		0	0	0	0	0	0	0	0
Zone - 049	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 049	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-SE-L		0	0	0	0	0	0	0	0
Zone - 050	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 050	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-SE-MS		0	0	0	0	0	0	0	0
Zone - 051	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 051	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-CR		0	0	0	0	0	0	0	0
Zone - 052	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 052	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-PO		0	0	0	0	0	0	0	0
Zone - 053	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 053	Zn Block	0	0	0	0	0	0	0	0
4- 4E-I-MS		0	0	0	0	0	0	0	0
Zone - 054	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 054	Zn Block	0	0	0	0	0	0	0	0
4- 4E-I-L		0	0	0	0	0	0	0	0
Zone - 055	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 055	Zn Block	0	0	0	0	0	0	0	0
4- 4E-I-OO		0	0	0	0	0	0	0	0
Zone - 056	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 056	Zn Block	0	0	0	0	0	0	0	0
4- 4W-I-L		0	0	0	0	0	0	0	0
Zone - 057	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 057	Zn Block	0	0	0	0	0	0	0	0
4- 4W-I-MS		0	0	0	0	0	0	0	0
Zone - 058	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 058	Zn Block	0	0	0	0	0	0	0	0
4- 4W-I-OO		0	0	0	0	0	0	0	0
Zone - 059	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 059	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NW-L		0	0	0	0	0	0	0	0
Zone - 060	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 060	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NW-MS		0	0	0	0	0	0	0	0
Zone - 061	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 061	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-W-OO		0	0	0	0	0	0	0	0
Zone - 062	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 062	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NE-MS		0	0	0	0	0	0	0	0
Zone - 063	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 063	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NE-L		0	0	0	0	0	0	0	0
Zone - 064	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 064	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NE-00		0	0	0	0	0	0	0	0
Zone - 065	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 065	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-CN		0	0	0	0	0	0	0	0
Zone - 066	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 066	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-OO		0	0	0	0	0	0	0	0
Zone - 067	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible      Latent Btu/h          Btu/h		Total Btu/h
Zone - 067	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 068	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 068	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 069	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 069	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-PO		0	0	0	0	0	0	0	0
Zone - 070	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 070	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 071	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 071	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 072	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 072	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-CN		0	0	0	0	0	0	0	0
Zone - 073	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 073	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-OO		0	0	0	0	0	0	0	0
Zone - 074	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 074	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-CN		0	0	0	0	0	0	0	0
Zone - 075	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 075	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-CN		0	0	0	0	0	0	0	0
Zone - 076	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 076	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-PO		0	0	0	0	0	0	0	0
Zone - 077	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 077	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-CR		0	0	0	0	0	0	0	0
Zone - 078	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

### HEATING

System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 078	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-CR		0	0	0	0	0	0	0	0
Zone - 079	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 079	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-PO		0	0	0	0	0	0	0	0
Zone - 080	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 080	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 081	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 081	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-OO		0	0	0	0	0	0	0	0
Zone - 082	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 082	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-CR		0	0	0	0	0	0	0	0
Zone - 083	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 083	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 084	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 084	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 085	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 085	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-CN		0	0	0	0	0	0	0	0
Zone - 086	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 086	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 087	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 087	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 088	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 088	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-SM		0	0	0	0	0	0	0	0
Zone - 089	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage —		Total Btu/h
							Sensible Btu/h	Latent Btu/h	
Zone - 089	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-CN		0	0	0	0	0	0	0	0
Zone - 090	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 090	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-CR		0	0	0	0	0	0	0	0
Zone - 091	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 091	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-SM		0	0	0	0	0	0	0	0
Zone - 092	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 092	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-M		0	0	0	0	0	0	0	0
Zone - 093	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 093	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-CR		0	0	0	0	0	0	0	0
Zone - 094	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 094	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-OO		0	0	0	0	0	0	0	0
Zone - 095	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 095	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-OO		0	0	0	0	0	0	0	0
Zone - 096	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 096	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-CN		0	0	0	0	0	0	0	0
Zone - 097	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 097	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-S		0	0	0	0	0	0	0	0
Zone - 098	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 098	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-OO		0	0	0	0	0	0	0	0
Zone - 099	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 099	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-M		0	0	0	0	0	0	0	0
Zone - 100	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 100	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-L		0	0	0	0	0	0	0	0
Zone - 101	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 101	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-R		0	0	0	0	0	0	0	0
Zone - 102	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 102	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 103	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 103	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-S		0	0	0	0	0	0	0	0
Zone - 104	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 104	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 105	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 105	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-CN		0	0	0	0	0	0	0	0
Zone - 106	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 106	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-CN		0	0	0	0	0	0	0	0
Zone - 107	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 107	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 108	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 108	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-PO		0	0	0	0	0	0	0	0
Zone - 109	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 109	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 110	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 110	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 111	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h	Latent Btu/h	Total Btu/h
Zone - 111	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 112	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 112	Zn Block	0	0	0	0	0	0	0	0
1W-I-M		0	0	0	0	0	0	0	0
Zone - 113	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 113	Zn Block	0	0	0	0	0	0	0	0
1W-I-OO		0	0	0	0	0	0	0	0
Zone - 114	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 114	Zn Block	0	0	0	0	0	0	0	0
1W-I-S		0	0	0	0	0	0	0	0
Zone - 115	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 115	Zn Block	0	0	0	0	0	0	0	0
1W-I-CN		0	0	0	0	0	0	0	0
Zone - 116	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 116	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-R		0	0	0	0	0	0	0	0
Zone - 117	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 117	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-L		0	0	0	0	0	0	0	0
Zone - 118	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 118	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-M		0	0	0	0	0	0	0	0
Zone - 119	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 119	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 120	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 120	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-PO		0	0	0	0	0	0	0	0
Zone - 121	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 121	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-CR		0	0	0	0	0	0	0	0
Zone - 122	Zn Total/Ave	0	0	0	0	0	0	0	0



# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 122	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-OO		0	0	0	0	0	0	0	0
Zone - 123	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 123	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-OO		0	0	0	0	0	0	0	0
Zone - 124	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 124	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-CN		0	0	0	0	0	0	0	0
Zone - 125	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 125	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-CR		0	0	0	0	0	0	0	0
Zone - 126	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 126	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-PO		0	0	0	0	0	0	0	0
Zone - 127	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 127	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-OO		0	0	0	0	0	0	0	0
Zone - 128	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 128	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-CR		0	0	0	0	0	0	0	0
Zone - 129	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 129	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-CN		0	0	0	0	0	0	0	0
Zone - 130	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 130	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-SM		0	0	0	0	0	0	0	0
Zone - 131	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 131	Zn Block	0	0	0	0	0	0	0	0
3- 3W-I-OO		0	0	0	0	0	0	0	0
Zone - 132	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 132	Zn Block	0	0	0	0	0	0	0	0
3- 3W-I-CR		0	0	0	0	0	0	0	0
Zone - 133	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>								
System	Zone Room	O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h      Latent Btu/h		Total Btu/h	
	Zone - 133	Zn Block	0	0	0	0	0	0	0	0
3-	3W-I-CN		0	0	0	0	0	0	0	0
	Zone - 134	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 134	Zn Block	0	0	0	0	0	0	0	0
3-	3W-I-SM		0	0	0	0	0	0	0	0
	Zone - 135	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 135	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NW-OO		0	0	0	0	0	0	0	0
	Zone - 136	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 136	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NW-CN		0	0	0	0	0	0	0	0
	Zone - 137	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 137	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NW-CR		0	0	0	0	0	0	0	0
	Zone - 138	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 138	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NW-PO		0	0	0	0	0	0	0	0
	Zone - 139	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 139	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NE-CR		0	0	0	0	0	0	0	0
	Zone - 140	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 140	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NE-OO		0	0	0	0	0	0	0	0
	Zone - 141	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 141	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NE-CN		0	0	0	0	0	0	0	0
	Zone - 142	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 142	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-SE-OO		0	0	0	0	0	0	0	0
	Zone - 143	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 143	Zn Block	0	0	0	0	0	0	0	0
3-	3E-P-NE-PO		0	0	0	0	0	0	0	0
	Zone - 144	Zn Total/Ave	0	0	0	0	0	0	0	0

**AIRFLOW HEAT GAIN & LOSS**  
**AT SPACE PEAK**  
 By Trial

**HEATING**

System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 144	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-CR		0	0	0	0	0	0	0	0
Zone - 145	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 145	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-PO		0	0	0	0	0	0	0	0
Zone - 146	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 146	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-CN		0	0	0	0	0	0	0	0
Zone - 147	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 147	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-CR		0	0	0	0	0	0	0	0
Zone - 148	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 148	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-OO		0	0	0	0	0	0	0	0
Zone - 149	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 149	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-CN		0	0	0	0	0	0	0	0
Zone - 150	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 150	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-PO		0	0	0	0	0	0	0	0
Zone - 151	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 151	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-CR		0	0	0	0	0	0	0	0
Zone - 152	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 152	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-OO		0	0	0	0	0	0	0	0
Zone - 153	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 153	Zn Block	0	0	0	0	0	0	0	0
<b>AHUs vav w/ rh</b>	Sys Total/Ave	0	0	0	0	0	0	0	0
<b>AHUs vav w/ rh</b>	Sys Block	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

### HEATING

System Zone Room	O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Latent Btu/h Btu/h		Total Btu/h
<b>Alternative 2</b>								
4- 4W-P-NW-OO	0	0	0	0	0	0	0	0
Zone - 001	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-NW-MS	0	0	0	0	0	0	0	0
Zone - 002	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-SW-OO	0	0	0	0	0	0	0	0
Zone - 003	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-SW-L	0	0	0	0	0	0	0	0
Zone - 004	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-SW-MS	0	0	0	0	0	0	0	0
Zone - 005	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-S-OO	0	0	0	0	0	0	0	0
Zone - 006	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-S-L	0	0	0	0	0	0	0	0
Zone - 007	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-M	0	0	0	0	0	0	0	0
Zone - 008	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-OO	0	0	0	0	0	0	0	0
Zone - 009	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-S	0	0	0	0	0	0	0	0
Zone - 010	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0
Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-L	0	0	0	0	0	0	0	0
Zone - 011	0	0	0	0	0	0	0	0
Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 011	Zn Block	0	0	0	0	0	0	0	0
1E-I-M		0	0	0	0	0	0	0	0
Zone - 012	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 012	Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-R		0	0	0	0	0	0	0	0
Zone - 014	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 014	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-CN		0	0	0	0	0	0	0	0
Zone - 015	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 015	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-S		0	0	0	0	0	0	0	0
Zone - 016	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 016	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-M		0	0	0	0	0	0	0	0
Zone - 017	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 017	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-OO		0	0	0	0	0	0	0	0
Zone - 018	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 018	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-L		0	0	0	0	0	0	0	0
Zone - 019	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 019	Zn Block	0	0	0	0	0	0	0	0
1W-P-S-R		0	0	0	0	0	0	0	0
Zone - 020	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 020	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-CN		0	0	0	0	0	0	0	0
Zone - 021	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 021	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-S		0	0	0	0	0	0	0	0
Zone - 022	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 022	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-M		0	0	0	0	0	0	0	0
Zone - 023	Zn Total/Ave	0	0	0	0	0	0	0	0

**AIRFLOW HEAT GAIN & LOSS**  
**AT SPACE PEAK**  
 By Trial

**HEATING**

System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h	Latent Btu/h	Total Btu/h
Zone - 023	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 024	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 024	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-R		0	0	0	0	0	0	0	0
Zone - 025	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 025	Zn Block	0	0	0	0	0	0	0	0
1E-P-SE-L		0	0	0	0	0	0	0	0
Zone - 026	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 026	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-CN		0	0	0	0	0	0	0	0
Zone - 027	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 027	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-S		0	0	0	0	0	0	0	0
Zone - 028	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 028	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-OO		0	0	0	0	0	0	0	0
Zone - 029	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 029	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-L		0	0	0	0	0	0	0	0
Zone - 030	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 030	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-M		0	0	0	0	0	0	0	0
Zone - 031	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 031	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 032	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 032	Zn Block	0	0	0	0	0	0	0	0
1E-P-NE-R		0	0	0	0	0	0	0	0
Zone - 033	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 033	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-S		0	0	0	0	0	0	0	0
Zone - 034	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>								
System	Zone Room	O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h      Latent Btu/h		Total Btu/h	
	Zone - 034	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-N-MS			0	0	0	0	0	0	0	0
	Zone - 035	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 035	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-NW-L			0	0	0	0	0	0	0	0
	Zone - 036	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 036	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-N-L			0	0	0	0	0	0	0	0
	Zone - 037	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 037	Zn Block	0	0	0	0	0	0	0	0
1W-I-R			0	0	0	0	0	0	0	0
	Zone - 038	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 038	Zn Block	0	0	0	0	0	0	0	0
1W-I-L			0	0	0	0	0	0	0	0
	Zone - 039	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 039	Zn Block	0	0	0	0	0	0	0	0
IE-I-CN			0	0	0	0	0	0	0	0
	Zone - 040	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 040	Zn Block	0	0	0	0	0	0	0	0
1E-I-OO			0	0	0	0	0	0	0	0
	Zone - 041	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 041	Zn Block	0	0	0	0	0	0	0	0
1E-I-S			0	0	0	0	0	0	0	0
	Zone - 042	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 042	Zn Block	0	0	0	0	0	0	0	0
1E-I-R			0	0	0	0	0	0	0	0
	Zone - 043	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 043	Zn Block	0	0	0	0	0	0	0	0
1E-I-L			0	0	0	0	0	0	0	0
	Zone - 044	Zn Total/Ave	0	0	0	0	0	0	0	0
	Zone - 044	Zn Block	0	0	0	0	0	0	0	0
4- 4W-P-S-MS			0	0	0	0	0	0	0	0
	Zone - 045	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible      Latent Btu/h      Btu/h		Total Btu/h
Zone - 045	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 046	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 046	Zn Block	0	0	0	0	0	0	0	0
1W-P-SW-CN		0	0	0	0	0	0	0	0
Zone - 047	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 047	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-R		0	0	0	0	0	0	0	0
Zone - 048	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 048	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-L		0	0	0	0	0	0	0	0
Zone - 049	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 049	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-SE-L		0	0	0	0	0	0	0	0
Zone - 050	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 050	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-SE-MS		0	0	0	0	0	0	0	0
Zone - 051	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 051	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-CR		0	0	0	0	0	0	0	0
Zone - 052	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 052	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-PO		0	0	0	0	0	0	0	0
Zone - 053	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 053	Zn Block	0	0	0	0	0	0	0	0
4- 4E-I-MS		0	0	0	0	0	0	0	0
Zone - 054	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 054	Zn Block	0	0	0	0	0	0	0	0
4- 4E-I-L		0	0	0	0	0	0	0	0
Zone - 055	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 055	Zn Block	0	0	0	0	0	0	0	0
4- 4E-I-OO		0	0	0	0	0	0	0	0
Zone - 056	Zn Total/Ave	0	0	0	0	0	0	0	0



# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 056	Zn Block	0	0	0	0	0	0	0	0
4- 4W-I-L		0	0	0	0	0	0	0	0
Zone - 057	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 057	Zn Block	0	0	0	0	0	0	0	0
4- 4W-I-MS		0	0	0	0	0	0	0	0
Zone - 058	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 058	Zn Block	0	0	0	0	0	0	0	0
4- 4W-I-OO		0	0	0	0	0	0	0	0
Zone - 059	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 059	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NW-L		0	0	0	0	0	0	0	0
Zone - 060	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 060	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NW-MS		0	0	0	0	0	0	0	0
Zone - 061	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 061	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-W-OO		0	0	0	0	0	0	0	0
Zone - 062	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 062	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NE-MS		0	0	0	0	0	0	0	0
Zone - 063	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 063	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NE-L		0	0	0	0	0	0	0	0
Zone - 064	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 064	Zn Block	0	0	0	0	0	0	0	0
4- 4E-P-NE-00		0	0	0	0	0	0	0	0
Zone - 065	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 065	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-CN		0	0	0	0	0	0	0	0
Zone - 066	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 066	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-N-OO		0	0	0	0	0	0	0	0
Zone - 067	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Latent Btu/h Btu/h		Total Btu/h
Zone - 067	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 068	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 068	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 069	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 069	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-PO		0	0	0	0	0	0	0	0
Zone - 070	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 070	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 071	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 071	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 072	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 072	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-CN		0	0	0	0	0	0	0	0
Zone - 073	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 073	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-OO		0	0	0	0	0	0	0	0
Zone - 074	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 074	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-CN		0	0	0	0	0	0	0	0
Zone - 075	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 075	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-CN		0	0	0	0	0	0	0	0
Zone - 076	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 076	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-PO		0	0	0	0	0	0	0	0
Zone - 077	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 077	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-CR		0	0	0	0	0	0	0	0
Zone - 078	Zn Total/Ave	0	0	0	0	0	0	0	0

**AIRFLOW HEAT GAIN & LOSS**  
**AT SPACE PEAK**  
 By Trial

System Zone Room		HEATING							Total Btu/h
		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible Btu/h	Latent Btu/h	
Zone - 078	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-CR		0	0	0	0	0	0	0	0
Zone - 079	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 079	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-PO		0	0	0	0	0	0	0	0
Zone - 080	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 080	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 081	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 081	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-OO		0	0	0	0	0	0	0	0
Zone - 082	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 082	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-CR		0	0	0	0	0	0	0	0
Zone - 083	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 083	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 084	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 084	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 085	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 085	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NE-CN		0	0	0	0	0	0	0	0
Zone - 086	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 086	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 087	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 087	Zn Block	0	0	0	0	0	0	0	0
2- 2E-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 088	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 088	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-SM		0	0	0	0	0	0	0	0
Zone - 089	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible      Latent Btu/h      Btu/h		Total Btu/h
Zone - 089	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-CN		0	0	0	0	0	0	0	0
Zone - 090	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 090	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-CR		0	0	0	0	0	0	0	0
Zone - 091	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 091	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-SM		0	0	0	0	0	0	0	0
Zone - 092	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 092	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-M		0	0	0	0	0	0	0	0
Zone - 093	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 093	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-CR		0	0	0	0	0	0	0	0
Zone - 094	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 094	Zn Block	0	0	0	0	0	0	0	0
2- 2W-I-OO		0	0	0	0	0	0	0	0
Zone - 095	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 095	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-OO		0	0	0	0	0	0	0	0
Zone - 096	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 096	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-CN		0	0	0	0	0	0	0	0
Zone - 097	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 097	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-S		0	0	0	0	0	0	0	0
Zone - 098	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 098	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-OO		0	0	0	0	0	0	0	0
Zone - 099	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 099	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-M		0	0	0	0	0	0	0	0
Zone - 100	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 100	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-L		0	0	0	0	0	0	0	0
Zone - 101	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 101	Zn Block	0	0	0	0	0	0	0	0
1W-P-N-R		0	0	0	0	0	0	0	0
Zone - 102	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 102	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 103	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 103	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-S		0	0	0	0	0	0	0	0
Zone - 104	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 104	Zn Block	0	0	0	0	0	0	0	0
1W-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 105	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 105	Zn Block	0	0	0	0	0	0	0	0
2- 2E-I-CN		0	0	0	0	0	0	0	0
Zone - 106	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 106	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-CN		0	0	0	0	0	0	0	0
Zone - 107	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 107	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 108	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 108	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-PO		0	0	0	0	0	0	0	0
Zone - 109	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 109	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 110	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 110	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 111	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>HEATING</b>							
System Zone Room		O A Preheat Difference Btu/h	R A Reheat Difference Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	UnderFlr Heat Pickup Btu/h	— Supply Air Leakage — Sensible      Latent Btu/h      Btu/h		Total Btu/h
Zone - 111	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 112	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 112	Zn Block	0	0	0	0	0	0	0	0
1W-I-M		0	0	0	0	0	0	0	0
Zone - 113	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 113	Zn Block	0	0	0	0	0	0	0	0
1W-I-OO		0	0	0	0	0	0	0	0
Zone - 114	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 114	Zn Block	0	0	0	0	0	0	0	0
1W-I-S		0	0	0	0	0	0	0	0
Zone - 115	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 115	Zn Block	0	0	0	0	0	0	0	0
1W-I-CN		0	0	0	0	0	0	0	0
Zone - 116	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 116	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-R		0	0	0	0	0	0	0	0
Zone - 117	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 117	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-L		0	0	0	0	0	0	0	0
Zone - 118	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 118	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-M		0	0	0	0	0	0	0	0
Zone - 119	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 119	Zn Block	0	0	0	0	0	0	0	0
1E-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 120	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 120	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-S-PO		0	0	0	0	0	0	0	0
Zone - 121	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 121	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-CR		0	0	0	0	0	0	0	0
Zone - 122	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		HEATING							
System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 122	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-SW-OO		0	0	0	0	0	0	0	0
Zone - 123	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 123	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-OO		0	0	0	0	0	0	0	0
Zone - 124	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 124	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-CN		0	0	0	0	0	0	0	0
Zone - 125	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 125	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-CR		0	0	0	0	0	0	0	0
Zone - 126	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 126	Zn Block	0	0	0	0	0	0	0	0
2- 2W-P-N-PO		0	0	0	0	0	0	0	0
Zone - 127	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 127	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-OO		0	0	0	0	0	0	0	0
Zone - 128	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 128	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-CR		0	0	0	0	0	0	0	0
Zone - 129	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 129	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-CN		0	0	0	0	0	0	0	0
Zone - 130	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 130	Zn Block	0	0	0	0	0	0	0	0
3- 3E-I-SM		0	0	0	0	0	0	0	0
Zone - 131	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 131	Zn Block	0	0	0	0	0	0	0	0
3- 3W-I-OO		0	0	0	0	0	0	0	0
Zone - 132	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 132	Zn Block	0	0	0	0	0	0	0	0
3- 3W-I-CR		0	0	0	0	0	0	0	0
Zone - 133	Zn Total/Ave	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

### HEATING

System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 133	Zn Block	0	0	0	0	0	0	0	0
3- 3W-I-CN		0	0	0	0	0	0	0	0
Zone - 134	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 134	Zn Block	0	0	0	0	0	0	0	0
3- 3W-I-SM		0	0	0	0	0	0	0	0
Zone - 135	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 135	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NW-OO		0	0	0	0	0	0	0	0
Zone - 136	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 136	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NW-CN		0	0	0	0	0	0	0	0
Zone - 137	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 137	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NW-CR		0	0	0	0	0	0	0	0
Zone - 138	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 138	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NW-PO		0	0	0	0	0	0	0	0
Zone - 139	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 139	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NE-CR		0	0	0	0	0	0	0	0
Zone - 140	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 140	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NE-OO		0	0	0	0	0	0	0	0
Zone - 141	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 141	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NE-CN		0	0	0	0	0	0	0	0
Zone - 142	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 142	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-OO		0	0	0	0	0	0	0	0
Zone - 143	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 143	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-NE-PO		0	0	0	0	0	0	0	0
Zone - 144	Zn Total/Ave	0	0	0	0	0	0	0	0



**AIRFLOW HEAT GAIN & LOSS**  
**AT SPACE PEAK**  
 By Trial

**HEATING**

System Zone Room		OA	RA	System	Adjacent	UnderFlr	— Supply Air Leakage —		Total
		Preheat Difference Btu/h	Reheat Difference Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h	
Zone - 144	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-CR		0	0	0	0	0	0	0	0
Zone - 145	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 145	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-PO		0	0	0	0	0	0	0	0
Zone - 146	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 146	Zn Block	0	0	0	0	0	0	0	0
3- 3E-P-SE-CN		0	0	0	0	0	0	0	0
Zone - 147	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 147	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-CR		0	0	0	0	0	0	0	0
Zone - 148	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 148	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-OO		0	0	0	0	0	0	0	0
Zone - 149	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 149	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-CN		0	0	0	0	0	0	0	0
Zone - 150	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 150	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-S-PO		0	0	0	0	0	0	0	0
Zone - 151	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 151	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-CR		0	0	0	0	0	0	0	0
Zone - 152	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 152	Zn Block	0	0	0	0	0	0	0	0
3- 3W-P-SW-OO		0	0	0	0	0	0	0	0
Zone - 153	Zn Total/Ave	0	0	0	0	0	0	0	0
Zone - 153	Zn Block	0	0	0	0	0	0	0	0
<b>AHUs vav w/ rh</b>	Sys Total/Ave	0	0	0	0	0	0	0	0
<b>AHUs vav w/ rh</b>	Sys Block	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>COOLING</b>										
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage Sensible Btu/h	Latent Btu/h
<b>Alternative 1</b>												
4-	4W-P-NW-OO		0	1,188	0	0	-31	0	0	0	0	0
	Zone - 001	Zn Tot/Ave	0	1,188	0	0	-31	0	0	0	0	0
	Zone - 001	Zn Block	0	1,188	0	0	-31	0	0	0	0	0
4-	4W-P-NW-MS		0	158	0	0	-4	0	0	0	0	0
	Zone - 002	Zn Tot/Ave	0	158	0	0	-4	0	0	0	0	0
	Zone - 002	Zn Block	0	158	0	0	-4	0	0	0	0	0
4-	4W-P-SW-OO		0	3,651	0	0	-68	0	0	0	0	0
	Zone - 003	Zn Tot/Ave	0	3,651	0	0	-68	0	0	0	0	0
	Zone - 003	Zn Block	0	3,651	0	0	-68	0	0	0	0	0
4-	4W-P-SW-L		0	730	0	0	-14	0	0	0	0	0
	Zone - 004	Zn Tot/Ave	0	730	0	0	-14	0	0	0	0	0
	Zone - 004	Zn Block	0	730	0	0	-14	0	0	0	0	0
4-	4W-P-SW-MS		0	487	0	0	-9	0	0	0	0	0
	Zone - 005	Zn Tot/Ave	0	487	0	0	-9	0	0	0	0	0
	Zone - 005	Zn Block	0	487	0	0	-9	0	0	0	0	0
4-	4W-P-S-OO		0	2,138	0	0	-17	0	0	0	0	0
	Zone - 006	Zn Tot/Ave	0	2,138	0	0	-17	0	0	0	0	0
	Zone - 006	Zn Block	0	2,138	0	0	-17	0	0	0	0	0
4-	4W-P-S-L		0	428	0	0	-3	0	0	0	0	0
	Zone - 007	Zn Tot/Ave	0	428	0	0	-3	0	0	0	0	0
	Zone - 007	Zn Block	0	428	0	0	-3	0	0	0	0	0
1W-	P-SW-M		0	487	0	0	-9	0	0	0	0	0
	Zone - 008	Zn Tot/Ave	0	487	0	0	-9	0	0	0	0	0
	Zone - 008	Zn Block	0	487	0	0	-9	0	0	0	0	0
1W-	P-SW-OO		0	1,460	0	0	-27	0	0	0	0	0
	Zone - 009	Zn Tot/Ave	0	1,460	0	0	-27	0	0	0	0	0
	Zone - 009	Zn Block	0	1,460	0	0	-27	0	0	0	0	0
1W-	P-SW-S		0	487	0	0	-9	0	0	0	0	0
	Zone - 010	Zn Tot/Ave	0	487	0	0	-9	0	0	0	0	0
	Zone - 010	Zn Block	0	487	0	0	-9	0	0	0	0	0
1W-	P-SW-L		0	1,217	0	0	-23	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 011	Zn Tot/Ave	0	1,217	0	0	-23	0	0	0	0	0
	Zone - 011	Zn Block	0	1,217	0	0	-23	0	0	0	0	0
1E-I-M			0	2,436	0	0	-92	0	0	0	0	0
	Zone - 012	Zn Tot/Ave	0	2,436	0	0	-92	0	0	0	0	0
	Zone - 012	Zn Block	0	2,436	0	0	-92	0	0	0	0	0
1W-P-SW-R			0	730	0	0	-14	0	0	0	0	0
	Zone - 014	Zn Tot/Ave	0	730	0	0	-14	0	0	0	0	0
	Zone - 014	Zn Block	0	730	0	0	-14	0	0	0	0	0
1W-P-S-CN			0	285	0	0	-2	0	0	0	0	0
	Zone - 015	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 015	Zn Block	0	285	0	0	-2	0	0	0	0	0
1W-P-S-S			0	285	0	0	-2	0	0	0	0	0
	Zone - 016	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 016	Zn Block	0	285	0	0	-2	0	0	0	0	0
1W-P-S-M			0	285	0	0	-2	0	0	0	0	0
	Zone - 017	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 017	Zn Block	0	285	0	0	-2	0	0	0	0	0
1W-P-S-OO			0	855	0	0	-7	0	0	0	0	0
	Zone - 018	Zn Tot/Ave	0	855	0	0	-7	0	0	0	0	0
	Zone - 018	Zn Block	0	855	0	0	-7	0	0	0	0	0
1W-P-S-L			0	713	0	0	-6	0	0	0	0	0
	Zone - 019	Zn Tot/Ave	0	713	0	0	-6	0	0	0	0	0
	Zone - 019	Zn Block	0	713	0	0	-6	0	0	0	0	0
1W-P-S-R			0	428	0	0	-3	0	0	0	0	0
	Zone - 020	Zn Tot/Ave	0	428	0	0	-3	0	0	0	0	0
	Zone - 020	Zn Block	0	428	0	0	-3	0	0	0	0	0
1E-P-SE-CN			0	691	0	0	-4	0	0	0	0	0
	Zone - 021	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 021	Zn Block	0	691	0	0	-4	0	0	0	0	0
1E-P-SE-S			0	691	0	0	-4	0	0	0	0	0
	Zone - 022	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 022	Zn Block	0	691	0	0	-4	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage	
			Heat	Fan	Fan	Fan	Exhaust	Air Trans	Coil	Heat	Sensible	Latent
			Pickup	Heat	Heat	Heat	Heat Loss	Heat Loss	Losses	Pickup	Btu/h	Btu/h
			Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
1E-P-SE-M			0	691	0	0	-4	0	0	0	0	0
	Zone - 023	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 023	Zn Block	0	691	0	0	-4	0	0	0	0	0
1E-P-SE-OO			0	2,074	0	0	-11	0	0	0	0	0
	Zone - 024	Zn Tot/Ave	0	2,074	0	0	-11	0	0	0	0	0
	Zone - 024	Zn Block	0	2,074	0	0	-11	0	0	0	0	0
1E-P-SE-R			0	1,037	0	0	-6	0	0	0	0	0
	Zone - 025	Zn Tot/Ave	0	1,037	0	0	-6	0	0	0	0	0
	Zone - 025	Zn Block	0	1,037	0	0	-6	0	0	0	0	0
1E-P-SE-L			0	1,728	0	0	-9	0	0	0	0	0
	Zone - 026	Zn Tot/Ave	0	1,728	0	0	-9	0	0	0	0	0
	Zone - 026	Zn Block	0	1,728	0	0	-9	0	0	0	0	0
1E-P-NE-CN			0	230	0	0	-1	0	0	0	0	0
	Zone - 027	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 027	Zn Block	0	230	0	0	-1	0	0	0	0	0
1E-P-NE-S			0	230	0	0	-1	0	0	0	0	0
	Zone - 028	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 028	Zn Block	0	230	0	0	-1	0	0	0	0	0
1E-P-NE-OO			0	690	0	0	-3	0	0	0	0	0
	Zone - 029	Zn Tot/Ave	0	690	0	0	-3	0	0	0	0	0
	Zone - 029	Zn Block	0	690	0	0	-3	0	0	0	0	0
1E-P-NE-L			0	575	0	0	-2	0	0	0	0	0
	Zone - 030	Zn Tot/Ave	0	575	0	0	-2	0	0	0	0	0
	Zone - 030	Zn Block	0	575	0	0	-2	0	0	0	0	0
1E-P-NE-M			0	230	0	0	-1	0	0	0	0	0
	Zone - 031	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 031	Zn Block	0	230	0	0	-1	0	0	0	0	0
1E-P-NW-CN			0	752	0	0	-22	0	0	0	0	0
	Zone - 032	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 032	Zn Block	0	752	0	0	-22	0	0	0	0	0
1E-P-NE-R			0	424	0	0	-10	0	0	0	0	0
	Zone - 033	Zn Tot/Ave	0	424	0	0	-10	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 033	Zn Block	0	424	0	0	-10	0	0	0	0	0
1E-P-NW-S			0	752	0	0	-22	0	0	0	0	0
	Zone - 034	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 034	Zn Block	0	752	0	0	-22	0	0	0	0	0
4- 4W-P-N-MS			0	164	0	0	-6	0	0	0	0	0
	Zone - 035	Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 035	Zn Block	0	164	0	0	-6	0	0	0	0	0
4- 4W-P-NW-L			0	238	0	0	-6	0	0	0	0	0
	Zone - 036	Zn Tot/Ave	0	238	0	0	-6	0	0	0	0	0
	Zone - 036	Zn Block	0	238	0	0	-6	0	0	0	0	0
4- 4W-P-N-L			0	245	0	0	-9	0	0	0	0	0
	Zone - 037	Zn Tot/Ave	0	245	0	0	-9	0	0	0	0	0
	Zone - 037	Zn Block	0	245	0	0	-9	0	0	0	0	0
1W-I-R			0	1,463	0	0	-55	0	0	0	0	0
	Zone - 038	Zn Tot/Ave	0	1,463	0	0	-55	0	0	0	0	0
	Zone - 038	Zn Block	0	1,463	0	0	-55	0	0	0	0	0
1W-I-L			0	2,438	0	0	-92	0	0	0	0	0
	Zone - 039	Zn Tot/Ave	0	2,438	0	0	-92	0	0	0	0	0
	Zone - 039	Zn Block	0	2,438	0	0	-92	0	0	0	0	0
1E-I-CN			0	2,436	0	0	-92	0	0	0	0	0
	Zone - 040	Zn Tot/Ave	0	2,436	0	0	-92	0	0	0	0	0
	Zone - 040	Zn Block	0	2,436	0	0	-92	0	0	0	0	0
1E-I-OO			0	7,307	0	0	-275	0	0	0	0	0
	Zone - 041	Zn Tot/Ave	0	7,307	0	0	-275	0	0	0	0	0
	Zone - 041	Zn Block	0	7,307	0	0	-275	0	0	0	0	0
1E-I-S			0	2,436	0	0	-92	0	0	0	0	0
	Zone - 042	Zn Tot/Ave	0	2,436	0	0	-92	0	0	0	0	0
	Zone - 042	Zn Block	0	2,436	0	0	-92	0	0	0	0	0
1E-I-R			0	3,653	0	0	-138	0	0	0	0	0
	Zone - 043	Zn Tot/Ave	0	3,653	0	0	-138	0	0	0	0	0
	Zone - 043	Zn Block	0	3,653	0	0	-138	0	0	0	0	0
1E-I-L			0	6,089	0	0	-229	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 044	Zn Tot/Ave	0	6,089	0	0	-229	0	0	0	0	0
	Zone - 044	Zn Block	0	6,089	0	0	-229	0	0	0	0	0
4- 4W-P-S-MS			0	285	0	0	-2	0	0	0	0	0
	Zone - 045	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 045	Zn Block	0	285	0	0	-2	0	0	0	0	0
4- 4E-P-SE-OO			0	4,319	0	0	-163	0	0	0	0	0
	Zone - 046	Zn Tot/Ave	0	4,319	0	0	-163	0	0	0	0	0
	Zone - 046	Zn Block	0	4,319	0	0	-163	0	0	0	0	0
1W-P-SW-CN			0	487	0	0	-9	0	0	0	0	0
	Zone - 047	Zn Tot/Ave	0	487	0	0	-9	0	0	0	0	0
	Zone - 047	Zn Block	0	487	0	0	-9	0	0	0	0	0
1W-P-NW-R			0	238	0	0	-6	0	0	0	0	0
	Zone - 048	Zn Tot/Ave	0	238	0	0	-6	0	0	0	0	0
	Zone - 048	Zn Block	0	238	0	0	-6	0	0	0	0	0
1W-P-NW-L			0	396	0	0	-10	0	0	0	0	0
	Zone - 049	Zn Tot/Ave	0	396	0	0	-10	0	0	0	0	0
	Zone - 049	Zn Block	0	396	0	0	-10	0	0	0	0	0
4- 4E-P-SE-L			0	864	0	0	-33	0	0	0	0	0
	Zone - 050	Zn Tot/Ave	0	864	0	0	-33	0	0	0	0	0
	Zone - 050	Zn Block	0	864	0	0	-33	0	0	0	0	0
4- 4E-P-SE-MS			0	576	0	0	-22	0	0	0	0	0
	Zone - 051	Zn Tot/Ave	0	576	0	0	-22	0	0	0	0	0
	Zone - 051	Zn Block	0	576	0	0	-22	0	0	0	0	0
3- 3W-P-N-CR			0	164	0	0	-6	0	0	0	0	0
	Zone - 052	Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 052	Zn Block	0	164	0	0	-6	0	0	0	0	0
3- 3W-P-N-PO			0	164	0	0	-6	0	0	0	0	0
	Zone - 053	Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 053	Zn Block	0	164	0	0	-6	0	0	0	0	0
4- 4E-I-MS			0	2,436	0	0	-92	0	0	0	0	0
	Zone - 054	Zn Tot/Ave	0	2,436	0	0	-92	0	0	0	0	0
	Zone - 054	Zn Block	0	2,436	0	0	-92	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
4-	4E-I-L		0	3,653	0	0	-138	0	0	0	0	0
	Zone - 055	Zn Tot/Ave	0	3,653	0	0	-138	0	0	0	0	0
	Zone - 055	Zn Block	0	3,653	0	0	-138	0	0	0	0	0
4-	4E-I-OO		0	18,267	0	0	-688	0	0	0	0	0
	Zone - 056	Zn Tot/Ave	0	18,267	0	0	-688	0	0	0	0	0
	Zone - 056	Zn Block	0	18,267	0	0	-688	0	0	0	0	0
4-	4W-I-L		0	1,463	0	0	-55	0	0	0	0	0
	Zone - 057	Zn Tot/Ave	0	1,463	0	0	-55	0	0	0	0	0
	Zone - 057	Zn Block	0	1,463	0	0	-55	0	0	0	0	0
4-	4W-I-MS		0	975	0	0	-37	0	0	0	0	0
	Zone - 058	Zn Tot/Ave	0	975	0	0	-37	0	0	0	0	0
	Zone - 058	Zn Block	0	975	0	0	-37	0	0	0	0	0
4-	4W-I-OO		0	7,315	0	0	-275	0	0	0	0	0
	Zone - 059	Zn Tot/Ave	0	7,315	0	0	-275	0	0	0	0	0
	Zone - 059	Zn Block	0	7,315	0	0	-275	0	0	0	0	0
4-	4E-P-NW-L		0	1,127	0	0	-42	0	0	0	0	0
	Zone - 060	Zn Tot/Ave	0	1,127	0	0	-42	0	0	0	0	0
	Zone - 060	Zn Block	0	1,127	0	0	-42	0	0	0	0	0
4-	4E-P-NW-MS		0	752	0	0	-28	0	0	0	0	0
	Zone - 061	Zn Tot/Ave	0	752	0	0	-28	0	0	0	0	0
	Zone - 061	Zn Block	0	752	0	0	-28	0	0	0	0	0
4-	4E-P-W-OO		0	5,636	0	0	-212	0	0	0	0	0
	Zone - 062	Zn Tot/Ave	0	5,636	0	0	-212	0	0	0	0	0
	Zone - 062	Zn Block	0	5,636	0	0	-212	0	0	0	0	0
4-	4E-P-NE-MS		0	218	0	0	-8	0	0	0	0	0
	Zone - 063	Zn Tot/Ave	0	218	0	0	-8	0	0	0	0	0
	Zone - 063	Zn Block	0	218	0	0	-8	0	0	0	0	0
4-	4E-P-NE-L		0	327	0	0	-12	0	0	0	0	0
	Zone - 064	Zn Tot/Ave	0	327	0	0	-12	0	0	0	0	0
	Zone - 064	Zn Block	0	327	0	0	-12	0	0	0	0	0
4-	4E-P-NE-00		0	1,634	0	0	-62	0	0	0	0	0
	Zone - 065	Zn Tot/Ave	0	1,634	0	0	-62	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>COOLING</b>										
System	Zone Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage		
										Sensible Btu/h	Latent Btu/h	
	Zone - 065		Zn Block	0	1,634	0	0	-62	0	0	0	0
3-	3W-P-N-CN	0		82	0	0	-3	0	0	0	0	0
	Zone - 066		Zn Tot/Ave	0	82	0	0	-3	0	0	0	0
	Zone - 066		Zn Block	0	82	0	0	-3	0	0	0	0
3-	3W-P-N-OO	0		1,227	0	0	-46	0	0	0	0	0
	Zone - 067		Zn Tot/Ave	0	1,227	0	0	-46	0	0	0	0
	Zone - 067		Zn Block	0	1,227	0	0	-46	0	0	0	0
3-	3W-P-NW-CN	0		79	0	0	-2	0	0	0	0	0
	Zone - 068		Zn Tot/Ave	0	79	0	0	-2	0	0	0	0
	Zone - 068		Zn Block	0	79	0	0	-2	0	0	0	0
3-	3W-P-NW-CR	0		158	0	0	-4	0	0	0	0	0
	Zone - 069		Zn Tot/Ave	0	158	0	0	-4	0	0	0	0
	Zone - 069		Zn Block	0	158	0	0	-4	0	0	0	0
3-	3W-P-SW-PO	0		487	0	0	-9	0	0	0	0	0
	Zone - 070		Zn Tot/Ave	0	487	0	0	-9	0	0	0	0
	Zone - 070		Zn Block	0	487	0	0	-9	0	0	0	0
3-	3W-P-NW-PO	0		158	0	0	-4	0	0	0	0	0
	Zone - 071		Zn Tot/Ave	0	158	0	0	-4	0	0	0	0
	Zone - 071		Zn Block	0	158	0	0	-4	0	0	0	0
3-	3W-P-NW-OO	0		1,188	0	0	-31	0	0	0	0	0
	Zone - 072		Zn Tot/Ave	0	1,188	0	0	-31	0	0	0	0
	Zone - 072		Zn Block	0	1,188	0	0	-31	0	0	0	0
3-	3W-P-SW-CN	0		243	0	0	-5	0	0	0	0	0
	Zone - 073		Zn Tot/Ave	0	243	0	0	-5	0	0	0	0
	Zone - 073		Zn Block	0	243	0	0	-5	0	0	0	0
2-	2W-P-S-OO	0		2,138	0	0	-17	0	0	0	0	0
	Zone - 074		Zn Tot/Ave	0	2,138	0	0	-17	0	0	0	0
	Zone - 074		Zn Block	0	2,138	0	0	-17	0	0	0	0
2-	2W-P-S-CN	0		143	0	0	-1	0	0	0	0	0
	Zone - 075		Zn Tot/Ave	0	143	0	0	-1	0	0	0	0
	Zone - 075		Zn Block	0	143	0	0	-1	0	0	0	0
2-	2E-P-SE-CN	0		346	0	0	-2	0	0	0	0	0



# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 076	Zn Tot/Ave	0	346	0	0	-2	0	0	0	0	0
	Zone - 076	Zn Block	0	346	0	0	-2	0	0	0	0	0
2- 2E-P-SE-PO			0	691	0	0	-4	0	0	0	0	0
	Zone - 077	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 077	Zn Block	0	691	0	0	-4	0	0	0	0	0
2- 2W-P-S-CR			0	285	0	0	-2	0	0	0	0	0
	Zone - 078	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 078	Zn Block	0	285	0	0	-2	0	0	0	0	0
2- 2E-P-SE-CR			0	691	0	0	-4	0	0	0	0	0
	Zone - 079	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 079	Zn Block	0	691	0	0	-4	0	0	0	0	0
2- 2E-P-NE-PO			0	230	0	0	-1	0	0	0	0	0
	Zone - 080	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 080	Zn Block	0	230	0	0	-1	0	0	0	0	0
2- 2E-P-SE-OO			0	5,184	0	0	-28	0	0	0	0	0
	Zone - 081	Zn Tot/Ave	0	5,184	0	0	-28	0	0	0	0	0
	Zone - 081	Zn Block	0	5,184	0	0	-28	0	0	0	0	0
2- 2E-P-NE-OO			0	1,724	0	0	-7	0	0	0	0	0
	Zone - 082	Zn Tot/Ave	0	1,724	0	0	-7	0	0	0	0	0
	Zone - 082	Zn Block	0	1,724	0	0	-7	0	0	0	0	0
2- 2E-P-NE-CR			0	230	0	0	-1	0	0	0	0	0
	Zone - 083	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 083	Zn Block	0	230	0	0	-1	0	0	0	0	0
2- 2E-P-NW-PO			0	752	0	0	-22	0	0	0	0	0
	Zone - 084	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 084	Zn Block	0	752	0	0	-22	0	0	0	0	0
2- 2E-P-NW-CR			0	752	0	0	-22	0	0	0	0	0
	Zone - 085	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 085	Zn Block	0	752	0	0	-22	0	0	0	0	0
2- 2E-P-NE-CN			0	115	0	0	0	0	0	0	0	0
	Zone - 086	Zn Tot/Ave	0	115	0	0	0	0	0	0	0	0
	Zone - 086	Zn Block	0	115	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING								
System Zone Room	Duct Heat Pickup	Supply Fan Heat	Auxiliary Fan Heat	Return Fan Heat	System Exhaust Heat Loss	Adjacent Air Trans Heat Loss	Auxiliary Coil Losses	UnderFlr Heat Pickup	Supply Air Leakage		
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Sensible Btu/h	Latent Btu/h	
2- 2E-P-NW-CN	0	376	0	0	-11	0	0	0	0	0	
Zone - 087											
Zn Tot/Ave	0	376	0	0	-11	0	0	0	0	0	
Zn Block	0	376	0	0	-11	0	0	0	0	0	
2- 2E-P-NW-OO	0	5,636	0	0	-164	0	0	0	0	0	
Zone - 088											
Zn Tot/Ave	0	5,636	0	0	-164	0	0	0	0	0	
Zn Block	0	5,636	0	0	-164	0	0	0	0	0	
2- 2W-I-SM	0	1,951	0	0	-73	0	0	0	0	0	
Zone - 089											
Zn Tot/Ave	0	1,951	0	0	-73	0	0	0	0	0	
Zn Block	0	1,951	0	0	-73	0	0	0	0	0	
2- 2W-I-CN	0	1,951	0	0	-73	0	0	0	0	0	
Zone - 090											
Zn Tot/Ave	0	1,951	0	0	-73	0	0	0	0	0	
Zn Block	0	1,951	0	0	-73	0	0	0	0	0	
2- 2W-I-CR	0	975	0	0	-37	0	0	0	0	0	
Zone - 091											
Zn Tot/Ave	0	975	0	0	-37	0	0	0	0	0	
Zn Block	0	975	0	0	-37	0	0	0	0	0	
2- 2E-I-SM	0	4,871	0	0	-183	0	0	0	0	0	
Zone - 092											
Zn Tot/Ave	0	4,871	0	0	-183	0	0	0	0	0	
Zn Block	0	4,871	0	0	-183	0	0	0	0	0	
1W-P-NW-M	0	158	0	0	-4	0	0	0	0	0	
Zone - 093											
Zn Tot/Ave	0	158	0	0	-4	0	0	0	0	0	
Zn Block	0	158	0	0	-4	0	0	0	0	0	
2- 2E-I-CR	0	2,436	0	0	-92	0	0	0	0	0	
Zone - 094											
Zn Tot/Ave	0	2,436	0	0	-92	0	0	0	0	0	
Zn Block	0	2,436	0	0	-92	0	0	0	0	0	
2- 2W-I-OO	0	4,876	0	0	-184	0	0	0	0	0	
Zone - 095											
Zn Tot/Ave	0	4,876	0	0	-184	0	0	0	0	0	
Zn Block	0	4,876	0	0	-184	0	0	0	0	0	
2- 2E-I-OO	0	12,178	0	0	-459	0	0	0	0	0	
Zone - 096											
Zn Tot/Ave	0	12,178	0	0	-459	0	0	0	0	0	
Zn Block	0	12,178	0	0	-459	0	0	0	0	0	
1W-P-N-CN	0	164	0	0	-6	0	0	0	0	0	
Zone - 097											
Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0	

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>COOLING</b>											
System	Zone Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage			
										Sensible Btu/h	Latent Btu/h		
	Zone - 097		Zn Block	0	164	0	0	-6	0	0	0	0	0
1W-P-N-S		0		164	0	0	-6	0	0	0	0	0	0
	Zone - 098		Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 098		Zn Block	0	164	0	0	-6	0	0	0	0	0
1W-P-N-OO		0		491	0	0	-18	0	0	0	0	0	0
	Zone - 099		Zn Tot/Ave	0	491	0	0	-18	0	0	0	0	0
	Zone - 099		Zn Block	0	491	0	0	-18	0	0	0	0	0
1W-P-N-M		0		164	0	0	-6	0	0	0	0	0	0
	Zone - 100		Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 100		Zn Block	0	164	0	0	-6	0	0	0	0	0
1W-P-N-L		0		4,091	0	0	-154	0	0	0	0	0	0
	Zone - 101		Zn Tot/Ave	0	4,091	0	0	-154	0	0	0	0	0
	Zone - 101		Zn Block	0	4,091	0	0	-154	0	0	0	0	0
1W-P-N-R		0		245	0	0	-9	0	0	0	0	0	0
	Zone - 102		Zn Tot/Ave	0	245	0	0	-9	0	0	0	0	0
	Zone - 102		Zn Block	0	245	0	0	-9	0	0	0	0	0
1W-P-NW-CN		0		158	0	0	-4	0	0	0	0	0	0
	Zone - 103		Zn Tot/Ave	0	158	0	0	-4	0	0	0	0	0
	Zone - 103		Zn Block	0	158	0	0	-4	0	0	0	0	0
1W-P-NW-S		0		158	0	0	-4	0	0	0	0	0	0
	Zone - 104		Zn Tot/Ave	0	158	0	0	-4	0	0	0	0	0
	Zone - 104		Zn Block	0	158	0	0	-4	0	0	0	0	0
1W-P-NW-OO		0		475	0	0	-12	0	0	0	0	0	0
	Zone - 105		Zn Tot/Ave	0	475	0	0	-12	0	0	0	0	0
	Zone - 105		Zn Block	0	475	0	0	-12	0	0	0	0	0
2- 2E-I-CN		0		4,871	0	0	-183	0	0	0	0	0	0
	Zone - 106		Zn Tot/Ave	0	4,871	0	0	-183	0	0	0	0	0
	Zone - 106		Zn Block	0	4,871	0	0	-183	0	0	0	0	0
2- 2W-P-SW-CN		0		243	0	0	-5	0	0	0	0	0	0
	Zone - 107		Zn Tot/Ave	0	243	0	0	-5	0	0	0	0	0
	Zone - 107		Zn Block	0	243	0	0	-5	0	0	0	0	0
2- 2W-P-NW-OO		0		1,188	0	0	-31	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 108	Zn Tot/Ave	0	1,188	0	0	-31	0	0	0	0	0
	Zone - 108	Zn Block	0	1,188	0	0	-31	0	0	0	0	0
2- 2W-P-SW-PO			0	487	0	0	-9	0	0	0	0	0
	Zone - 109	Zn Tot/Ave	0	487	0	0	-9	0	0	0	0	0
	Zone - 109	Zn Block	0	487	0	0	-9	0	0	0	0	0
2- 2W-P-NW-CR			0	158	0	0	-4	0	0	0	0	0
	Zone - 110	Zn Tot/Ave	0	158	0	0	-4	0	0	0	0	0
	Zone - 110	Zn Block	0	158	0	0	-4	0	0	0	0	0
2- 2W-P-NW-PO			0	158	0	0	-4	0	0	0	0	0
	Zone - 111	Zn Tot/Ave	0	158	0	0	-4	0	0	0	0	0
	Zone - 111	Zn Block	0	158	0	0	-4	0	0	0	0	0
2- 2W-P-NW-CN			0	79	0	0	-2	0	0	0	0	0
	Zone - 112	Zn Tot/Ave	0	79	0	0	-2	0	0	0	0	0
	Zone - 112	Zn Block	0	79	0	0	-2	0	0	0	0	0
1W-I-M			0	975	0	0	-37	0	0	0	0	0
	Zone - 113	Zn Tot/Ave	0	975	0	0	-37	0	0	0	0	0
	Zone - 113	Zn Block	0	975	0	0	-37	0	0	0	0	0
1W-I-OO			0	2,926	0	0	-110	0	0	0	0	0
	Zone - 114	Zn Tot/Ave	0	2,926	0	0	-110	0	0	0	0	0
	Zone - 114	Zn Block	0	2,926	0	0	-110	0	0	0	0	0
1W-I-S			0	975	0	0	-37	0	0	0	0	0
	Zone - 115	Zn Tot/Ave	0	975	0	0	-37	0	0	0	0	0
	Zone - 115	Zn Block	0	975	0	0	-37	0	0	0	0	0
1W-I-CN			0	975	0	0	-37	0	0	0	0	0
	Zone - 116	Zn Tot/Ave	0	975	0	0	-37	0	0	0	0	0
	Zone - 116	Zn Block	0	975	0	0	-37	0	0	0	0	0
1E-P-NW-R			0	1,127	0	0	-33	0	0	0	0	0
	Zone - 117	Zn Tot/Ave	0	1,127	0	0	-33	0	0	0	0	0
	Zone - 117	Zn Block	0	1,127	0	0	-33	0	0	0	0	0
1E-P-NW-L			0	1,879	0	0	-55	0	0	0	0	0
	Zone - 118	Zn Tot/Ave	0	1,879	0	0	-55	0	0	0	0	0
	Zone - 118	Zn Block	0	1,879	0	0	-55	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage	
			Heat Pickup	Fan Heat	Fan Heat	Fan Heat	Exhaust Heat Loss	Air Trans Heat Loss	Coil Losses	Heat Pickup	Sensible	Latent
			Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
1E-P-NW-M			0	752	0	0	-22	0	0	0	0	0
	Zone - 119	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 119	Zn Block	0	752	0	0	-22	0	0	0	0	0
1E-P-NW-OO			0	2,255	0	0	-66	0	0	0	0	0
	Zone - 120	Zn Tot/Ave	0	2,255	0	0	-66	0	0	0	0	0
	Zone - 120	Zn Block	0	2,255	0	0	-66	0	0	0	0	0
2- 2W-P-S-PO			0	285	0	0	-2	0	0	0	0	0
	Zone - 121	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 121	Zn Block	0	285	0	0	-2	0	0	0	0	0
2- 2W-P-SW-CR			0	487	0	0	-9	0	0	0	0	0
	Zone - 122	Zn Tot/Ave	0	487	0	0	-9	0	0	0	0	0
	Zone - 122	Zn Block	0	487	0	0	-9	0	0	0	0	0
2- 2W-P-SW-OO			0	3,651	0	0	-68	0	0	0	0	0
	Zone - 123	Zn Tot/Ave	0	3,651	0	0	-68	0	0	0	0	0
	Zone - 123	Zn Block	0	3,651	0	0	-68	0	0	0	0	0
2- 2W-P-N-OO			0	1,227	0	0	-46	0	0	0	0	0
	Zone - 124	Zn Tot/Ave	0	1,227	0	0	-46	0	0	0	0	0
	Zone - 124	Zn Block	0	1,227	0	0	-46	0	0	0	0	0
2- 2W-P-N-CN			0	82	0	0	-3	0	0	0	0	0
	Zone - 125	Zn Tot/Ave	0	82	0	0	-3	0	0	0	0	0
	Zone - 125	Zn Block	0	82	0	0	-3	0	0	0	0	0
2- 2W-P-N-CR			0	164	0	0	-6	0	0	0	0	0
	Zone - 126	Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 126	Zn Block	0	164	0	0	-6	0	0	0	0	0
2- 2W-P-N-PO			0	164	0	0	-6	0	0	0	0	0
	Zone - 127	Zn Tot/Ave	0	164	0	0	-6	0	0	0	0	0
	Zone - 127	Zn Block	0	164	0	0	-6	0	0	0	0	0
3- 3E-I-OO			0	12,178	0	0	-459	0	0	0	0	0
	Zone - 128	Zn Tot/Ave	0	12,178	0	0	-459	0	0	0	0	0
	Zone - 128	Zn Block	0	12,178	0	0	-459	0	0	0	0	0
3- 3E-I-CR			0	2,436	0	0	-92	0	0	0	0	0
	Zone - 129	Zn Tot/Ave	0	2,436	0	0	-92	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 129	Zn Block	0	2,436	0	0	-92	0	0	0	0	0
3- 3E-I-CN			0	4,871	0	0	-183	0	0	0	0	0
	Zone - 130	Zn Tot/Ave	0	4,871	0	0	-183	0	0	0	0	0
	Zone - 130	Zn Block	0	4,871	0	0	-183	0	0	0	0	0
3- 3E-I-SM			0	4,871	0	0	-183	0	0	0	0	0
	Zone - 131	Zn Tot/Ave	0	4,871	0	0	-183	0	0	0	0	0
	Zone - 131	Zn Block	0	4,871	0	0	-183	0	0	0	0	0
3- 3W-I-OO			0	4,876	0	0	-184	0	0	0	0	0
	Zone - 132	Zn Tot/Ave	0	4,876	0	0	-184	0	0	0	0	0
	Zone - 132	Zn Block	0	4,876	0	0	-184	0	0	0	0	0
3- 3W-I-CR			0	975	0	0	-37	0	0	0	0	0
	Zone - 133	Zn Tot/Ave	0	975	0	0	-37	0	0	0	0	0
	Zone - 133	Zn Block	0	975	0	0	-37	0	0	0	0	0
3- 3W-I-CN			0	1,951	0	0	-73	0	0	0	0	0
	Zone - 134	Zn Tot/Ave	0	1,951	0	0	-73	0	0	0	0	0
	Zone - 134	Zn Block	0	1,951	0	0	-73	0	0	0	0	0
3- 3W-I-SM			0	1,951	0	0	-73	0	0	0	0	0
	Zone - 135	Zn Tot/Ave	0	1,951	0	0	-73	0	0	0	0	0
	Zone - 135	Zn Block	0	1,951	0	0	-73	0	0	0	0	0
3- 3E-P-NW-OO			0	5,636	0	0	-164	0	0	0	0	0
	Zone - 136	Zn Tot/Ave	0	5,636	0	0	-164	0	0	0	0	0
	Zone - 136	Zn Block	0	5,636	0	0	-164	0	0	0	0	0
3- 3E-P-NW-CN			0	376	0	0	-11	0	0	0	0	0
	Zone - 137	Zn Tot/Ave	0	376	0	0	-11	0	0	0	0	0
	Zone - 137	Zn Block	0	376	0	0	-11	0	0	0	0	0
3- 3E-P-NW-CR			0	752	0	0	-22	0	0	0	0	0
	Zone - 138	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 138	Zn Block	0	752	0	0	-22	0	0	0	0	0
3- 3E-P-NW-PO			0	752	0	0	-22	0	0	0	0	0
	Zone - 139	Zn Tot/Ave	0	752	0	0	-22	0	0	0	0	0
	Zone - 139	Zn Block	0	752	0	0	-22	0	0	0	0	0
3- 3E-P-NE-CR			0	230	0	0	-1	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage Sensible Btu/h	Latent Btu/h
	Zone - 140	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 140	Zn Block	0	230	0	0	-1	0	0	0	0	0
3- 3E-P-NE-OO			0	1,724	0	0	-7	0	0	0	0	0
	Zone - 141	Zn Tot/Ave	0	1,724	0	0	-7	0	0	0	0	0
	Zone - 141	Zn Block	0	1,724	0	0	-7	0	0	0	0	0
3- 3E-P-NE-CN			0	115	0	0	0	0	0	0	0	0
	Zone - 142	Zn Tot/Ave	0	115	0	0	0	0	0	0	0	0
	Zone - 142	Zn Block	0	115	0	0	0	0	0	0	0	0
3- 3E-P-SE-OO			0	5,184	0	0	-28	0	0	0	0	0
	Zone - 143	Zn Tot/Ave	0	5,184	0	0	-28	0	0	0	0	0
	Zone - 143	Zn Block	0	5,184	0	0	-28	0	0	0	0	0
3- 3E-P-NE-PO			0	230	0	0	-1	0	0	0	0	0
	Zone - 144	Zn Tot/Ave	0	230	0	0	-1	0	0	0	0	0
	Zone - 144	Zn Block	0	230	0	0	-1	0	0	0	0	0
3- 3E-P-SE-CR			0	691	0	0	-4	0	0	0	0	0
	Zone - 145	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 145	Zn Block	0	691	0	0	-4	0	0	0	0	0
3- 3E-P-SE-PO			0	691	0	0	-4	0	0	0	0	0
	Zone - 146	Zn Tot/Ave	0	691	0	0	-4	0	0	0	0	0
	Zone - 146	Zn Block	0	691	0	0	-4	0	0	0	0	0
3- 3E-P-SE-CN			0	346	0	0	-2	0	0	0	0	0
	Zone - 147	Zn Tot/Ave	0	346	0	0	-2	0	0	0	0	0
	Zone - 147	Zn Block	0	346	0	0	-2	0	0	0	0	0
3- 3W-P-S-CR			0	285	0	0	-2	0	0	0	0	0
	Zone - 148	Zn Tot/Ave	0	285	0	0	-2	0	0	0	0	0
	Zone - 148	Zn Block	0	285	0	0	-2	0	0	0	0	0
3- 3W-P-S-OO			0	2,138	0	0	-17	0	0	0	0	0
	Zone - 149	Zn Tot/Ave	0	2,138	0	0	-17	0	0	0	0	0
	Zone - 149	Zn Block	0	2,138	0	0	-17	0	0	0	0	0
3- 3W-P-S-CN			0	143	0	0	-1	0	0	0	0	0
	Zone - 150	Zn Tot/Ave	0	143	0	0	-1	0	0	0	0	0
	Zone - 150	Zn Block	0	143	0	0	-1	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>COOLING</b>									
System	Zone Room	Duct Heat Pickup	Supply Fan Heat	Auxiliary Fan Heat	Return Fan Heat	System Exhaust Heat Loss	Adjacent Air Trans Heat Loss	Auxiliary Coil Losses	UnderFlr Heat Pickup	— Supply Air Leakage —	
		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Sensible Btu/h	Latent Btu/h
3-	3W-P-S-PO	0	285	0	0	-2	0	0	0	0	0
	Zone - 151		Zn Tot/Ave	0	285	0	0	-2	0	0	0
	Zone - 151		Zn Block	0	285	0	0	-2	0	0	0
3-	3W-P-SW-CR	0	487	0	0	-9	0	0	0	0	0
	Zone - 152		Zn Tot/Ave	0	487	0	0	-9	0	0	0
	Zone - 152		Zn Block	0	487	0	0	-9	0	0	0
3-	3W-P-SW-OO	0	3,651	0	0	-68	0	0	0	0	0
	Zone - 153		Zn Tot/Ave	0	3,651	0	0	-68	0	0	0
	Zone - 153		Zn Block	0	3,651	0	0	-68	0	0	0
	<b>AHUs vav w/ rh</b>		Sys Tot/Ave	0	248,362	0	1	-7,481	0	0	0
	<b>AHUs vav w/ rh</b>		Sys Block	0	235,791	0	1	-6,820	0	0	0



# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

System Zone Room	COOLING									
	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
									Sensible Btu/h	Latent Btu/h
<b>Alternative 2</b>										
4- 4W-P-NW-OO	0	1,683	0	0	-58	0	0	0	0	0
Zone - 001			Zn Tot/Ave	0	1,683	0	0	-58	0	0
Zone - 001			Zn Block	0	1,683	0	0	-58	0	0
4- 4W-P-NW-MS	0	224	0	0	-8	0	0	0	0	0
Zone - 002			Zn Tot/Ave	0	224	0	0	-8	0	0
Zone - 002			Zn Block	0	224	0	0	-8	0	0
4- 4W-P-SW-OO	0	4,429	0	0	-101	0	0	0	0	0
Zone - 003			Zn Tot/Ave	0	4,429	0	0	-101	0	0
Zone - 003			Zn Block	0	4,429	0	0	-101	0	0
4- 4W-P-SW-L	0	886	0	0	-20	0	0	0	0	0
Zone - 004			Zn Tot/Ave	0	886	0	0	-20	0	0
Zone - 004			Zn Block	0	886	0	0	-20	0	0
4- 4W-P-SW-MS	0	590	0	0	-13	0	0	0	0	0
Zone - 005			Zn Tot/Ave	0	590	0	0	-13	0	0
Zone - 005			Zn Block	0	590	0	0	-13	0	0
4- 4W-P-S-OO	0	2,556	0	0	-25	0	0	0	0	0
Zone - 006			Zn Tot/Ave	0	2,556	0	0	-25	0	0
Zone - 006			Zn Block	0	2,556	0	0	-25	0	0
4- 4W-P-S-L	0	511	0	0	-5	0	0	0	0	0
Zone - 007			Zn Tot/Ave	0	511	0	0	-5	0	0
Zone - 007			Zn Block	0	511	0	0	-5	0	0
1W-P-SW-M	0	610	0	0	-14	0	0	0	0	0
Zone - 008			Zn Tot/Ave	0	610	0	0	-14	0	0
Zone - 008			Zn Block	0	610	0	0	-14	0	0
1W-P-SW-OO	0	1,829	0	0	-41	0	0	0	0	0
Zone - 009			Zn Tot/Ave	0	1,829	0	0	-41	0	0
Zone - 009			Zn Block	0	1,829	0	0	-41	0	0
1W-P-SW-S	0	610	0	0	-14	0	0	0	0	0
Zone - 010			Zn Tot/Ave	0	610	0	0	-14	0	0
Zone - 010			Zn Block	0	610	0	0	-14	0	0
1W-P-SW-L	0	1,525	0	0	-34	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 011	Zn Tot/Ave	0	1,525	0	0	-34	0	0	0	0	0
	Zone - 011	Zn Block	0	1,525	0	0	-34	0	0	0	0	0
1E-I-M			0	3,501	0	0	-119	0	0	0	0	0
	Zone - 012	Zn Tot/Ave	0	3,501	0	0	-119	0	0	0	0	0
	Zone - 012	Zn Block	0	3,501	0	0	-119	0	0	0	0	0
1W-P-SW-R			0	915	0	0	-20	0	0	0	0	0
	Zone - 014	Zn Tot/Ave	0	915	0	0	-20	0	0	0	0	0
	Zone - 014	Zn Block	0	915	0	0	-20	0	0	0	0	0
1W-P-S-CN			0	343	0	0	-3	0	0	0	0	0
	Zone - 015	Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
	Zone - 015	Zn Block	0	343	0	0	-3	0	0	0	0	0
1W-P-S-S			0	343	0	0	-3	0	0	0	0	0
	Zone - 016	Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
	Zone - 016	Zn Block	0	343	0	0	-3	0	0	0	0	0
1W-P-S-M			0	343	0	0	-3	0	0	0	0	0
	Zone - 017	Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
	Zone - 017	Zn Block	0	343	0	0	-3	0	0	0	0	0
1W-P-S-OO			0	1,030	0	0	-10	0	0	0	0	0
	Zone - 018	Zn Tot/Ave	0	1,030	0	0	-10	0	0	0	0	0
	Zone - 018	Zn Block	0	1,030	0	0	-10	0	0	0	0	0
1W-P-S-L			0	859	0	0	-8	0	0	0	0	0
	Zone - 019	Zn Tot/Ave	0	859	0	0	-8	0	0	0	0	0
	Zone - 019	Zn Block	0	859	0	0	-8	0	0	0	0	0
1W-P-S-R			0	515	0	0	-5	0	0	0	0	0
	Zone - 020	Zn Tot/Ave	0	515	0	0	-5	0	0	0	0	0
	Zone - 020	Zn Block	0	515	0	0	-5	0	0	0	0	0
1E-P-SE-CN			0	848	0	0	-1	0	0	0	0	0
	Zone - 021	Zn Tot/Ave	0	848	0	0	-1	0	0	0	0	0
	Zone - 021	Zn Block	0	848	0	0	-1	0	0	0	0	0
1E-P-SE-S			0	848	0	0	-1	0	0	0	0	0
	Zone - 022	Zn Tot/Ave	0	848	0	0	-1	0	0	0	0	0
	Zone - 022	Zn Block	0	848	0	0	-1	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING										
System	Zone	Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage		
			Heat Pickup	Fan Heat	Fan Heat	Fan Heat	Exhaust Heat Loss	Air Trans Heat Loss	Coil Losses	Heat Pickup	Sensible	Latent	
			Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
1E-P-SE-M			0	848	0	0	-1	0	0	0	0	0	0
	Zone - 023	Zn Tot/Ave	0	848	0	0	-1	0	0	0	0	0	0
	Zone - 023	Zn Block	0	848	0	0	-1	0	0	0	0	0	0
1E-P-SE-OO			0	2,543	0	0	-2	0	0	0	0	0	0
	Zone - 024	Zn Tot/Ave	0	2,543	0	0	-2	0	0	0	0	0	0
	Zone - 024	Zn Block	0	2,543	0	0	-2	0	0	0	0	0	0
1E-P-SE-R			0	1,271	0	0	-1	0	0	0	0	0	0
	Zone - 025	Zn Tot/Ave	0	1,271	0	0	-1	0	0	0	0	0	0
	Zone - 025	Zn Block	0	1,271	0	0	-1	0	0	0	0	0	0
1E-P-SE-L			0	2,119	0	0	-2	0	0	0	0	0	0
	Zone - 026	Zn Tot/Ave	0	2,119	0	0	-2	0	0	0	0	0	0
	Zone - 026	Zn Block	0	2,119	0	0	-2	0	0	0	0	0	0
1E-P-NE-CN			0	313	0	0	0	0	0	0	0	0	0
	Zone - 027	Zn Tot/Ave	0	313	0	0	0	0	0	0	0	0	0
	Zone - 027	Zn Block	0	313	0	0	0	0	0	0	0	0	0
1E-P-NE-S			0	313	0	0	0	0	0	0	0	0	0
	Zone - 028	Zn Tot/Ave	0	313	0	0	0	0	0	0	0	0	0
	Zone - 028	Zn Block	0	313	0	0	0	0	0	0	0	0	0
1E-P-NE-OO			0	940	0	0	0	0	0	0	0	0	0
	Zone - 029	Zn Tot/Ave	0	940	0	0	0	0	0	0	0	0	0
	Zone - 029	Zn Block	0	940	0	0	0	0	0	0	0	0	0
1E-P-NE-L			0	783	0	0	0	0	0	0	0	0	0
	Zone - 030	Zn Tot/Ave	0	783	0	0	0	0	0	0	0	0	0
	Zone - 030	Zn Block	0	783	0	0	0	0	0	0	0	0	0
1E-P-NE-M			0	313	0	0	0	0	0	0	0	0	0
	Zone - 031	Zn Tot/Ave	0	313	0	0	0	0	0	0	0	0	0
	Zone - 031	Zn Block	0	313	0	0	0	0	0	0	0	0	0
1E-P-NW-CN			0	1,081	0	0	-35	0	0	0	0	0	0
	Zone - 032	Zn Tot/Ave	0	1,081	0	0	-35	0	0	0	0	0	0
	Zone - 032	Zn Block	0	1,081	0	0	-35	0	0	0	0	0	0
1E-P-NE-R			0	531	0	0	-15	0	0	0	0	0	0
	Zone - 033	Zn Tot/Ave	0	531	0	0	-15	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage	
			Heat Pickup	Fan Heat	Fan Heat	Fan Heat	Exhaust Heat Loss	Air Trans Heat Loss	Coil Losses	Heat Pickup	Sensible	Latent
			Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
	Zone - 033	Zn Block	0	531	0	0	-15	0	0	0	0	0
1E-P-NW-S			0	1,081	0	0	-35	0	0	0	0	0
	Zone - 034	Zn Tot/Ave	0	1,081	0	0	-35	0	0	0	0	0
	Zone - 034	Zn Block	0	1,081	0	0	-35	0	0	0	0	0
4- 4W-P-N-MS			0	235	0	0	-8	0	0	0	0	0
	Zone - 035	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 035	Zn Block	0	235	0	0	-8	0	0	0	0	0
4- 4W-P-NW-L			0	337	0	0	-12	0	0	0	0	0
	Zone - 036	Zn Tot/Ave	0	337	0	0	-12	0	0	0	0	0
	Zone - 036	Zn Block	0	337	0	0	-12	0	0	0	0	0
4- 4W-P-N-L			0	353	0	0	-12	0	0	0	0	0
	Zone - 037	Zn Tot/Ave	0	353	0	0	-12	0	0	0	0	0
	Zone - 037	Zn Block	0	353	0	0	-12	0	0	0	0	0
1W-I-R			0	2,103	0	0	-72	0	0	0	0	0
	Zone - 038	Zn Tot/Ave	0	2,103	0	0	-72	0	0	0	0	0
	Zone - 038	Zn Block	0	2,103	0	0	-72	0	0	0	0	0
1W-I-L			0	3,505	0	0	-120	0	0	0	0	0
	Zone - 039	Zn Tot/Ave	0	3,505	0	0	-120	0	0	0	0	0
	Zone - 039	Zn Block	0	3,505	0	0	-120	0	0	0	0	0
1E-I-CN			0	3,501	0	0	-119	0	0	0	0	0
	Zone - 040	Zn Tot/Ave	0	3,501	0	0	-119	0	0	0	0	0
	Zone - 040	Zn Block	0	3,501	0	0	-119	0	0	0	0	0
1E-I-OO			0	10,504	0	0	-358	0	0	0	0	0
	Zone - 041	Zn Tot/Ave	0	10,504	0	0	-358	0	0	0	0	0
	Zone - 041	Zn Block	0	10,504	0	0	-358	0	0	0	0	0
1E-I-S			0	3,501	0	0	-119	0	0	0	0	0
	Zone - 042	Zn Tot/Ave	0	3,501	0	0	-119	0	0	0	0	0
	Zone - 042	Zn Block	0	3,501	0	0	-119	0	0	0	0	0
1E-I-R			0	5,252	0	0	-179	0	0	0	0	0
	Zone - 043	Zn Tot/Ave	0	5,252	0	0	-179	0	0	0	0	0
	Zone - 043	Zn Block	0	5,252	0	0	-179	0	0	0	0	0
1E-I-L			0	8,753	0	0	-298	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFIR Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 044	Zn Tot/Ave	0	8,753	0	0	-298	0	0	0	0	0
	Zone - 044	Zn Block	0	8,753	0	0	-298	0	0	0	0	0
4- 4W-P-S-MS			0	341	0	0	-3	0	0	0	0	0
	Zone - 045	Zn Tot/Ave	0	341	0	0	-3	0	0	0	0	0
	Zone - 045	Zn Block	0	341	0	0	-3	0	0	0	0	0
4- 4E-P-SE-OO			0	6,209	0	0	-212	0	0	0	0	0
	Zone - 046	Zn Tot/Ave	0	6,209	0	0	-212	0	0	0	0	0
	Zone - 046	Zn Block	0	6,209	0	0	-212	0	0	0	0	0
1W-P-SW-CN			0	610	0	0	-14	0	0	0	0	0
	Zone - 047	Zn Tot/Ave	0	610	0	0	-14	0	0	0	0	0
	Zone - 047	Zn Block	0	610	0	0	-14	0	0	0	0	0
1W-P-NW-R			0	337	0	0	-11	0	0	0	0	0
	Zone - 048	Zn Tot/Ave	0	337	0	0	-11	0	0	0	0	0
	Zone - 048	Zn Block	0	337	0	0	-11	0	0	0	0	0
1W-P-NW-L			0	561	0	0	-18	0	0	0	0	0
	Zone - 049	Zn Tot/Ave	0	561	0	0	-18	0	0	0	0	0
	Zone - 049	Zn Block	0	561	0	0	-18	0	0	0	0	0
4- 4E-P-SE-L			0	1,242	0	0	-42	0	0	0	0	0
	Zone - 050	Zn Tot/Ave	0	1,242	0	0	-42	0	0	0	0	0
	Zone - 050	Zn Block	0	1,242	0	0	-42	0	0	0	0	0
4- 4E-P-SE-MS			0	828	0	0	-28	0	0	0	0	0
	Zone - 051	Zn Tot/Ave	0	828	0	0	-28	0	0	0	0	0
	Zone - 051	Zn Block	0	828	0	0	-28	0	0	0	0	0
3- 3W-P-N-CR			0	235	0	0	-8	0	0	0	0	0
	Zone - 052	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 052	Zn Block	0	235	0	0	-8	0	0	0	0	0
3- 3W-P-N-PO			0	235	0	0	-8	0	0	0	0	0
	Zone - 053	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 053	Zn Block	0	235	0	0	-8	0	0	0	0	0
4- 4E-I-MS			0	3,501	0	0	-119	0	0	0	0	0
	Zone - 054	Zn Tot/Ave	0	3,501	0	0	-119	0	0	0	0	0
	Zone - 054	Zn Block	0	3,501	0	0	-119	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage	
			Heat Pickup Btu/h	Fan Heat Btu/h	Fan Heat Btu/h	Fan Heat Btu/h	Exhaust Heat Loss Btu/h	Air Trans Heat Loss Btu/h	Coil Losses Btu/h	Heat Pickup Btu/h	Sensible Btu/h	Latent Btu/h
4-	4E-I-L		0	5,252	0	0	-179	0	0	0	0	0
	Zone - 055	Zn Tot/Ave	0	5,252	0	0	-179	0	0	0	0	0
	Zone - 055	Zn Block	0	5,252	0	0	-179	0	0	0	0	0
4-	4E-I-OO		0	26,259	0	0	-895	0	0	0	0	0
	Zone - 056	Zn Tot/Ave	0	26,259	0	0	-895	0	0	0	0	0
	Zone - 056	Zn Block	0	26,259	0	0	-895	0	0	0	0	0
4-	4W-I-L		0	2,103	0	0	-72	0	0	0	0	0
	Zone - 057	Zn Tot/Ave	0	2,103	0	0	-72	0	0	0	0	0
	Zone - 057	Zn Block	0	2,103	0	0	-72	0	0	0	0	0
4-	4W-I-MS		0	1,402	0	0	-48	0	0	0	0	0
	Zone - 058	Zn Tot/Ave	0	1,402	0	0	-48	0	0	0	0	0
	Zone - 058	Zn Block	0	1,402	0	0	-48	0	0	0	0	0
4-	4W-I-OO		0	10,515	0	0	-359	0	0	0	0	0
	Zone - 059	Zn Tot/Ave	0	10,515	0	0	-359	0	0	0	0	0
	Zone - 059	Zn Block	0	10,515	0	0	-359	0	0	0	0	0
4-	4E-P-NW-L		0	1,620	0	0	-55	0	0	0	0	0
	Zone - 060	Zn Tot/Ave	0	1,620	0	0	-55	0	0	0	0	0
	Zone - 060	Zn Block	0	1,620	0	0	-55	0	0	0	0	0
4-	4E-P-NW-MS		0	1,080	0	0	-37	0	0	0	0	0
	Zone - 061	Zn Tot/Ave	0	1,080	0	0	-37	0	0	0	0	0
	Zone - 061	Zn Block	0	1,080	0	0	-37	0	0	0	0	0
4-	4E-P-W-OO		0	8,102	0	0	-276	0	0	0	0	0
	Zone - 062	Zn Tot/Ave	0	8,102	0	0	-276	0	0	0	0	0
	Zone - 062	Zn Block	0	8,102	0	0	-276	0	0	0	0	0
4-	4E-P-NE-MS		0	313	0	0	-11	0	0	0	0	0
	Zone - 063	Zn Tot/Ave	0	313	0	0	-11	0	0	0	0	0
	Zone - 063	Zn Block	0	313	0	0	-11	0	0	0	0	0
4-	4E-P-NE-L		0	470	0	0	-16	0	0	0	0	0
	Zone - 064	Zn Tot/Ave	0	470	0	0	-16	0	0	0	0	0
	Zone - 064	Zn Block	0	470	0	0	-16	0	0	0	0	0
4-	4E-P-NE-00		0	2,349	0	0	-80	0	0	0	0	0
	Zone - 065	Zn Tot/Ave	0	2,349	0	0	-80	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING										
System	Zone	Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage		
			Heat Pickup	Fan Heat	Fan Heat	Fan Heat	Exhaust Heat Loss	Air Trans Heat Loss	Coil Losses	Heat Pickup	Sensible	Latent	
			Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
	Zone - 065	Zn Block	0	2,349	0	0	-80	0	0	0	0	0	0
3- 3W-P-N-CN			0	118	0	0	-4	0	0	0	0	0	0
	Zone - 066	Zn Tot/Ave	0	118	0	0	-4	0	0	0	0	0	0
	Zone - 066	Zn Block	0	118	0	0	-4	0	0	0	0	0	0
3- 3W-P-N-OO			0	1,764	0	0	-60	0	0	0	0	0	0
	Zone - 067	Zn Tot/Ave	0	1,764	0	0	-60	0	0	0	0	0	0
	Zone - 067	Zn Block	0	1,764	0	0	-60	0	0	0	0	0	0
3- 3W-P-NW-CN			0	112	0	0	-4	0	0	0	0	0	0
	Zone - 068	Zn Tot/Ave	0	112	0	0	-4	0	0	0	0	0	0
	Zone - 068	Zn Block	0	112	0	0	-4	0	0	0	0	0	0
3- 3W-P-NW-CR			0	224	0	0	-7	0	0	0	0	0	0
	Zone - 069	Zn Tot/Ave	0	224	0	0	-7	0	0	0	0	0	0
	Zone - 069	Zn Block	0	224	0	0	-7	0	0	0	0	0	0
3- 3W-P-SW-PO			0	610	0	0	-14	0	0	0	0	0	0
	Zone - 070	Zn Tot/Ave	0	610	0	0	-14	0	0	0	0	0	0
	Zone - 070	Zn Block	0	610	0	0	-14	0	0	0	0	0	0
3- 3W-P-NW-PO			0	224	0	0	-7	0	0	0	0	0	0
	Zone - 071	Zn Tot/Ave	0	224	0	0	-7	0	0	0	0	0	0
	Zone - 071	Zn Block	0	224	0	0	-7	0	0	0	0	0	0
3- 3W-P-NW-OO			0	1,683	0	0	-55	0	0	0	0	0	0
	Zone - 072	Zn Tot/Ave	0	1,683	0	0	-55	0	0	0	0	0	0
	Zone - 072	Zn Block	0	1,683	0	0	-55	0	0	0	0	0	0
3- 3W-P-SW-CN			0	305	0	0	-7	0	0	0	0	0	0
	Zone - 073	Zn Tot/Ave	0	305	0	0	-7	0	0	0	0	0	0
	Zone - 073	Zn Block	0	305	0	0	-7	0	0	0	0	0	0
2- 2W-P-S-OO			0	2,575	0	0	-25	0	0	0	0	0	0
	Zone - 074	Zn Tot/Ave	0	2,575	0	0	-25	0	0	0	0	0	0
	Zone - 074	Zn Block	0	2,575	0	0	-25	0	0	0	0	0	0
2- 2W-P-S-CN			0	172	0	0	-2	0	0	0	0	0	0
	Zone - 075	Zn Tot/Ave	0	172	0	0	-2	0	0	0	0	0	0
	Zone - 075	Zn Block	0	172	0	0	-2	0	0	0	0	0	0
2- 2E-P-SE-CN			0	424	0	0	0	0	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 076	Zn Tot/Ave	0	424	0	0	0	0	0	0	0	0
	Zone - 076	Zn Block	0	424	0	0	0	0	0	0	0	0
2- 2E-P-SE-PO			0	848	0	0	-1	0	0	0	0	0
	Zone - 077	Zn Tot/Ave	0	848	0	0	-1	0	0	0	0	0
	Zone - 077	Zn Block	0	848	0	0	-1	0	0	0	0	0
2- 2W-P-S-CR			0	343	0	0	-3	0	0	0	0	0
	Zone - 078	Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
	Zone - 078	Zn Block	0	343	0	0	-3	0	0	0	0	0
2- 2E-P-SE-CR			0	848	0	0	-1	0	0	0	0	0
	Zone - 079	Zn Tot/Ave	0	848	0	0	-1	0	0	0	0	0
	Zone - 079	Zn Block	0	848	0	0	-1	0	0	0	0	0
2- 2E-P-NE-PO			0	313	0	0	0	0	0	0	0	0
	Zone - 080	Zn Tot/Ave	0	313	0	0	0	0	0	0	0	0
	Zone - 080	Zn Block	0	313	0	0	0	0	0	0	0	0
2- 2E-P-SE-OO			0	6,357	0	0	-6	0	0	0	0	0
	Zone - 081	Zn Tot/Ave	0	6,357	0	0	-6	0	0	0	0	0
	Zone - 081	Zn Block	0	6,357	0	0	-6	0	0	0	0	0
2- 2E-P-NE-OO			0	2,349	0	0	-1	0	0	0	0	0
	Zone - 082	Zn Tot/Ave	0	2,349	0	0	-1	0	0	0	0	0
	Zone - 082	Zn Block	0	2,349	0	0	-1	0	0	0	0	0
2- 2E-P-NE-CR			0	313	0	0	0	0	0	0	0	0
	Zone - 083	Zn Tot/Ave	0	313	0	0	0	0	0	0	0	0
	Zone - 083	Zn Block	0	313	0	0	0	0	0	0	0	0
2- 2E-P-NW-PO			0	1,080	0	0	-35	0	0	0	0	0
	Zone - 084	Zn Tot/Ave	0	1,080	0	0	-35	0	0	0	0	0
	Zone - 084	Zn Block	0	1,080	0	0	-35	0	0	0	0	0
2- 2E-P-NW-CR			0	1,080	0	0	-35	0	0	0	0	0
	Zone - 085	Zn Tot/Ave	0	1,080	0	0	-35	0	0	0	0	0
	Zone - 085	Zn Block	0	1,080	0	0	-35	0	0	0	0	0
2- 2E-P-NE-CN			0	157	0	0	0	0	0	0	0	0
	Zone - 086	Zn Tot/Ave	0	157	0	0	0	0	0	0	0	0
	Zone - 086	Zn Block	0	157	0	0	0	0	0	0	0	0



# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

System Zone Room	COOLING										
	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage		
									Sensible Btu/h	Latent Btu/h	
2- 2E-P-NW-CN	0	540	0	0	-18	0	0	0	0	0	
Zone - 087											
Zone - 087		Zn Tot/Ave	0	540	0	0	-18	0	0	0	
Zone - 087		Zn Block	0	540	0	0	-18	0	0	0	
2- 2E-P-NW-OO	0	8,102	0	0	-265	0	0	0	0	0	
Zone - 088											
Zone - 088		Zn Tot/Ave	0	8,102	0	0	-265	0	0	0	
Zone - 088		Zn Block	0	8,102	0	0	-265	0	0	0	
2- 2W-I-SM	0	2,804	0	0	-96	0	0	0	0	0	
Zone - 089											
Zone - 089		Zn Tot/Ave	0	2,804	0	0	-96	0	0	0	
Zone - 089		Zn Block	0	2,804	0	0	-96	0	0	0	
2- 2W-I-CN	0	2,804	0	0	-96	0	0	0	0	0	
Zone - 090											
Zone - 090		Zn Tot/Ave	0	2,804	0	0	-96	0	0	0	
Zone - 090		Zn Block	0	2,804	0	0	-96	0	0	0	
2- 2W-I-CR	0	1,402	0	0	-48	0	0	0	0	0	
Zone - 091											
Zone - 091		Zn Tot/Ave	0	1,402	0	0	-48	0	0	0	
Zone - 091		Zn Block	0	1,402	0	0	-48	0	0	0	
2- 2E-I-SM	0	7,002	0	0	-239	0	0	0	0	0	
Zone - 092											
Zone - 092		Zn Tot/Ave	0	7,002	0	0	-239	0	0	0	
Zone - 092		Zn Block	0	7,002	0	0	-239	0	0	0	
1W-P-NW-M	0	224	0	0	-7	0	0	0	0	0	
Zone - 093											
Zone - 093		Zn Tot/Ave	0	224	0	0	-7	0	0	0	
Zone - 093		Zn Block	0	224	0	0	-7	0	0	0	
2- 2E-I-CR	0	3,501	0	0	-119	0	0	0	0	0	
Zone - 094											
Zone - 094		Zn Tot/Ave	0	3,501	0	0	-119	0	0	0	
Zone - 094		Zn Block	0	3,501	0	0	-119	0	0	0	
2- 2W-I-OO	0	7,010	0	0	-239	0	0	0	0	0	
Zone - 095											
Zone - 095		Zn Tot/Ave	0	7,010	0	0	-239	0	0	0	
Zone - 095		Zn Block	0	7,010	0	0	-239	0	0	0	
2- 2E-I-OO	0	17,506	0	0	-597	0	0	0	0	0	
Zone - 096											
Zone - 096		Zn Tot/Ave	0	17,506	0	0	-597	0	0	0	
Zone - 096		Zn Block	0	17,506	0	0	-597	0	0	0	
1W-P-N-CN	0	235	0	0	-8	0	0	0	0	0	
Zone - 097											
Zone - 097		Zn Tot/Ave	0	235	0	0	-8	0	0	0	

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

		<b>COOLING</b>										
System	Zone Room	Duct	Supply	Auxiliary	Return	System	Adjacent	Auxiliary	UnderFlr	Supply Air Leakage		
		Heat Pickup	Fan Heat	Fan Heat	Fan Heat	Exhaust Heat Loss	Air Trans Heat Loss	Coil Losses	Heat Pickup	Sensible	Latent	
		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
	Zone - 097	Zn Block	0	235	0	0	-8	0	0	0	0	0
1W-P-N-S			0	235	0	0	-8	0	0	0	0	0
	Zone - 098	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 098	Zn Block	0	235	0	0	-8	0	0	0	0	0
1W-P-N-OO			0	706	0	0	-24	0	0	0	0	0
	Zone - 099	Zn Tot/Ave	0	706	0	0	-24	0	0	0	0	0
	Zone - 099	Zn Block	0	706	0	0	-24	0	0	0	0	0
1W-P-N-M			0	235	0	0	-8	0	0	0	0	0
	Zone - 100	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 100	Zn Block	0	235	0	0	-8	0	0	0	0	0
1W-P-N-L			0	5,881	0	0	-201	0	0	0	0	0
	Zone - 101	Zn Tot/Ave	0	5,881	0	0	-201	0	0	0	0	0
	Zone - 101	Zn Block	0	5,881	0	0	-201	0	0	0	0	0
1W-P-N-R			0	353	0	0	-12	0	0	0	0	0
	Zone - 102	Zn Tot/Ave	0	353	0	0	-12	0	0	0	0	0
	Zone - 102	Zn Block	0	353	0	0	-12	0	0	0	0	0
1W-P-NW-CN			0	224	0	0	-7	0	0	0	0	0
	Zone - 103	Zn Tot/Ave	0	224	0	0	-7	0	0	0	0	0
	Zone - 103	Zn Block	0	224	0	0	-7	0	0	0	0	0
1W-P-NW-S			0	224	0	0	-7	0	0	0	0	0
	Zone - 104	Zn Tot/Ave	0	224	0	0	-7	0	0	0	0	0
	Zone - 104	Zn Block	0	224	0	0	-7	0	0	0	0	0
1W-P-NW-OO			0	673	0	0	-22	0	0	0	0	0
	Zone - 105	Zn Tot/Ave	0	673	0	0	-22	0	0	0	0	0
	Zone - 105	Zn Block	0	673	0	0	-22	0	0	0	0	0
2- 2E-I-CN			0	7,002	0	0	-239	0	0	0	0	0
	Zone - 106	Zn Tot/Ave	0	7,002	0	0	-239	0	0	0	0	0
	Zone - 106	Zn Block	0	7,002	0	0	-239	0	0	0	0	0
2- 2W-P-SW-CN			0	305	0	0	-7	0	0	0	0	0
	Zone - 107	Zn Tot/Ave	0	305	0	0	-7	0	0	0	0	0
	Zone - 107	Zn Block	0	305	0	0	-7	0	0	0	0	0
2- 2W-P-NW-OO			0	1,683	0	0	-55	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 108	Zn Tot/Ave	0	1,683	0	0	-55	0	0	0	0	0
	Zone - 108	Zn Block	0	1,683	0	0	-55	0	0	0	0	0
2- 2W-P-SW-PO			0	610	0	0	-14	0	0	0	0	0
	Zone - 109	Zn Tot/Ave	0	610	0	0	-14	0	0	0	0	0
	Zone - 109	Zn Block	0	610	0	0	-14	0	0	0	0	0
2- 2W-P-NW-CR			0	224	0	0	-7	0	0	0	0	0
	Zone - 110	Zn Tot/Ave	0	224	0	0	-7	0	0	0	0	0
	Zone - 110	Zn Block	0	224	0	0	-7	0	0	0	0	0
2- 2W-P-NW-PO			0	224	0	0	-7	0	0	0	0	0
	Zone - 111	Zn Tot/Ave	0	224	0	0	-7	0	0	0	0	0
	Zone - 111	Zn Block	0	224	0	0	-7	0	0	0	0	0
2- 2W-P-NW-CN			0	112	0	0	-4	0	0	0	0	0
	Zone - 112	Zn Tot/Ave	0	112	0	0	-4	0	0	0	0	0
	Zone - 112	Zn Block	0	112	0	0	-4	0	0	0	0	0
1W-I-M			0	1,402	0	0	-48	0	0	0	0	0
	Zone - 113	Zn Tot/Ave	0	1,402	0	0	-48	0	0	0	0	0
	Zone - 113	Zn Block	0	1,402	0	0	-48	0	0	0	0	0
1W-I-OO			0	4,206	0	0	-143	0	0	0	0	0
	Zone - 114	Zn Tot/Ave	0	4,206	0	0	-143	0	0	0	0	0
	Zone - 114	Zn Block	0	4,206	0	0	-143	0	0	0	0	0
1W-I-S			0	1,402	0	0	-48	0	0	0	0	0
	Zone - 115	Zn Tot/Ave	0	1,402	0	0	-48	0	0	0	0	0
	Zone - 115	Zn Block	0	1,402	0	0	-48	0	0	0	0	0
1W-I-CN			0	1,402	0	0	-48	0	0	0	0	0
	Zone - 116	Zn Tot/Ave	0	1,402	0	0	-48	0	0	0	0	0
	Zone - 116	Zn Block	0	1,402	0	0	-48	0	0	0	0	0
1E-P-NW-R			0	1,620	0	0	-53	0	0	0	0	0
	Zone - 117	Zn Tot/Ave	0	1,620	0	0	-53	0	0	0	0	0
	Zone - 117	Zn Block	0	1,620	0	0	-53	0	0	0	0	0
1E-P-NW-L			0	2,701	0	0	-88	0	0	0	0	0
	Zone - 118	Zn Tot/Ave	0	2,701	0	0	-88	0	0	0	0	0
	Zone - 118	Zn Block	0	2,701	0	0	-88	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage Sensible Btu/h	Latent Btu/h
1E-P-NW-M			0	1,081	0	0	-35	0	0	0	0	0
	Zone - 119	Zn Tot/Ave	0	1,081	0	0	-35	0	0	0	0	0
	Zone - 119	Zn Block	0	1,081	0	0	-35	0	0	0	0	0
1E-P-NW-OO			0	3,241	0	0	-106	0	0	0	0	0
	Zone - 120	Zn Tot/Ave	0	3,241	0	0	-106	0	0	0	0	0
	Zone - 120	Zn Block	0	3,241	0	0	-106	0	0	0	0	0
2- 2W-P-S-PO			0	343	0	0	-3	0	0	0	0	0
	Zone - 121	Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
	Zone - 121	Zn Block	0	343	0	0	-3	0	0	0	0	0
2- 2W-P-SW-CR			0	610	0	0	-14	0	0	0	0	0
	Zone - 122	Zn Tot/Ave	0	610	0	0	-14	0	0	0	0	0
	Zone - 122	Zn Block	0	610	0	0	-14	0	0	0	0	0
2- 2W-P-SW-OO			0	4,574	0	0	-102	0	0	0	0	0
	Zone - 123	Zn Tot/Ave	0	4,574	0	0	-102	0	0	0	0	0
	Zone - 123	Zn Block	0	4,574	0	0	-102	0	0	0	0	0
2- 2W-P-N-OO			0	1,764	0	0	-60	0	0	0	0	0
	Zone - 124	Zn Tot/Ave	0	1,764	0	0	-60	0	0	0	0	0
	Zone - 124	Zn Block	0	1,764	0	0	-60	0	0	0	0	0
2- 2W-P-N-CN			0	118	0	0	-4	0	0	0	0	0
	Zone - 125	Zn Tot/Ave	0	118	0	0	-4	0	0	0	0	0
	Zone - 125	Zn Block	0	118	0	0	-4	0	0	0	0	0
2- 2W-P-N-CR			0	235	0	0	-8	0	0	0	0	0
	Zone - 126	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 126	Zn Block	0	235	0	0	-8	0	0	0	0	0
2- 2W-P-N-PO			0	235	0	0	-8	0	0	0	0	0
	Zone - 127	Zn Tot/Ave	0	235	0	0	-8	0	0	0	0	0
	Zone - 127	Zn Block	0	235	0	0	-8	0	0	0	0	0
3- 3E-I-OO			0	17,506	0	0	-597	0	0	0	0	0
	Zone - 128	Zn Tot/Ave	0	17,506	0	0	-597	0	0	0	0	0
	Zone - 128	Zn Block	0	17,506	0	0	-597	0	0	0	0	0
3- 3E-I-CR			0	3,501	0	0	-119	0	0	0	0	0
	Zone - 129	Zn Tot/Ave	0	3,501	0	0	-119	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 129	Zn Block	0	3,501	0	0	-119	0	0	0	0	0
3-	3E-I-CN		0	7,002	0	0	-239	0	0	0	0	0
	Zone - 130	Zn Tot/Ave	0	7,002	0	0	-239	0	0	0	0	0
	Zone - 130	Zn Block	0	7,002	0	0	-239	0	0	0	0	0
3-	3E-I-SM		0	7,002	0	0	-239	0	0	0	0	0
	Zone - 131	Zn Tot/Ave	0	7,002	0	0	-239	0	0	0	0	0
	Zone - 131	Zn Block	0	7,002	0	0	-239	0	0	0	0	0
3-	3W-I-OO		0	7,010	0	0	-239	0	0	0	0	0
	Zone - 132	Zn Tot/Ave	0	7,010	0	0	-239	0	0	0	0	0
	Zone - 132	Zn Block	0	7,010	0	0	-239	0	0	0	0	0
3-	3W-I-CR		0	1,402	0	0	-48	0	0	0	0	0
	Zone - 133	Zn Tot/Ave	0	1,402	0	0	-48	0	0	0	0	0
	Zone - 133	Zn Block	0	1,402	0	0	-48	0	0	0	0	0
3-	3W-I-CN		0	2,804	0	0	-96	0	0	0	0	0
	Zone - 134	Zn Tot/Ave	0	2,804	0	0	-96	0	0	0	0	0
	Zone - 134	Zn Block	0	2,804	0	0	-96	0	0	0	0	0
3-	3W-I-SM		0	2,804	0	0	-96	0	0	0	0	0
	Zone - 135	Zn Tot/Ave	0	2,804	0	0	-96	0	0	0	0	0
	Zone - 135	Zn Block	0	2,804	0	0	-96	0	0	0	0	0
3-	3E-P-NW-OO		0	8,102	0	0	-278	0	0	0	0	0
	Zone - 136	Zn Tot/Ave	0	8,102	0	0	-278	0	0	0	0	0
	Zone - 136	Zn Block	0	8,102	0	0	-278	0	0	0	0	0
3-	3E-P-NW-CN		0	540	0	0	-19	0	0	0	0	0
	Zone - 137	Zn Tot/Ave	0	540	0	0	-19	0	0	0	0	0
	Zone - 137	Zn Block	0	540	0	0	-19	0	0	0	0	0
3-	3E-P-NW-CR		0	1,080	0	0	-37	0	0	0	0	0
	Zone - 138	Zn Tot/Ave	0	1,080	0	0	-37	0	0	0	0	0
	Zone - 138	Zn Block	0	1,080	0	0	-37	0	0	0	0	0
3-	3E-P-NW-PO		0	1,080	0	0	-37	0	0	0	0	0
	Zone - 139	Zn Tot/Ave	0	1,080	0	0	-37	0	0	0	0	0
	Zone - 139	Zn Block	0	1,080	0	0	-37	0	0	0	0	0
3-	3E-P-NE-CR		0	313	0	0	-2	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

			COOLING									
System	Zone	Room	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
											Sensible Btu/h	Latent Btu/h
	Zone - 140	Zn Tot/Ave	0	313	0	0	-2	0	0	0	0	0
	Zone - 140	Zn Block	0	313	0	0	-2	0	0	0	0	0
3- 3E-P-NE-OO			0	2,349	0	0	-16	0	0	0	0	0
	Zone - 141	Zn Tot/Ave	0	2,349	0	0	-16	0	0	0	0	0
	Zone - 141	Zn Block	0	2,349	0	0	-16	0	0	0	0	0
3- 3E-P-NE-CN			0	157	0	0	-1	0	0	0	0	0
	Zone - 142	Zn Tot/Ave	0	157	0	0	-1	0	0	0	0	0
	Zone - 142	Zn Block	0	157	0	0	-1	0	0	0	0	0
3- 3E-P-SE-OO			0	6,352	0	0	-53	0	0	0	0	0
	Zone - 143	Zn Tot/Ave	0	6,352	0	0	-53	0	0	0	0	0
	Zone - 143	Zn Block	0	6,352	0	0	-53	0	0	0	0	0
3- 3E-P-NE-PO			0	313	0	0	-2	0	0	0	0	0
	Zone - 144	Zn Tot/Ave	0	313	0	0	-2	0	0	0	0	0
	Zone - 144	Zn Block	0	313	0	0	-2	0	0	0	0	0
3- 3E-P-SE-CR			0	847	0	0	-7	0	0	0	0	0
	Zone - 145	Zn Tot/Ave	0	847	0	0	-7	0	0	0	0	0
	Zone - 145	Zn Block	0	847	0	0	-7	0	0	0	0	0
3- 3E-P-SE-PO			0	847	0	0	-7	0	0	0	0	0
	Zone - 146	Zn Tot/Ave	0	847	0	0	-7	0	0	0	0	0
	Zone - 146	Zn Block	0	847	0	0	-7	0	0	0	0	0
3- 3E-P-SE-CN			0	424	0	0	-4	0	0	0	0	0
	Zone - 147	Zn Tot/Ave	0	424	0	0	-4	0	0	0	0	0
	Zone - 147	Zn Block	0	424	0	0	-4	0	0	0	0	0
3- 3W-P-S-CR			0	343	0	0	-3	0	0	0	0	0
	Zone - 148	Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
	Zone - 148	Zn Block	0	343	0	0	-3	0	0	0	0	0
3- 3W-P-S-OO			0	2,575	0	0	-25	0	0	0	0	0
	Zone - 149	Zn Tot/Ave	0	2,575	0	0	-25	0	0	0	0	0
	Zone - 149	Zn Block	0	2,575	0	0	-25	0	0	0	0	0
3- 3W-P-S-CN			0	172	0	0	-2	0	0	0	0	0
	Zone - 150	Zn Tot/Ave	0	172	0	0	-2	0	0	0	0	0
	Zone - 150	Zn Block	0	172	0	0	-2	0	0	0	0	0

# AIRFLOW HEAT GAIN & LOSS

## AT SPACE PEAK

By Trial

System Zone Room	<b>COOLING</b>									
	Duct Heat Pickup Btu/h	Supply Fan Heat Btu/h	Auxiliary Fan Heat Btu/h	Return Fan Heat Btu/h	System Exhaust Heat Loss Btu/h	Adjacent Air Trans Heat Loss Btu/h	Auxiliary Coil Losses Btu/h	UnderFlr Heat Pickup Btu/h	Supply Air Leakage	
									Sensible Btu/h	Latent Btu/h
3- 3W-P-S-PO	0	343	0	0	-3	0	0	0	0	0
Zone - 151										
Zn Tot/Ave	0	343	0	0	-3	0	0	0	0	0
Zn Block	0	343	0	0	-3	0	0	0	0	0
3- 3W-P-SW-CR	0	610	0	0	-14	0	0	0	0	0
Zone - 152										
Zn Tot/Ave	0	610	0	0	-14	0	0	0	0	0
Zn Block	0	610	0	0	-14	0	0	0	0	0
3- 3W-P-SW-OO	0	4,574	0	0	-102	0	0	0	0	0
Zone - 153										
Zn Tot/Ave	0	4,574	0	0	-102	0	0	0	0	0
Zn Block	0	4,574	0	0	-102	0	0	0	0	0
<b>AHUs vav w/ rh</b>										
Sys Tot/Ave	0	345,450	0	1	-10,060	0	0	0	0	0
Sys Block	0	336,956	0	1	-10,874	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

### Alternative 1

System Zone Room	WALL				WINDOW									
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD			
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F			
4- 4W-P-NW-OO	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0			
Zone - 001			Zn Tot/Ave	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0
Zone - 001			Zn Block	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0
4- 4W-P-NW-MS	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0			
Zone - 002			Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 002			Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
4- 4W-P-SW-OO	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0			
Zone - 003			Zn Tot/Ave	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
Zone - 003			Zn Block	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
4- 4W-P-SW-L	-192	-71.6	-590	-72.0	0	0	0.000	-3,624	-72.0	0	0.0			
Zone - 004			Zn Tot/Ave	-192	-71.6	-590	-72.0	0	0	0.000	-3,624	-72.0	0	0.0
Zone - 004			Zn Block	-192	-71.6	-590	-72.0	0	0	0.000	-3,624	-72.0	0	0.0
4- 4W-P-SW-MS	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0			
Zone - 005			Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 005			Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
4- 4W-P-S-OO	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,634	-72.0	0	0.0			
Zone - 006			Zn Tot/Ave	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,634	-72.0	0	0.0
Zone - 006			Zn Block	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,634	-72.0	0	0.0
4- 4W-P-S-L	-95	-71.6	-217	-72.0	0	0	0.000	-2,328	-72.0	0	0.0			
Zone - 007			Zn Tot/Ave	-95	-71.6	-217	-72.0	0	0	0.000	-2,328	-72.0	0	0.0
Zone - 007			Zn Block	-95	-71.6	-217	-72.0	0	0	0.000	-2,328	-72.0	0	0.0
1W-P-SW-M	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0			
Zone - 008			Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 008			Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
1W-P-SW-OO	-384	-71.6	-1,180	-72.0	0	0	0.000	-7,249	-72.0	0	0.0			
Zone - 009			Zn Tot/Ave	-384	-71.6	-1,180	-72.0	0	0	0.000	-7,249	-72.0	0	0.0
Zone - 009			Zn Block	-384	-71.6	-1,180	-72.0	0	0	0.000	-7,249	-72.0	0	0.0
1W-P-SW-S	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0			
Zone - 010			Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 010			Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
1W-P-SW-L	-320	-71.6	-983	-72.0	0	0	0.000	-6,041	-72.0	0	0.0			
Zone - 011			Zn Tot/Ave	-320	-71.6	-983	-72.0	0	0	0.000	-6,041	-72.0	0	0.0
Zone - 011			Zn Block	-320	-71.6	-983	-72.0	0	0	0.000	-6,041	-72.0	0	0.0
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 012			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0	0.0			
Zone - 012			Zn Block	0	0.0	0	0.0	0	0.0	0	0.0			
1W-P-SW-R	-192	-71.6	-590	-72.0	0	0	0.000	-3,624	-72.0	0	0.0			
Zone - 014			Zn Tot/Ave	-192	-71.6	-590	-72.0	0	0	0.000	-3,624	-72.0	0	0.0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
Zone - 014	Zn Block	-192	-71.6	-590	-72.0	0	0	0.000	-3,624	-72.0	0	0.0
1W-P-S-CN		-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 015	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 015	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
1W-P-S-S		-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 016	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 016	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
1W-P-S-M		-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 017	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 017	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
1W-P-S-OO		-190	-71.6	-433	-72.0	0	0	0.000	-4,653	-72.0	0	0.0
Zone - 018	Zn Tot/Ave	-190	-71.6	-433	-72.0	0	0	0.000	-4,653	-72.0	0	0.0
Zone - 018	Zn Block	-190	-71.6	-433	-72.0	0	0	0.000	-4,653	-72.0	0	0.0
1W-P-S-L		-158	-71.6	-361	-72.0	0	0	0.000	-3,879	-72.0	0	0.0
Zone - 019	Zn Tot/Ave	-158	-71.6	-361	-72.0	0	0	0.000	-3,879	-72.0	0	0.0
Zone - 019	Zn Block	-158	-71.6	-361	-72.0	0	0	0.000	-3,879	-72.0	0	0.0
1W-P-S-R		-95	-71.6	-217	-72.0	0	0	0.000	-2,328	-72.0	0	0.0
Zone - 020	Zn Tot/Ave	-95	-71.6	-217	-72.0	0	0	0.000	-2,328	-72.0	0	0.0
Zone - 020	Zn Block	-95	-71.6	-217	-72.0	0	0	0.000	-2,328	-72.0	0	0.0
1E-P-SE-CN		-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 021	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 021	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
1E-P-SE-S		-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 022	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 022	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
1E-P-SE-M		-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 023	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 023	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
1E-P-SE-OO		-579	-71.6	-1,729	-72.0	0	0	0.000	-11,295	-72.0	0	0.0
Zone - 024	Zn Tot/Ave	-579	-71.6	-1,729	-72.0	0	0	0.000	-11,295	-72.0	0	0.0
Zone - 024	Zn Block	-579	-71.6	-1,729	-72.0	0	0	0.000	-11,295	-72.0	0	0.0
1E-P-SE-R		-289	-71.6	-865	-72.0	0	0	0.000	-5,648	-72.0	0	0.0
Zone - 025	Zn Tot/Ave	-289	-71.6	-865	-72.0	0	0	0.000	-5,648	-72.0	0	0.0
Zone - 025	Zn Block	-289	-71.6	-865	-72.0	0	0	0.000	-5,648	-72.0	0	0.0
1E-P-SE-L		-482	-71.6	-1,441	-72.0	0	0	0.000	-9,413	-72.0	0	0.0
Zone - 026	Zn Tot/Ave	-482	-71.6	-1,441	-72.0	0	0	0.000	-9,413	-72.0	0	0.0
Zone - 026	Zn Block	-482	-71.6	-1,441	-72.0	0	0	0.000	-9,413	-72.0	0	0.0
1E-P-NE-CN		-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 027	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 027	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
1E-P-NE-S	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0	
Zone - 028												
Zone - 028	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 028	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
1E-P-NE-OO	-255	-71.6	-637	-72.0	0	0	0.000	-5,839	-72.0	0	0.0	
Zone - 029	Zn Tot/Ave	-255	-71.6	-637	-72.0	0	0	0.000	-5,839	-72.0	0	0.0
Zone - 029	Zn Block	-255	-71.6	-637	-72.0	0	0	0.000	-5,839	-72.0	0	0.0
1E-P-NE-L	-212	-71.6	-531	-72.0	0	0	0.000	-4,866	-72.0	0	0.0	
Zone - 030	Zn Tot/Ave	-212	-71.6	-531	-72.0	0	0	0.000	-4,866	-72.0	0	0.0
Zone - 030	Zn Block	-212	-71.6	-531	-72.0	0	0	0.000	-4,866	-72.0	0	0.0
1E-P-NE-M	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0	
Zone - 031	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 031	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
1E-P-NW-CN	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0	
Zone - 032	Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 032	Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
1E-P-NE-R	-127	-71.6	-318	-72.0	0	0	0.000	-2,918	-72.0	0	0.0	
Zone - 033	Zn Tot/Ave	-127	-71.6	-318	-72.0	0	0	0.000	-2,918	-72.0	0	0.0
Zone - 033	Zn Block	-127	-71.6	-318	-72.0	0	0	0.000	-2,918	-72.0	0	0.0
1E-P-NW-S	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0	
Zone - 034	Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 034	Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
4- 4W-P-N-MS	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0	
Zone - 035	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 035	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
4- 4W-P-NW-L	-100	-71.6	-349	-72.0	0	0	0.000	-1,616	-72.0	0	0.0	
Zone - 036	Zn Tot/Ave	-100	-71.6	-349	-72.0	0	0	0.000	-1,616	-72.0	0	0.0
Zone - 036	Zn Block	-100	-71.6	-349	-72.0	0	0	0.000	-1,616	-72.0	0	0.0
4- 4W-P-N-L	-68	-71.6	-273	-72.0	0	0	0.000	-843	-72.0	0	0.0	
Zone - 037	Zn Tot/Ave	-68	-71.6	-273	-72.0	0	0	0.000	-843	-72.0	0	0.0
Zone - 037	Zn Block	-68	-71.6	-273	-72.0	0	0	0.000	-843	-72.0	0	0.0
1W-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 038	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 039	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
IE-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 040	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 041	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 041	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 042	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 042	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 043	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 043	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 044	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 044	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-P-S-MS		-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 045	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 045	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
4- 4E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 046	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 046	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-SW-CN		-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 047	Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 047	Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
1W-P-NW-R		-100	-71.6	-349	-72.0	0	0	0.000	-1,616	-72.0	0	0.0
Zone - 048	Zn Tot/Ave	-100	-71.6	-349	-72.0	0	0	0.000	-1,616	-72.0	0	0.0
Zone - 048	Zn Block	-100	-71.6	-349	-72.0	0	0	0.000	-1,616	-72.0	0	0.0
1W-P-NW-L		-167	-71.6	-581	-72.0	0	0	0.000	-2,692	-72.0	0	0.0
Zone - 049	Zn Tot/Ave	-167	-71.6	-581	-72.0	0	0	0.000	-2,692	-72.0	0	0.0
Zone - 049	Zn Block	-167	-71.6	-581	-72.0	0	0	0.000	-2,692	-72.0	0	0.0
4- 4E-P-SE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 050	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 050	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-SE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 051	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 051	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CR		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 052	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 052	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
3- 3W-P-N-PO		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 053	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 053	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
4- 4E-I-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 054	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 054	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN		-23	-71.6	-91	-72.0	0	0	0.000	-281	-72.0	0	0.0
Zone - 066	Zn Tot/Ave	-23	-71.6	-91	-72.0	0	0	0.000	-281	-72.0	0	0.0
Zone - 066	Zn Block	-23	-71.6	-91	-72.0	0	0	0.000	-281	-72.0	0	0.0
3- 3W-P-N-OO		-340	-71.6	-1,363	-72.0	0	0	0.000	-4,213	-72.0	0	0.0
Zone - 067	Zn Tot/Ave	-340	-71.6	-1,363	-72.0	0	0	0.000	-4,213	-72.0	0	0.0
Zone - 067	Zn Block	-340	-71.6	-1,363	-72.0	0	0	0.000	-4,213	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
3- 3W-P-NW-CN	-33	-71.6	-116	-72.0	0	0	0.000	-538	-72.0	0	0.0	
Zone - 068	Zn Tot/Ave	-33	-71.6	-116	-72.0	0	0	0.000	-538	-72.0	0	0.0
Zone - 068	Zn Block	-33	-71.6	-116	-72.0	0	0	0.000	-538	-72.0	0	0.0
3- 3W-P-NW-CR	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
Zone - 069	Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 069	Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
3- 3W-P-SW-PO	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0	
Zone - 070	Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 070	Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
3- 3W-P-NW-PO	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
Zone - 071	Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 071	Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
3- 3W-P-NW-OO	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0	
Zone - 072	Zn Tot/Ave	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0
Zone - 072	Zn Block	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0
3- 3W-P-SW-CN	-64	-71.6	-197	-72.0	0	0	0.000	-1,208	-72.0	0	0.0	
Zone - 073	Zn Tot/Ave	-64	-71.6	-197	-72.0	0	0	0.000	-1,208	-72.0	0	0.0
Zone - 073	Zn Block	-64	-71.6	-197	-72.0	0	0	0.000	-1,208	-72.0	0	0.0
2- 2W-P-S-OO	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,633	-72.0	0	0.0	
Zone - 074	Zn Tot/Ave	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,633	-72.0	0	0.0
Zone - 074	Zn Block	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,633	-72.0	0	0.0
2- 2W-P-S-CN	-32	-71.6	-72	-72.0	0	0	0.000	-776	-72.0	0	0.0	
Zone - 075	Zn Tot/Ave	-32	-71.6	-72	-72.0	0	0	0.000	-776	-72.0	0	0.0
Zone - 075	Zn Block	-32	-71.6	-72	-72.0	0	0	0.000	-776	-72.0	0	0.0
2- 2E-P-SE-CN	-96	-71.6	-288	-72.0	0	0	0.000	-1,883	-72.0	0	0.0	
Zone - 076	Zn Tot/Ave	-96	-71.6	-288	-72.0	0	0	0.000	-1,883	-72.0	0	0.0
Zone - 076	Zn Block	-96	-71.6	-288	-72.0	0	0	0.000	-1,883	-72.0	0	0.0
2- 2E-P-SE-PO	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0	
Zone - 077	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 077	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
2- 2W-P-S-CR	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0	
Zone - 078	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 078	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
2- 2E-P-SE-CR	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0	
Zone - 079	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 079	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
2- 2E-P-NE-PO	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0	
Zone - 080	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 080	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
2- 2E-P-SE-OO	-1,447	-71.6	-4,323	-72.0	0	0	0.000	-28,237	-72.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
Zone - 081	Zn Tot/Ave	-1,447	-71.6	-4,323	-72.0	0	0	0.000	-28,237	-72.0	0	0.0
Zone - 081	Zn Block	-1,447	-71.6	-4,323	-72.0	0	0	0.000	-28,237	-72.0	0	0.0
2- 2E-P-NE-OO		-637	-71.6	-1,592	-72.0	0	0	0.000	-14,594	-72.0	0	0.0
Zone - 082	Zn Tot/Ave	-637	-71.6	-1,592	-72.0	0	0	0.000	-14,594	-72.0	0	0.0
Zone - 082	Zn Block	-637	-71.6	-1,592	-72.0	0	0	0.000	-14,594	-72.0	0	0.0
2- 2E-P-NE-CR		-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 083	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 083	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
2- 2E-P-NW-PO		-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 084	Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 084	Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
2- 2E-P-NW-CR		-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 085	Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 085	Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
2- 2E-P-NE-CN		-42	-71.6	-106	-72.0	0	0	0.000	-974	-72.0	0	0.0
Zone - 086	Zn Tot/Ave	-42	-71.6	-106	-72.0	0	0	0.000	-974	-72.0	0	0.0
Zone - 086	Zn Block	-42	-71.6	-106	-72.0	0	0	0.000	-974	-72.0	0	0.0
2- 2E-P-NW-CN		-121	-71.6	-387	-72.0	0	0	0.000	-2,166	-72.0	0	0.0
Zone - 087	Zn Tot/Ave	-121	-71.6	-387	-72.0	0	0	0.000	-2,166	-72.0	0	0.0
Zone - 087	Zn Block	-121	-71.6	-387	-72.0	0	0	0.000	-2,166	-72.0	0	0.0
2- 2E-P-NW-OO		-1,808	-71.6	-5,804	-72.0	0	0	0.000	-32,491	-72.0	0	0.0
Zone - 088	Zn Tot/Ave	-1,808	-71.6	-5,804	-72.0	0	0	0.000	-32,491	-72.0	0	0.0
Zone - 088	Zn Block	-1,808	-71.6	-5,804	-72.0	0	0	0.000	-32,491	-72.0	0	0.0
2- 2W-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-M		-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 093	Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 093	Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
2- 2E-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 094	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 094	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 097	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 097	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
1W-P-N-S		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 098	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 098	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
1W-P-N-OO		-136	-71.6	-545	-72.0	0	0	0.000	-1,685	-72.0	0	0.0
Zone - 099	Zn Tot/Ave	-136	-71.6	-545	-72.0	0	0	0.000	-1,685	-72.0	0	0.0
Zone - 099	Zn Block	-136	-71.6	-545	-72.0	0	0	0.000	-1,685	-72.0	0	0.0
1W-P-N-M		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 100	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 100	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
1W-P-N-L		-113	-71.6	-454	-72.0	0	0	0.000	-1,404	-72.0	0	0.0
Zone - 101	Zn Tot/Ave	-113	-71.6	-454	-72.0	0	0	0.000	-1,404	-72.0	0	0.0
Zone - 101	Zn Block	-113	-71.6	-454	-72.0	0	0	0.000	-1,404	-72.0	0	0.0
1W-P-N-R		-68	-71.6	-273	-72.0	0	0	0.000	-843	-72.0	0	0.0
Zone - 102	Zn Tot/Ave	-68	-71.6	-273	-72.0	0	0	0.000	-843	-72.0	0	0.0
Zone - 102	Zn Block	-68	-71.6	-273	-72.0	0	0	0.000	-843	-72.0	0	0.0
1W-P-NW-CN		-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 103	Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 103	Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
1W-P-NW-S		-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 104	Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
Zone - 104	Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0
1W-P-NW-OO		-201	-71.6	-697	-72.0	0	0	0.000	-3,231	-72.0	0	0.0
Zone - 105	Zn Tot/Ave	-201	-71.6	-697	-72.0	0	0	0.000	-3,231	-72.0	0	0.0
Zone - 105	Zn Block	-201	-71.6	-697	-72.0	0	0	0.000	-3,231	-72.0	0	0.0
2- 2E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CN		-64	-71.6	-197	-72.0	0	0	0.000	-1,208	-72.0	0	0.0
Zone - 107	Zn Tot/Ave	-64	-71.6	-197	-72.0	0	0	0.000	-1,208	-72.0	0	0.0
Zone - 107	Zn Block	-64	-71.6	-197	-72.0	0	0	0.000	-1,208	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
2- 2W-P-NW-OO	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0	
Zone - 108 Zn Tot/Ave	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0	
Zone - 108 Zn Block	-501	-71.6	-1,743	-72.0	0	0	0.000	-8,077	-72.0	0	0.0	
2- 2W-P-SW-PO	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0	
Zone - 109 Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0	
Zone - 109 Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0	
2- 2W-P-NW-CR	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
Zone - 110 Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
Zone - 110 Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
2- 2W-P-NW-PO	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
Zone - 111 Zn Tot/Ave	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
Zone - 111 Zn Block	-67	-71.6	-232	-72.0	0	0	0.000	-1,078	-72.0	0	0.0	
2- 2W-P-NW-CN	-33	-71.6	-116	-72.0	0	0	0.000	-538	-72.0	0	0.0	
Zone - 112 Zn Tot/Ave	-33	-71.6	-116	-72.0	0	0	0.000	-538	-72.0	0	0.0	
Zone - 112 Zn Block	-33	-71.6	-116	-72.0	0	0	0.000	-538	-72.0	0	0.0	
1W-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 113 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 113 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 114 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 114 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 115 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 115 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 116 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 116 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-R	-362	-71.6	-1,161	-72.0	0	0	0.000	-6,498	-72.0	0	0.0	
Zone - 117 Zn Tot/Ave	-362	-71.6	-1,161	-72.0	0	0	0.000	-6,498	-72.0	0	0.0	
Zone - 117 Zn Block	-362	-71.6	-1,161	-72.0	0	0	0.000	-6,498	-72.0	0	0.0	
1E-P-NW-L	-603	-71.6	-1,935	-72.0	0	0	0.000	-10,830	-72.0	0	0.0	
Zone - 118 Zn Tot/Ave	-603	-71.6	-1,935	-72.0	0	0	0.000	-10,830	-72.0	0	0.0	
Zone - 118 Zn Block	-603	-71.6	-1,935	-72.0	0	0	0.000	-10,830	-72.0	0	0.0	
1E-P-NW-M	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0	
Zone - 119 Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0	
Zone - 119 Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0	
1E-P-NW-OO	-723	-71.6	-2,322	-72.0	0	0	0.000	-12,997	-72.0	0	0.0	
Zone - 120 Zn Tot/Ave	-723	-71.6	-2,322	-72.0	0	0	0.000	-12,997	-72.0	0	0.0	
Zone - 120 Zn Block	-723	-71.6	-2,322	-72.0	0	0	0.000	-12,997	-72.0	0	0.0	
2- 2W-P-S-PO	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0	



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
Zone - 121	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 121	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
2- 2W-P-SW-CR		-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 122	Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 122	Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
2- 2W-P-SW-OO		-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
Zone - 123	Zn Tot/Ave	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
Zone - 123	Zn Block	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
2- 2W-P-N-OO		-340	-71.6	-1,363	-72.0	0	0	0.000	-4,213	-72.0	0	0.0
Zone - 124	Zn Tot/Ave	-340	-71.6	-1,363	-72.0	0	0	0.000	-4,213	-72.0	0	0.0
Zone - 124	Zn Block	-340	-71.6	-1,363	-72.0	0	0	0.000	-4,213	-72.0	0	0.0
2- 2W-P-N-CN		-23	-71.6	-91	-72.0	0	0	0.000	-281	-72.0	0	0.0
Zone - 125	Zn Tot/Ave	-23	-71.6	-91	-72.0	0	0	0.000	-281	-72.0	0	0.0
Zone - 125	Zn Block	-23	-71.6	-91	-72.0	0	0	0.000	-281	-72.0	0	0.0
2- 2W-P-N-CR		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 126	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 126	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
2- 2W-P-N-PO		-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 127	Zn Tot/Ave	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
Zone - 127	Zn Block	-45	-71.6	-182	-72.0	0	0	0.000	-562	-72.0	0	0.0
3- 3E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 128	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 128	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 129	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 129	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 132	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 132	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 133	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 133	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 134	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 134	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-OO		-1,808	-71.6	-5,804	-72.0	0	0	0.000	-32,491	-72.0	0	0.0
Zone - 136	Zn Tot/Ave	-1,808	-71.6	-5,804	-72.0	0	0	0.000	-32,491	-72.0	0	0.0
Zone - 136	Zn Block	-1,808	-71.6	-5,804	-72.0	0	0	0.000	-32,491	-72.0	0	0.0
3- 3E-P-NW-CN		-121	-71.6	-387	-72.0	0	0	0.000	-2,166	-72.0	0	0.0
Zone - 137	Zn Tot/Ave	-121	-71.6	-387	-72.0	0	0	0.000	-2,166	-72.0	0	0.0
Zone - 137	Zn Block	-121	-71.6	-387	-72.0	0	0	0.000	-2,166	-72.0	0	0.0
3- 3E-P-NW-CR		-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 138	Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 138	Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
3- 3E-P-NW-PO		-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 139	Zn Tot/Ave	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
Zone - 139	Zn Block	-241	-71.6	-774	-72.0	0	0	0.000	-4,332	-72.0	0	0.0
3- 3E-P-NE-CR		-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 140	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 140	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
3- 3E-P-NE-OO		-637	-71.6	-1,592	-72.0	0	0	0.000	-14,594	-72.0	0	0.0
Zone - 141	Zn Tot/Ave	-637	-71.6	-1,592	-72.0	0	0	0.000	-14,594	-72.0	0	0.0
Zone - 141	Zn Block	-637	-71.6	-1,592	-72.0	0	0	0.000	-14,594	-72.0	0	0.0
3- 3E-P-NE-CN		-42	-71.6	-106	-72.0	0	0	0.000	-974	-72.0	0	0.0
Zone - 142	Zn Tot/Ave	-42	-71.6	-106	-72.0	0	0	0.000	-974	-72.0	0	0.0
Zone - 142	Zn Block	-42	-71.6	-106	-72.0	0	0	0.000	-974	-72.0	0	0.0
3- 3E-P-SE-OO		-1,447	-71.6	-4,323	-72.0	0	0	0.000	-28,237	-72.0	0	0.0
Zone - 143	Zn Tot/Ave	-1,447	-71.6	-4,323	-72.0	0	0	0.000	-28,237	-72.0	0	0.0
Zone - 143	Zn Block	-1,447	-71.6	-4,323	-72.0	0	0	0.000	-28,237	-72.0	0	0.0
3- 3E-P-NE-PO		-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 144	Zn Tot/Ave	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
Zone - 144	Zn Block	-85	-71.6	-212	-72.0	0	0	0.000	-1,947	-72.0	0	0.0
3- 3E-P-SE-CR		-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 145	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 145	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
3- 3E-P-SE-PO		-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 146	Zn Tot/Ave	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
Zone - 146	Zn Block	-193	-71.6	-576	-72.0	0	0	0.000	-3,765	-72.0	0	0.0
3- 3E-P-SE-CN		-96	-71.6	-288	-72.0	0	0	0.000	-1,883	-72.0	0	0.0
Zone - 147	Zn Tot/Ave	-96	-71.6	-288	-72.0	0	0	0.000	-1,883	-72.0	0	0.0
Zone - 147	Zn Block	-96	-71.6	-288	-72.0	0	0	0.000	-1,883	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
3- 3W-P-S-CR	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0	
Zone - 148	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 148	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
3- 3W-P-S-OO	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,633	-72.0	0	0.0	
Zone - 149	Zn Tot/Ave	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,633	-72.0	0	0.0
Zone - 149	Zn Block	-475	-71.6	-1,083	-72.0	0	0	0.000	-11,633	-72.0	0	0.0
3- 3W-P-S-CN	-32	-71.6	-72	-72.0	0	0	0.000	-776	-72.0	0	0.0	
Zone - 150	Zn Tot/Ave	-32	-71.6	-72	-72.0	0	0	0.000	-776	-72.0	0	0.0
Zone - 150	Zn Block	-32	-71.6	-72	-72.0	0	0	0.000	-776	-72.0	0	0.0
3- 3W-P-S-PO	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0	
Zone - 151	Zn Tot/Ave	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
Zone - 151	Zn Block	-63	-71.6	-144	-72.0	0	0	0.000	-1,551	-72.0	0	0.0
3- 3W-P-SW-CR	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0	
Zone - 152	Zn Tot/Ave	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
Zone - 152	Zn Block	-128	-71.6	-393	-72.0	0	0	0.000	-2,416	-72.0	0	0.0
3- 3W-P-SW-OO	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0	
Zone - 153	Zn Tot/Ave	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
Zone - 153	Zn Block	-959	-71.6	-2,951	-72.0	0	0	0.000	-18,124	-72.0	0	0.0
AHUs vav w/ rh	Sys Tot/Ave	-27,362	-71.6	-83,590	-72.0	0	0	0.000	-521,344	-72.0	0	0.0
AHUs vav w/ rh	Sys Block	-27,362	-71.6	-83,590	-72.0	0	0	0.000	-521,344	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT								
	Plenum		Space		Solar	Plenum		Space		Solar CLF	Plenum		Space	
	Sensible	Plenum	Sensible	Space		Conduction	Plenum	Conduction	Space					
	Load	CLTD	Load	CLTD		Load	CLTD	Load	CLTD					
Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	Btu/h	°F	Btu/h	°F	Btu/h	°F			
4- 4W-P-NW-OO	-2,104	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 001	-2,104	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 001	Zn Tot/Ave													
Zone - 001	Zn Block													
4- 4W-P-NW-MS	-281	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 002	-281	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 002	Zn Tot/Ave													
Zone - 002	Zn Block													
4- 4W-P-SW-OO	-4,769	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 003	-4,769	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 003	Zn Tot/Ave													
Zone - 003	Zn Block													
4- 4W-P-SW-L	-954	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 004	-954	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 004	Zn Tot/Ave													
Zone - 004	Zn Block													
4- 4W-P-SW-MS	-636	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 005	-636	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 005	Zn Tot/Ave													
Zone - 005	Zn Block													
4- 4W-P-S-OO	-2,268	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 006	-2,268	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 006	Zn Tot/Ave													
Zone - 006	Zn Block													
4- 4W-P-S-L	-454	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 007	-454	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 007	Zn Tot/Ave													
Zone - 007	Zn Block													
1W-P-SW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 008	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 008	Zn Tot/Ave													
Zone - 008	Zn Block													
1W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 009	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 009	Zn Tot/Ave													
Zone - 009	Zn Block													
1W-P-SW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 010	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 010	Zn Tot/Ave													
Zone - 010	Zn Block													
1W-P-SW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 011	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 011	Zn Tot/Ave													
Zone - 011	Zn Block													
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 012	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 012	Zn Tot/Ave													
Zone - 012	Zn Block													
1W-P-SW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 014	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0	
Zone - 014	Zn Tot/Ave													
Zone - 014	Zn Block													

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
1W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 015	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 015	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space		
	Sensible	CLTD	Sensible	CLTD	Conduction	Solar	Solar	Conduction	CLTD	Conduction	CLTD	
	Load	°F	Load	°F	Load	Btu/h	Btu/h	Load	°F	Load	°F	
	Btu/h				Solar		Solar CLF					
1E-P-NE-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 028	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 028	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 029	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 029	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 030	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 030	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 031	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 031	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 032	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 032	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 033	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 033	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 034	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 034	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-N-MS	-294	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 035	-294	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 035	-294	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-NW-L	-421	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 036	-421	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 036	-421	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-N-L	-441	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 037	-441	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 037	-441	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
1W-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 038	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 038	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 039	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 039	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
IE-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 040	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 040	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum		Space		Plenum		Plenum		Space		Space	
	Sensible	Plenum	Sensible	Space	Solar	Solar	Conduction	Plenum	Conduction	Conduction	Space	
	Load	CLTD	Load	CLTD	Btu/h	Btu/h	Load	°F	Load	°F	Load	°F
	Btu/h	°F	Btu/h	°F			Solar CLF	Btu/h	°F	Btu/h	°F	
1E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 041	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 041	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 042	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 042	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 043	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 043	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 044	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 044	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-MS	-302	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 045	-302	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 045	-302	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 046	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 046	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 047	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 047	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 048	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 048	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 049	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 049	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 050	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 050	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 051	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 051	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 052	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 052	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 053	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 053	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h	
4- 4E-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 054	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 054	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-L	-2,630	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 057	-2,630	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 057	-2,630	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-MS	-1,753	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 058	-1,753	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 058	-1,753	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-OO	-13,151	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 059	-13,151	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 059	-13,151	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 066	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 066	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space		
	Sensible	CLTD	Sensible	CLTD	Conduction	Solar	Solar	Conduction	CLTD	Conduction	CLTD	
	Load	°F	Load	°F	Load	Btu/h	Btu/h	Load	°F	Load	°F	
	Btu/h				Solar		Solar CLF					
3- 3W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 067	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 067	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 068	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 068	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-NW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 069	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 069	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-SW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 070	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 070	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-NW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 071	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 071	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 072	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 072	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 073	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 073	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-S-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 074	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 074	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 075	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 075	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2E-P-SE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 076	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 076	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2E-P-SE-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 077	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 077	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-S-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 078	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 078	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2E-P-SE-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 079	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 079	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h	
2- 2E-P-NE-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 080			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 080			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 081			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 081			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 082			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 082			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 083			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 083			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 084			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 084			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 085			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 085			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 086			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 086			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 087			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 087			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 088			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 088			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 089			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 090			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 091			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0
Zone - 092			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space	
	Sensible	CLTD	Sensible	CLTD	Conduction	Solar	Solar	Load	CLTD	Conduction	CLTD
	Load	°F	Load	°F	Load	Btu/h	Btu/h	Btu/h	°F	Load	°F
	Btu/h	°F	Btu/h	°F	Solar	Solar	Solar CLF	Btu/h	°F	Btu/h	°F
1W-P-NW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 093	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 093	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 094	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 094	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 097	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 097	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 098	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 098	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 099	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 099	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 100	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 100	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 101	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 101	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 102	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 102	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 103	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 103	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 104	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 104	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 105	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 105	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT							
	Plenum	Space		Space	Plenum	Space	Solar	Solar	Solar	Plenum	Space		
	Sensible	Plenum	Sensible							Conduction	Plenum	Conduction	Space
	Load	CLTD	Load	CLTD	Load	CLTD	Load	CLTD	Load	CLTD	Load	CLTD	
Btu/h	°F	Btu/h	°F	Btu/h	°F	Btu/h	°F	Btu/h	°F	Btu/h	°F		
2- 2E-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 106	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 106	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
2- 2W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 107	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 107	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
2- 2W-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 108	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 108	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
2- 2W-P-SW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 109	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 109	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
2- 2W-P-NW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 110	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 110	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
2- 2W-P-NW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 111	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 111	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
2- 2W-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 112	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 112	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
1W-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 113	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 113	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
1W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 114	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 114	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
1W-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 115	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 115	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
1W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 116	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 116	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
1E-P-NW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 117	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 117	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
1E-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 118	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0
Zone - 118	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space		
	Sensible	CLTD	Sensible	CLTD	Conduction	Solar	Solar	Conduction	CLTD	Conduction	CLTD	
	Load	°F	Load	°F	Load	Btu/h	Btu/h	Load	°F	Load	°F	
	Btu/h				Solar		Solar CLF					
1E-P-NW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 119	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 120	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-S-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 121	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-SW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 122	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 123	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 124	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 125	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 126	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 127	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-OO	-21,895	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 128	-21,895	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	-21,895	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CR	-4,379	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 129	-4,379	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	-4,379	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CN	-8,758	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 130	-8,758	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	-8,758	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-SM	-8,758	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 131	-8,758	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zn Tot/Ave												
Zn Block	-8,758	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum		Space		Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum		Space		
	Sensible	Plenum	Sensible	Space				Conduction	Plenum	Conduction	Space	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F				Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	
3- 3W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 132	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 132	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 133	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 133	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 134	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 134	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 135	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 135	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-OO	-10,133	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 136	-10,133	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 136	-10,133	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-CN	-676	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 137	-676	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 137	-676	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-CR	-1,351	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 138	-1,351	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 138	-1,351	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-PO	-1,351	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 139	-1,351	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 139	-1,351	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-CR	-392	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 140	-392	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 140	-392	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-OO	-2,938	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 141	-2,938	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 141	-2,938	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-CN	-196	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 142	-196	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 142	-196	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-SE-OO	-7,766	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 143	-7,766	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 143	-7,766	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-PO	-392	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 144	-392	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 144	-392	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum	Space		Space	Plenum	Space	Solar	Solar	Solar	Plenum	Space	
	Sensible	Plenum	Sensible								Conduction	Plenum
	Load	CLTD	Load	CLTD	Load	CLTD	Load	CLTD	Load	CLTD	Load	CLTD
Btu/h	°F	Btu/h	°F	Btu/h	°F	Btu/h	°F	Btu/h	°F	Btu/h	°F	
3- 3E-P-SE-CR	-1,035	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 145	-1,035	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 145	-1,035	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-SE-PO	-1,035	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 146	-1,035	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 146	-1,035	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-SE-CN	-518	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 147	-518	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 147	-518	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-S-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 148	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 148	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-S-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 149	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 149	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 150	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 150	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-S-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 151	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 151	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-SW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 152	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 152	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 153	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 153	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
AHUs vav w/ rh	-102,031	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	
AHUs vav w/ rh	-102,031	-71.6	0	-72.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
4- 4W-P-NW-OO	0	0.0	0	0.0	71	-5,688	70.6	-77	-18,189
Zone - 001									
Zn Tot/Ave	0	0.0	0	0.0	71	-5,688	70.6	-77	-18,189
Zn Block	0	0.0	0	0.0	71	-5,688	70.6	-77	-18,189
4- 4W-P-NW-MS	0	0.0	0	0.0	9	-758	70.6	-10	-2,426
Zone - 002									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,426
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,426
4- 4W-P-SW-OO	0	0.0	0	0.0	161	-12,889	70.6	-174	-39,864
Zone - 003									
Zn Tot/Ave	0	0.0	0	0.0	161	-12,889	70.6	-174	-39,864
Zn Block	0	0.0	0	0.0	161	-12,889	70.6	-174	-39,864
4- 4W-P-SW-L	0	0.0	0	0.0	32	-2,578	70.6	-35	-7,972
Zone - 004									
Zn Tot/Ave	0	0.0	0	0.0	32	-2,578	70.6	-35	-7,972
Zn Block	0	0.0	0	0.0	32	-2,578	70.6	-35	-7,972
4- 4W-P-SW-MS	0	0.0	0	0.0	21	-1,718	70.6	-23	-5,315
Zone - 005									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-5,315
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-5,315
4- 4W-P-S-OO	0	0.0	0	0.0	77	-6,130	70.6	-83	-21,673
Zone - 006									
Zn Tot/Ave	0	0.0	0	0.0	77	-6,130	70.6	-83	-21,673
Zn Block	0	0.0	0	0.0	77	-6,130	70.6	-83	-21,673
4- 4W-P-S-L	0	0.0	0	0.0	15	-1,226	70.6	-17	-4,336
Zone - 007									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,226	70.6	-17	-4,336
Zn Block	0	0.0	0	0.0	15	-1,226	70.6	-17	-4,336
1W-P-SW-M	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 008									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
1W-P-SW-OO	0	0.0	0	0.0	64	-5,155	70.6	-69	-14,037
Zone - 009									
Zn Tot/Ave	0	0.0	0	0.0	64	-5,155	70.6	-69	-14,037
Zn Block	0	0.0	0	0.0	64	-5,155	70.6	-69	-14,037
1W-P-SW-S	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 010									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
1W-P-SW-L	0	0.0	0	0.0	54	-4,296	70.6	-58	-11,698
Zone - 011									
Zn Tot/Ave	0	0.0	0	0.0	54	-4,296	70.6	-58	-11,698
Zn Block	0	0.0	0	0.0	54	-4,296	70.6	-58	-11,698
1E-I-M	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zone - 012									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zn Block	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
1W-P-SW-R	0	0.0	0	0.0	32	-2,578	70.6	-35	-7,019
Zone - 014									
Zn Tot/Ave	0	0.0	0	0.0	32	-2,578	70.6	-35	-7,019
Zn Block	0	0.0	0	0.0	32	-2,578	70.6	-35	-7,019



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1W-P-S-CN	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 015									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
1W-P-S-S	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 016									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
1W-P-S-M	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 017									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
1W-P-S-OO	0	0.0	0	0.0	31	-2,452	70.6	-33	-7,761
Zone - 018									
Zn Tot/Ave	0	0.0	0	0.0	31	-2,452	70.6	-33	-7,761
Zn Block	0	0.0	0	0.0	31	-2,452	70.6	-33	-7,761
1W-P-S-L	0	0.0	0	0.0	26	-2,043	70.6	-28	-6,469
Zone - 019									
Zn Tot/Ave	0	0.0	0	0.0	26	-2,043	70.6	-28	-6,469
Zn Block	0	0.0	0	0.0	26	-2,043	70.6	-28	-6,469
1W-P-S-R	0	0.0	0	0.0	15	-1,226	70.6	-17	-3,882
Zone - 020									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,226	70.6	-17	-3,882
Zn Block	0	0.0	0	0.0	15	-1,226	70.6	-17	-3,882
1E-P-SE-CN	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zone - 021									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
1E-P-SE-S	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zone - 022									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
1E-P-SE-M	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zone - 023									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
1E-P-SE-OO	0	0.0	0	0.0	105	-8,395	70.6	-113	-22,111
Zone - 024									
Zn Tot/Ave	0	0.0	0	0.0	105	-8,395	70.6	-113	-22,111
Zn Block	0	0.0	0	0.0	105	-8,395	70.6	-113	-22,111
1E-P-SE-R	0	0.0	0	0.0	52	-4,198	70.6	-57	-11,056
Zone - 025									
Zn Tot/Ave	0	0.0	0	0.0	52	-4,198	70.6	-57	-11,056
Zn Block	0	0.0	0	0.0	52	-4,198	70.6	-57	-11,056
1E-P-SE-L	0	0.0	0	0.0	87	-6,996	70.6	-94	-18,427
Zone - 026									
Zn Tot/Ave	0	0.0	0	0.0	87	-6,996	70.6	-94	-18,427
Zn Block	0	0.0	0	0.0	87	-6,996	70.6	-94	-18,427
1E-P-NE-CN	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zone - 027									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1E-P-NE-S	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zone - 028									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
1E-P-NE-OO	0	0.0	0	0.0	40	-3,176	70.6	-43	-9,950
Zone - 029									
Zn Tot/Ave	0	0.0	0	0.0	40	-3,176	70.6	-43	-9,950
Zn Block	0	0.0	0	0.0	40	-3,176	70.6	-43	-9,950
1E-P-NE-L	0	0.0	0	0.0	33	-2,647	70.6	-36	-8,291
Zone - 030									
Zn Tot/Ave	0	0.0	0	0.0	33	-2,647	70.6	-36	-8,291
Zn Block	0	0.0	0	0.0	33	-2,647	70.6	-36	-8,291
1E-P-NE-M	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zone - 031									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
1E-P-NW-CN	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
Zone - 032									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
Zn Block	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
1E-P-NE-R	0	0.0	0	0.0	20	-1,588	70.6	-21	-4,974
Zone - 033									
Zn Tot/Ave	0	0.0	0	0.0	20	-1,588	70.6	-21	-4,974
Zn Block	0	0.0	0	0.0	20	-1,588	70.6	-21	-4,974
1E-P-NW-S	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
Zone - 034									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
Zn Block	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
4- 4W-P-N-MS	0	0.0	0	0.0	10	-795	70.6	-11	-1,889
Zone - 035									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,889
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,889
4- 4W-P-NW-L	0	0.0	0	0.0	14	-1,138	70.6	-15	-3,638
Zone - 036									
Zn Tot/Ave	0	0.0	0	0.0	14	-1,138	70.6	-15	-3,638
Zn Block	0	0.0	0	0.0	14	-1,138	70.6	-15	-3,638
4- 4W-P-N-L	0	0.0	0	0.0	15	-1,193	70.6	-16	-2,833
Zone - 037									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,193	70.6	-16	-2,833
Zn Block	0	0.0	0	0.0	15	-1,193	70.6	-16	-2,833
1W-I-R	0	0.0	0	0.0	89	-7,108	70.6	-96	-7,204
Zone - 038									
Zn Tot/Ave	0	0.0	0	0.0	89	-7,108	70.6	-96	-7,204
Zn Block	0	0.0	0	0.0	89	-7,108	70.6	-96	-7,204
1W-I-L	0	0.0	0	0.0	148	-11,847	70.6	-160	-12,007
Zone - 039									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,847	70.6	-160	-12,007
Zn Block	0	0.0	0	0.0	148	-11,847	70.6	-160	-12,007
IE-I-CN	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zone - 040									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zn Block	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1E-I-OO	0	0.0	0	0.0	443	-35,505	70.6	-479	-35,983
Zone - 041									
Zn Tot/Ave	0	0.0	0	0.0	443	-35,505	70.6	-479	-35,983
Zn Block	0	0.0	0	0.0	443	-35,505	70.6	-479	-35,983
1E-I-S	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zone - 042									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zn Block	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
1E-I-R	0	0.0	0	0.0	222	-17,752	70.6	-239	-17,992
Zone - 043									
Zn Tot/Ave	0	0.0	0	0.0	222	-17,752	70.6	-239	-17,992
Zn Block	0	0.0	0	0.0	222	-17,752	70.6	-239	-17,992
1E-I-L	0	0.0	0	0.0	369	-29,587	70.6	-399	-29,986
Zone - 044									
Zn Tot/Ave	0	0.0	0	0.0	369	-29,587	70.6	-399	-29,986
Zn Block	0	0.0	0	0.0	369	-29,587	70.6	-399	-29,986
4- 4W-P-S-MS	0	0.0	0	0.0	10	-817	70.6	-11	-2,890
Zone - 045									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,890
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,890
4- 4E-P-SE-OO	0	0.0	0	0.0	262	-20,988	70.6	-283	-21,271
Zone - 046									
Zn Tot/Ave	0	0.0	0	0.0	262	-20,988	70.6	-283	-21,271
Zn Block	0	0.0	0	0.0	262	-20,988	70.6	-283	-21,271
1W-P-SW-CN	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 047									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
1W-P-NW-R	0	0.0	0	0.0	14	-1,138	70.6	-15	-3,217
Zone - 048									
Zn Tot/Ave	0	0.0	0	0.0	14	-1,138	70.6	-15	-3,217
Zn Block	0	0.0	0	0.0	14	-1,138	70.6	-15	-3,217
1W-P-NW-L	0	0.0	0	0.0	24	-1,896	70.6	-26	-5,361
Zone - 049									
Zn Tot/Ave	0	0.0	0	0.0	24	-1,896	70.6	-26	-5,361
Zn Block	0	0.0	0	0.0	24	-1,896	70.6	-26	-5,361
4- 4E-P-SE-L	0	0.0	0	0.0	52	-4,198	70.6	-57	-4,254
Zone - 050									
Zn Tot/Ave	0	0.0	0	0.0	52	-4,198	70.6	-57	-4,254
Zn Block	0	0.0	0	0.0	52	-4,198	70.6	-57	-4,254
4- 4E-P-SE-MS	0	0.0	0	0.0	35	-2,798	70.6	-38	-2,836
Zone - 051									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-2,836
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-2,836
3- 3W-P-N-CR	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 052									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
3- 3W-P-N-PO	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 053									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
4- 4E-I-MS	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zone - 054									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zn Block	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
4- 4E-I-L	0	0.0	0	0.0	222	-17,752	70.6	-239	-17,992
Zone - 055									
Zn Tot/Ave	0	0.0	0	0.0	222	-17,752	70.6	-239	-17,992
Zn Block	0	0.0	0	0.0	222	-17,752	70.6	-239	-17,992
4- 4E-I-OO	0	0.0	0	0.0	1,108	-88,761	70.6	-1,196	-89,958
Zone - 056									
Zn Tot/Ave	0	0.0	0	0.0	1,108	-88,761	70.6	-1,196	-89,958
Zn Block	0	0.0	0	0.0	1,108	-88,761	70.6	-1,196	-89,958
4- 4W-I-L	0	0.0	0	0.0	89	-7,108	70.6	-96	-9,834
Zone - 057									
Zn Tot/Ave	0	0.0	0	0.0	89	-7,108	70.6	-96	-9,834
Zn Block	0	0.0	0	0.0	89	-7,108	70.6	-96	-9,834
4- 4W-I-MS	0	0.0	0	0.0	59	-4,739	70.6	-64	-6,556
Zone - 058									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.6	-64	-6,556
Zn Block	0	0.0	0	0.0	59	-4,739	70.6	-64	-6,556
4- 4W-I-OO	0	0.0	0	0.0	444	-35,542	70.6	-479	-49,172
Zone - 059									
Zn Tot/Ave	0	0.0	0	0.0	444	-35,542	70.6	-479	-49,172
Zn Block	0	0.0	0	0.0	444	-35,542	70.6	-479	-49,172
4- 4E-P-NW-L	0	0.0	0	0.0	68	-5,477	70.6	-74	-5,551
Zone - 060									
Zn Tot/Ave	0	0.0	0	0.0	68	-5,477	70.6	-74	-5,551
Zn Block	0	0.0	0	0.0	68	-5,477	70.6	-74	-5,551
4- 4E-P-NW-MS	0	0.0	0	0.0	46	-3,652	70.6	-49	-3,701
Zone - 061									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.6	-49	-3,701
Zn Block	0	0.0	0	0.0	46	-3,652	70.6	-49	-3,701
4- 4E-P-W-OO	0	0.0	0	0.0	342	-27,387	70.6	-369	-27,756
Zone - 062									
Zn Tot/Ave	0	0.0	0	0.0	342	-27,387	70.6	-369	-27,756
Zn Block	0	0.0	0	0.0	342	-27,387	70.6	-369	-27,756
4- 4E-P-NE-MS	0	0.0	0	0.0	13	-1,059	70.6	-14	-1,073
Zone - 063									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-1,073
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-1,073
4- 4E-P-NE-L	0	0.0	0	0.0	20	-1,588	70.6	-21	-1,609
Zone - 064									
Zn Tot/Ave	0	0.0	0	0.0	20	-1,588	70.6	-21	-1,609
Zn Block	0	0.0	0	0.0	20	-1,588	70.6	-21	-1,609
4- 4E-P-NE-00	0	0.0	0	0.0	99	-7,940	70.6	-107	-8,047
Zone - 065									
Zn Tot/Ave	0	0.0	0	0.0	99	-7,940	70.6	-107	-8,047
Zn Block	0	0.0	0	0.0	99	-7,940	70.6	-107	-8,047
3- 3W-P-N-CN	0	0.0	0	0.0	5	-398	70.6	-5	-797
Zone - 066									
Zn Tot/Ave	0	0.0	0	0.0	5	-398	70.6	-5	-797
Zn Block	0	0.0	0	0.0	5	-398	70.6	-5	-797

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
3- 3W-P-N-OO	0	0.0	0	0.0	74	-5,964	70.6	-80	-11,960
Zone - 067									
Zn Tot/Ave	0	0.0	0	0.0	74	-5,964	70.6	-80	-11,960
Zn Block	0	0.0	0	0.0	74	-5,964	70.6	-80	-11,960
3- 3W-P-NW-CN	0	0.0	0	0.0	5	-379	70.6	-5	-1,072
Zone - 068									
Zn Tot/Ave	0	0.0	0	0.0	5	-379	70.6	-5	-1,072
Zn Block	0	0.0	0	0.0	5	-379	70.6	-5	-1,072
3- 3W-P-NW-CR	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 069									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
3- 3W-P-SW-PO	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 070									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
3- 3W-P-NW-PO	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 071									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
3- 3W-P-NW-OO	0	0.0	0	0.0	71	-5,688	70.6	-77	-16,085
Zone - 072									
Zn Tot/Ave	0	0.0	0	0.0	71	-5,688	70.6	-77	-16,085
Zn Block	0	0.0	0	0.0	71	-5,688	70.6	-77	-16,085
3- 3W-P-SW-CN	0	0.0	0	0.0	11	-859	70.6	-12	-2,340
Zone - 073									
Zn Tot/Ave	0	0.0	0	0.0	11	-859	70.6	-12	-2,340
Zn Block	0	0.0	0	0.0	11	-859	70.6	-12	-2,340
2- 2W-P-S-OO	0	0.0	0	0.0	77	-6,130	70.6	-83	-19,404
Zone - 074									
Zn Tot/Ave	0	0.0	0	0.0	77	-6,130	70.6	-83	-19,404
Zn Block	0	0.0	0	0.0	77	-6,130	70.6	-83	-19,404
2- 2W-P-S-CN	0	0.0	0	0.0	5	-409	70.6	-6	-1,294
Zone - 075									
Zn Tot/Ave	0	0.0	0	0.0	5	-409	70.6	-6	-1,294
Zn Block	0	0.0	0	0.0	5	-409	70.6	-6	-1,294
2- 2E-P-SE-CN	0	0.0	0	0.0	17	-1,399	70.6	-19	-3,686
Zone - 076									
Zn Tot/Ave	0	0.0	0	0.0	17	-1,399	70.6	-19	-3,686
Zn Block	0	0.0	0	0.0	17	-1,399	70.6	-19	-3,686
2- 2E-P-SE-PO	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zone - 077									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
2- 2W-P-S-CR	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 078									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
2- 2E-P-SE-CR	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zone - 079									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-7,370

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
2- 2E-P-NE-PO	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zone - 080									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
2- 2E-P-SE-OO	0	0.0	0	0.0	262	-20,988	70.6	-283	-55,278
Zone - 081									
Zn Tot/Ave	0	0.0	0	0.0	262	-20,988	70.6	-283	-55,278
Zn Block	0	0.0	0	0.0	262	-20,988	70.6	-283	-55,278
2- 2E-P-NE-OO	0	0.0	0	0.0	99	-7,940	70.6	-107	-24,870
Zone - 082									
Zn Tot/Ave	0	0.0	0	0.0	99	-7,940	70.6	-107	-24,870
Zn Block	0	0.0	0	0.0	99	-7,940	70.6	-107	-24,870
2- 2E-P-NE-CR	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zone - 083									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,317
2- 2E-P-NW-PO	0	0.0	0	0.0	46	-3,652	70.6	-49	-9,048
Zone - 084									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.6	-49	-9,048
Zn Block	0	0.0	0	0.0	46	-3,652	70.6	-49	-9,048
2- 2E-P-NW-CR	0	0.0	0	0.0	46	-3,652	70.6	-49	-9,048
Zone - 085									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.6	-49	-9,048
Zn Block	0	0.0	0	0.0	46	-3,652	70.6	-49	-9,048
2- 2E-P-NE-CN	0	0.0	0	0.0	7	-529	70.6	-7	-1,659
Zone - 086									
Zn Tot/Ave	0	0.0	0	0.0	7	-529	70.6	-7	-1,659
Zn Block	0	0.0	0	0.0	7	-529	70.6	-7	-1,659
2- 2E-P-NW-CN	0	0.0	0	0.0	23	-1,826	70.6	-25	-4,524
Zone - 087									
Zn Tot/Ave	0	0.0	0	0.0	23	-1,826	70.6	-25	-4,524
Zn Block	0	0.0	0	0.0	23	-1,826	70.6	-25	-4,524
2- 2E-P-NW-OO	0	0.0	0	0.0	342	-27,387	70.6	-369	-67,860
Zone - 088									
Zn Tot/Ave	0	0.0	0	0.0	342	-27,387	70.6	-369	-67,860
Zn Block	0	0.0	0	0.0	342	-27,387	70.6	-369	-67,860
2- 2W-I-SM	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zone - 089									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zn Block	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
2- 2W-I-CN	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zone - 090									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zn Block	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
2- 2W-I-CR	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zone - 091									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zn Block	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
2- 2E-I-SM	0	0.0	0	0.0	295	-23,670	70.6	-319	-23,989
Zone - 092									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.6	-319	-23,989
Zn Block	0	0.0	0	0.0	295	-23,670	70.6	-319	-23,989

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1W-P-NW-M	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 093									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
2- 2E-I-CR	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zone - 094									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
Zn Block	0	0.0	0	0.0	148	-11,835	70.6	-160	-11,994
2- 2W-I-OO	0	0.0	0	0.0	296	-23,695	70.6	-319	-24,014
Zone - 095									
Zn Tot/Ave	0	0.0	0	0.0	296	-23,695	70.6	-319	-24,014
Zn Block	0	0.0	0	0.0	296	-23,695	70.6	-319	-24,014
2- 2E-I-OO	0	0.0	0	0.0	739	-59,174	70.6	-798	-59,972
Zone - 096									
Zn Tot/Ave	0	0.0	0	0.0	739	-59,174	70.6	-798	-59,972
Zn Block	0	0.0	0	0.0	739	-59,174	70.6	-798	-59,972
1W-P-N-CN	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 097									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
1W-P-N-S	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 098									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
1W-P-N-OO	0	0.0	0	0.0	30	-2,386	70.6	-32	-4,784
Zone - 099									
Zn Tot/Ave	0	0.0	0	0.0	30	-2,386	70.6	-32	-4,784
Zn Block	0	0.0	0	0.0	30	-2,386	70.6	-32	-4,784
1W-P-N-M	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 100									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
1W-P-N-L	0	0.0	0	0.0	248	-19,880	70.6	-268	-22,120
Zone - 101									
Zn Tot/Ave	0	0.0	0	0.0	248	-19,880	70.6	-268	-22,120
Zn Block	0	0.0	0	0.0	248	-19,880	70.6	-268	-22,120
1W-P-N-R	0	0.0	0	0.0	15	-1,193	70.6	-16	-2,392
Zone - 102									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,193	70.6	-16	-2,392
Zn Block	0	0.0	0	0.0	15	-1,193	70.6	-16	-2,392
1W-P-NW-CN	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 103									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
1W-P-NW-S	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 104									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
1W-P-NW-OO	0	0.0	0	0.0	28	-2,275	70.6	-31	-6,435
Zone - 105									
Zn Tot/Ave	0	0.0	0	0.0	28	-2,275	70.6	-31	-6,435
Zn Block	0	0.0	0	0.0	28	-2,275	70.6	-31	-6,435

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
2- 2E-I-CN	0	0.0	0	0.0	295	-23,670	70.6	-319	-23,989
Zone - 106									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.6	-319	-23,989
Zn Block	0	0.0	0	0.0	295	-23,670	70.6	-319	-23,989
2- 2W-P-SW-CN	0	0.0	0	0.0	11	-859	70.6	-12	-2,340
Zone - 107									
Zn Tot/Ave	0	0.0	0	0.0	11	-859	70.6	-12	-2,340
Zn Block	0	0.0	0	0.0	11	-859	70.6	-12	-2,340
2- 2W-P-NW-OO	0	0.0	0	0.0	71	-5,688	70.6	-77	-16,085
Zone - 108									
Zn Tot/Ave	0	0.0	0	0.0	71	-5,688	70.6	-77	-16,085
Zn Block	0	0.0	0	0.0	71	-5,688	70.6	-77	-16,085
2- 2W-P-SW-PO	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 109									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
2- 2W-P-NW-CR	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 110									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
2- 2W-P-NW-PO	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zone - 111									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
Zn Block	0	0.0	0	0.0	9	-758	70.6	-10	-2,146
2- 2W-P-NW-CN	0	0.0	0	0.0	5	-379	70.6	-5	-1,072
Zone - 112									
Zn Tot/Ave	0	0.0	0	0.0	5	-379	70.6	-5	-1,072
Zn Block	0	0.0	0	0.0	5	-379	70.6	-5	-1,072
1W-I-M	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zone - 113									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zn Block	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
1W-I-OO	0	0.0	0	0.0	177	-14,217	70.6	-192	-14,408
Zone - 114									
Zn Tot/Ave	0	0.0	0	0.0	177	-14,217	70.6	-192	-14,408
Zn Block	0	0.0	0	0.0	177	-14,217	70.6	-192	-14,408
1W-I-S	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zone - 115									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zn Block	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
1W-I-CN	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zone - 116									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zn Block	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
1E-P-NW-R	0	0.0	0	0.0	68	-5,477	70.6	-74	-13,572
Zone - 117									
Zn Tot/Ave	0	0.0	0	0.0	68	-5,477	70.6	-74	-13,572
Zn Block	0	0.0	0	0.0	68	-5,477	70.6	-74	-13,572
1E-P-NW-L	0	0.0	0	0.0	114	-9,129	70.6	-123	-22,620
Zone - 118									
Zn Tot/Ave	0	0.0	0	0.0	114	-9,129	70.6	-123	-22,620
Zn Block	0	0.0	0	0.0	114	-9,129	70.6	-123	-22,620



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1E-P-NW-M	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
Zone - 119									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
Zn Block	0	0.0	0	0.0	46	-3,654	70.6	-49	-9,051
1E-P-NW-OO	0	0.0	0	0.0	137	-10,955	70.6	-148	-27,144
Zone - 120									
Zn Tot/Ave	0	0.0	0	0.0	137	-10,955	70.6	-148	-27,144
Zn Block	0	0.0	0	0.0	137	-10,955	70.6	-148	-27,144
2- 2W-P-S-PO	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 121									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
2- 2W-P-SW-CR	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 122									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
2- 2W-P-SW-OO	0	0.0	0	0.0	161	-12,889	70.6	-174	-35,095
Zone - 123									
Zn Tot/Ave	0	0.0	0	0.0	161	-12,889	70.6	-174	-35,095
Zn Block	0	0.0	0	0.0	161	-12,889	70.6	-174	-35,095
2- 2W-P-N-OO	0	0.0	0	0.0	74	-5,964	70.6	-80	-11,960
Zone - 124									
Zn Tot/Ave	0	0.0	0	0.0	74	-5,964	70.6	-80	-11,960
Zn Block	0	0.0	0	0.0	74	-5,964	70.6	-80	-11,960
2- 2W-P-N-CN	0	0.0	0	0.0	5	-398	70.6	-5	-797
Zone - 125									
Zn Tot/Ave	0	0.0	0	0.0	5	-398	70.6	-5	-797
Zn Block	0	0.0	0	0.0	5	-398	70.6	-5	-797
2- 2W-P-N-CR	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 126									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
2- 2W-P-N-PO	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zone - 127									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
Zn Block	0	0.0	0	0.0	10	-795	70.6	-11	-1,595
3- 3E-I-OO	0	0.0	0	0.0	739	-59,174	70.6	-798	-81,867
Zone - 128									
Zn Tot/Ave	0	0.0	0	0.0	739	-59,174	70.6	-798	-81,867
Zn Block	0	0.0	0	0.0	739	-59,174	70.6	-798	-81,867
3- 3E-I-CR	0	0.0	0	0.0	148	-11,835	70.6	-160	-16,373
Zone - 129									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.6	-160	-16,373
Zn Block	0	0.0	0	0.0	148	-11,835	70.6	-160	-16,373
3- 3E-I-CN	0	0.0	0	0.0	295	-23,670	70.6	-319	-32,747
Zone - 130									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.6	-319	-32,747
Zn Block	0	0.0	0	0.0	295	-23,670	70.6	-319	-32,747
3- 3E-I-SM	0	0.0	0	0.0	295	-23,670	70.6	-319	-32,747
Zone - 131									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.6	-319	-32,747
Zn Block	0	0.0	0	0.0	295	-23,670	70.6	-319	-32,747

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
3- 3W-I-OO	0	0.0	0	0.0	296	-23,695	70.6	-319	-24,014
Zone - 132									
Zn Tot/Ave	0	0.0	0	0.0	296	-23,695	70.6	-319	-24,014
Zn Block	0	0.0	0	0.0	296	-23,695	70.6	-319	-24,014
3- 3W-I-CR	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zone - 133									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
Zn Block	0	0.0	0	0.0	59	-4,739	70.6	-64	-4,803
3- 3W-I-CN	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zone - 134									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zn Block	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
3- 3W-I-SM	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zone - 135									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
Zn Block	0	0.0	0	0.0	118	-9,478	70.6	-128	-9,606
3- 3E-P-NW-OO	0	0.0	0	0.0	342	-27,387	70.6	-369	-77,993
Zone - 136									
Zn Tot/Ave	0	0.0	0	0.0	342	-27,387	70.6	-369	-77,993
Zn Block	0	0.0	0	0.0	342	-27,387	70.6	-369	-77,993
3- 3E-P-NW-CN	0	0.0	0	0.0	23	-1,826	70.6	-25	-5,200
Zone - 137									
Zn Tot/Ave	0	0.0	0	0.0	23	-1,826	70.6	-25	-5,200
Zn Block	0	0.0	0	0.0	23	-1,826	70.6	-25	-5,200
3- 3E-P-NW-CR	0	0.0	0	0.0	46	-3,652	70.6	-49	-10,399
Zone - 138									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.6	-49	-10,399
Zn Block	0	0.0	0	0.0	46	-3,652	70.6	-49	-10,399
3- 3E-P-NW-PO	0	0.0	0	0.0	46	-3,652	70.6	-49	-10,399
Zone - 139									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.6	-49	-10,399
Zn Block	0	0.0	0	0.0	46	-3,652	70.6	-49	-10,399
3- 3E-P-NE-CR	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,709
Zone - 140									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,709
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,709
3- 3E-P-NE-OO	0	0.0	0	0.0	99	-7,940	70.6	-107	-27,808
Zone - 141									
Zn Tot/Ave	0	0.0	0	0.0	99	-7,940	70.6	-107	-27,808
Zn Block	0	0.0	0	0.0	99	-7,940	70.6	-107	-27,808
3- 3E-P-NE-CN	0	0.0	0	0.0	7	-529	70.6	-7	-1,855
Zone - 142									
Zn Tot/Ave	0	0.0	0	0.0	7	-529	70.6	-7	-1,855
Zn Block	0	0.0	0	0.0	7	-529	70.6	-7	-1,855
3- 3E-P-SE-OO	0	0.0	0	0.0	262	-20,988	70.6	-283	-63,044
Zone - 143									
Zn Tot/Ave	0	0.0	0	0.0	262	-20,988	70.6	-283	-63,044
Zn Block	0	0.0	0	0.0	262	-20,988	70.6	-283	-63,044
3- 3E-P-NE-PO	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,709
Zone - 144									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,709
Zn Block	0	0.0	0	0.0	13	-1,059	70.6	-14	-3,709

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
3- 3E-P-SE-CR	0	0.0	0	0.0	35	-2,798	70.6	-38	-8,406
Zone - 145									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-8,406
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-8,406
3- 3E-P-SE-PO	0	0.0	0	0.0	35	-2,798	70.6	-38	-8,406
Zone - 146									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.6	-38	-8,406
Zn Block	0	0.0	0	0.0	35	-2,798	70.6	-38	-8,406
3- 3E-P-SE-CN	0	0.0	0	0.0	17	-1,399	70.6	-19	-4,204
Zone - 147									
Zn Tot/Ave	0	0.0	0	0.0	17	-1,399	70.6	-19	-4,204
Zn Block	0	0.0	0	0.0	17	-1,399	70.6	-19	-4,204
3- 3W-P-S-CR	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 148									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
3- 3W-P-S-OO	0	0.0	0	0.0	77	-6,130	70.6	-83	-19,404
Zone - 149									
Zn Tot/Ave	0	0.0	0	0.0	77	-6,130	70.6	-83	-19,404
Zn Block	0	0.0	0	0.0	77	-6,130	70.6	-83	-19,404
3- 3W-P-S-CN	0	0.0	0	0.0	5	-409	70.6	-6	-1,294
Zone - 150									
Zn Tot/Ave	0	0.0	0	0.0	5	-409	70.6	-6	-1,294
Zn Block	0	0.0	0	0.0	5	-409	70.6	-6	-1,294
3- 3W-P-S-PO	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zone - 151									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
Zn Block	0	0.0	0	0.0	10	-817	70.6	-11	-2,587
3- 3W-P-SW-CR	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zone - 152									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
Zn Block	0	0.0	0	0.0	21	-1,718	70.6	-23	-4,679
3- 3W-P-SW-OO	0	0.0	0	0.0	161	-12,889	70.6	-174	-35,095
Zone - 153									
Zn Tot/Ave	0	0.0	0	0.0	161	-12,889	70.6	-174	-35,095
Zn Block	0	0.0	0	0.0	161	-12,889	70.6	-174	-35,095
<b>AHUs vav w/ rh</b>									
Sys Tot/Ave	0	0.0	0	0.0	14,213	-1,138,809	70.6	-15,351	-1,888,487
Sys Block	0	0.0	0	0.0	14,213	-1,138,809	70.6	-15,352	-1,888,489

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System	Zone	Room	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
4-	4W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-NW-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-SW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-SW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-SW-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-S-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-M			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-S			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 011	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 011	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 012	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 012	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 014	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 014	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 015	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 015	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 016	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 016	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 017	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 017	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 018	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 018	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 019	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 019	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 020	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 020	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 021	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 021	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 022	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 022	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 023	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 023	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
		1E-P-SE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 024	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 024	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-SE-R	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 025	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 025	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-SE-L	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 026	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 026	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NE-CN	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 027	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 027	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NE-S	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 028	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 028	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 029	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 029	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NE-L	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 030	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 030	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NE-M	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 031	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 031	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 032	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 032	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NE-R	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 033	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 033	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NW-S	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 034	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 034	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		4- 4W-P-N-MS	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 035	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 035	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 036	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 036	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 037	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 037	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1W-I-R		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 038	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 038	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 039	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 039	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
IE-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 040	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 040	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 041	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 041	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-S		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 042	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 042	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-R		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 043	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 043	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 044	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 044	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4W-P-S-MS		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 045	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 045	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 046	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 046	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 057	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 057	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 058	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 058	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 059	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 059	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 060	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 060	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NW-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 061	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 061	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-W-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 062	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 062	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NE-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 063	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 063	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 064	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 064	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NE-00		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 065	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 065	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 066	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 066	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 067	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 067	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 068	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 068	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
		3- 3W-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 069	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 069	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-SW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 070	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 070	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 071	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 071	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 072	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 072	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-SW-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 073	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 073	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 074	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 074	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 075	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 075	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-SE-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 076	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 076	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-SE-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 077	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 077	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 078	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 078	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-SE-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 079	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 079	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-NE-PO	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 080	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 080	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-SE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NE-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NE-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-I-SM	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-I-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 091	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System Zone Room											
Zone - 091	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2E-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 092	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 092	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-NW-M		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 093	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 093	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2E-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 094	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 094	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 095	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 095	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 096	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 096	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 097	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 097	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-S		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 098	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 098	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 099	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 099	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-M		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 100	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 100	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 101	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 101	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-R		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 102	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 102	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 103	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 103	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 104	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 104	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 105	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 105	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2E-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 106	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 106	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 107	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 107	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 108	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 108	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-SW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 109	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 109	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 110	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 110	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 111	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 111	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 112	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 112	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-I-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 113	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 113	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
		1W-I-OO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 114	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 114	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1W-I-S	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 115	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 115	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1W-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 116	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 116	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NW-R	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 117	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 117	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NW-L	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 118	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 118	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NW-M	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 119	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 119	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		1E-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 120	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 120	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		2- 2W-P-S-PO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 121	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 121	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		2- 2W-P-SW-CR	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 122	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 122	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		2- 2W-P-SW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 123	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 123	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		2- 2W-P-N-OO	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 124	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
	Zone - 124	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
		2- 2W-P-N-CN	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
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System	Zone	Room										
Zone - 125	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 125	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-N-CR			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 126	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 126	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-N-PO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 127	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 127	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-I-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 128	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 128	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-I-CR			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 129	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 129	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-I-CN			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 130	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 130	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-I-SM			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 131	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 131	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3W-I-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 132	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 132	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3W-I-CR			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 133	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 133	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3W-I-CN			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 134	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 134	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3W-I-SM			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 135	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 135	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 136	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By Trial

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System Zone Room											
Zone - 136	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 137	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 137	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 138	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 138	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 139	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 139	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 140	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 140	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 141	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 141	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 142	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 142	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 143	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 143	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 144	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 144	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 145	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 145	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 146	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 146	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 147	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 147	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 148	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 148	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 149	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 149	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 150	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 150	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 151	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 151	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-SW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 152	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 152	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-SW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 153	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 153	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	AHUs vav w/ rh	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	AHUs vav w/ rh	Sys Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

### Alternative 2

System Zone Room	WALL				WINDOW									
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD			
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F			
4- 4W-P-NW-OO	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0			
Zone - 001			Zn Tot/Ave	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0
Zone - 001			Zn Block	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0
4- 4W-P-NW-MS	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0			
Zone - 002			Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 002			Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
4- 4W-P-SW-OO	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0			
Zone - 003			Zn Tot/Ave	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
Zone - 003			Zn Block	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
4- 4W-P-SW-L	-148	-71.7	-243	-72.0	0	0	0.000	-4,065	-72.0	0	0.0			
Zone - 004			Zn Tot/Ave	-148	-71.7	-243	-72.0	0	0	0.000	-4,065	-72.0	0	0.0
Zone - 004			Zn Block	-148	-71.7	-243	-72.0	0	0	0.000	-4,065	-72.0	0	0.0
4- 4W-P-SW-MS	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0			
Zone - 005			Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 005			Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
4- 4W-P-S-OO	-367	-71.7	-154	-72.0	0	0	0.000	-13,049	-72.0	0	0.0			
Zone - 006			Zn Tot/Ave	-367	-71.7	-154	-72.0	0	0	0.000	-13,049	-72.0	0	0.0
Zone - 006			Zn Block	-367	-71.7	-154	-72.0	0	0	0.000	-13,049	-72.0	0	0.0
4- 4W-P-S-L	-74	-71.7	-31	-72.0	0	0	0.000	-2,611	-72.0	0	0.0			
Zone - 007			Zn Tot/Ave	-74	-71.7	-31	-72.0	0	0	0.000	-2,611	-72.0	0	0.0
Zone - 007			Zn Block	-74	-71.7	-31	-72.0	0	0	0.000	-2,611	-72.0	0	0.0
1W-P-SW-M	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0			
Zone - 008			Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 008			Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
1W-P-SW-OO	-297	-71.7	-486	-72.0	0	0	0.000	-8,131	-72.0	0	0.0			
Zone - 009			Zn Tot/Ave	-297	-71.7	-486	-72.0	0	0	0.000	-8,131	-72.0	0	0.0
Zone - 009			Zn Block	-297	-71.7	-486	-72.0	0	0	0.000	-8,131	-72.0	0	0.0
1W-P-SW-S	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0			
Zone - 010			Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 010			Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
1W-P-SW-L	-247	-71.7	-405	-72.0	0	0	0.000	-6,776	-72.0	0	0.0			
Zone - 011			Zn Tot/Ave	-247	-71.7	-405	-72.0	0	0	0.000	-6,776	-72.0	0	0.0
Zone - 011			Zn Block	-247	-71.7	-405	-72.0	0	0	0.000	-6,776	-72.0	0	0.0
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 012			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 012			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
1W-P-SW-R	-148	-71.7	-243	-72.0	0	0	0.000	-4,065	-72.0	0	0.0			
Zone - 014			Zn Tot/Ave	-148	-71.7	-243	-72.0	0	0	0.000	-4,065	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 014	Zn Block	-148	-71.7	-243	-72.0	0	0	0.000	-4,065	-72.0	0	0.0
1W-P-S-CN		-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 015	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 015	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
1W-P-S-S		-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 016	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 016	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
1W-P-S-M		-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 017	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 017	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
1W-P-S-OO		-147	-71.7	-62	-72.0	0	0	0.000	-5,219	-72.0	0	0.0
Zone - 018	Zn Tot/Ave	-147	-71.7	-62	-72.0	0	0	0.000	-5,219	-72.0	0	0.0
Zone - 018	Zn Block	-147	-71.7	-62	-72.0	0	0	0.000	-5,219	-72.0	0	0.0
1W-P-S-L		-123	-71.7	-51	-72.0	0	0	0.000	-4,351	-72.0	0	0.0
Zone - 019	Zn Tot/Ave	-123	-71.7	-51	-72.0	0	0	0.000	-4,351	-72.0	0	0.0
Zone - 019	Zn Block	-123	-71.7	-51	-72.0	0	0	0.000	-4,351	-72.0	0	0.0
1W-P-S-R		-74	-71.7	-31	-72.0	0	0	0.000	-2,611	-72.0	0	0.0
Zone - 020	Zn Tot/Ave	-74	-71.7	-31	-72.0	0	0	0.000	-2,611	-72.0	0	0.0
Zone - 020	Zn Block	-74	-71.7	-31	-72.0	0	0	0.000	-2,611	-72.0	0	0.0
1E-P-SE-CN		-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 021	Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 021	Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
1E-P-SE-S		-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 022	Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 022	Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
1E-P-SE-M		-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 023	Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 023	Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
1E-P-SE-OO		-447	-71.7	-673	-72.0	0	0	0.000	-12,669	-72.0	0	0.0
Zone - 024	Zn Tot/Ave	-447	-71.7	-673	-72.0	0	0	0.000	-12,669	-72.0	0	0.0
Zone - 024	Zn Block	-447	-71.7	-673	-72.0	0	0	0.000	-12,669	-72.0	0	0.0
1E-P-SE-R		-224	-71.7	-336	-72.0	0	0	0.000	-6,335	-72.0	0	0.0
Zone - 025	Zn Tot/Ave	-224	-71.7	-336	-72.0	0	0	0.000	-6,335	-72.0	0	0.0
Zone - 025	Zn Block	-224	-71.7	-336	-72.0	0	0	0.000	-6,335	-72.0	0	0.0
1E-P-SE-L		-373	-71.7	-561	-72.0	0	0	0.000	-10,558	-72.0	0	0.0
Zone - 026	Zn Tot/Ave	-373	-71.7	-561	-72.0	0	0	0.000	-10,558	-72.0	0	0.0
Zone - 026	Zn Block	-373	-71.7	-561	-72.0	0	0	0.000	-10,558	-72.0	0	0.0
1E-P-NE-CN		-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 027	Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 027	Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
1E-P-NE-S	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0	
Zone - 028	Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 028	Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
1E-P-NE-OO	-197	-71.7	-149	-72.0	0	0	0.000	-6,550	-72.0	0	0.0	
Zone - 029	Zn Tot/Ave	-197	-71.7	-149	-72.0	0	0	0.000	-6,550	-72.0	0	0.0
Zone - 029	Zn Block	-197	-71.7	-149	-72.0	0	0	0.000	-6,550	-72.0	0	0.0
1E-P-NE-L	-164	-71.7	-124	-72.0	0	0	0.000	-5,458	-72.0	0	0.0	
Zone - 030	Zn Tot/Ave	-164	-71.7	-124	-72.0	0	0	0.000	-5,458	-72.0	0	0.0
Zone - 030	Zn Block	-164	-71.7	-124	-72.0	0	0	0.000	-5,458	-72.0	0	0.0
1E-P-NE-M	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0	
Zone - 031	Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 031	Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
1E-P-NW-CN	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0	
Zone - 032	Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 032	Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
1E-P-NE-R	-98	-71.7	-75	-72.0	0	0	0.000	-3,274	-72.0	0	0.0	
Zone - 033	Zn Tot/Ave	-98	-71.7	-75	-72.0	0	0	0.000	-3,274	-72.0	0	0.0
Zone - 033	Zn Block	-98	-71.7	-75	-72.0	0	0	0.000	-3,274	-72.0	0	0.0
1E-P-NW-S	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0	
Zone - 034	Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 034	Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
4- 4W-P-N-MS	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0	
Zone - 035	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 035	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
4- 4W-P-NW-L	-78	-71.7	-174	-72.0	0	0	0.000	-1,812	-72.0	0	0.0	
Zone - 036	Zn Tot/Ave	-78	-71.7	-174	-72.0	0	0	0.000	-1,812	-72.0	0	0.0
Zone - 036	Zn Block	-78	-71.7	-174	-72.0	0	0	0.000	-1,812	-72.0	0	0.0
4- 4W-P-N-L	-53	-71.7	-161	-72.0	0	0	0.000	-945	-72.0	0	0.0	
Zone - 037	Zn Tot/Ave	-53	-71.7	-161	-72.0	0	0	0.000	-945	-72.0	0	0.0
Zone - 037	Zn Block	-53	-71.7	-161	-72.0	0	0	0.000	-945	-72.0	0	0.0
1W-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 038	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 039	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
IE-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 040	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 041	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 041	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 042	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 042	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 043	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 043	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 044	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 044	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-P-S-MS		-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 045	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 045	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
4- 4E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 046	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 046	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-SW-CN		-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 047	Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 047	Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
1W-P-NW-R		-78	-71.7	-174	-72.0	0	0	0.000	-1,812	-72.0	0	0.0
Zone - 048	Zn Tot/Ave	-78	-71.7	-174	-72.0	0	0	0.000	-1,812	-72.0	0	0.0
Zone - 048	Zn Block	-78	-71.7	-174	-72.0	0	0	0.000	-1,812	-72.0	0	0.0
1W-P-NW-L		-129	-71.7	-291	-72.0	0	0	0.000	-3,019	-72.0	0	0.0
Zone - 049	Zn Tot/Ave	-129	-71.7	-291	-72.0	0	0	0.000	-3,019	-72.0	0	0.0
Zone - 049	Zn Block	-129	-71.7	-291	-72.0	0	0	0.000	-3,019	-72.0	0	0.0
4- 4E-P-SE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 050	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 050	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-SE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 051	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 051	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CR		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 052	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 052	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
3- 3W-P-N-PO		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 053	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 053	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
4- 4E-I-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 054	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 054	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN		-18	-71.7	-54	-72.0	0	0	0.000	-315	-72.0	0	0.0
Zone - 066	Zn Tot/Ave	-18	-71.7	-54	-72.0	0	0	0.000	-315	-72.0	0	0.0
Zone - 066	Zn Block	-18	-71.7	-54	-72.0	0	0	0.000	-315	-72.0	0	0.0
3- 3W-P-N-OO		-263	-71.7	-805	-72.0	0	0	0.000	-4,726	-72.0	0	0.0
Zone - 067	Zn Tot/Ave	-263	-71.7	-805	-72.0	0	0	0.000	-4,726	-72.0	0	0.0
Zone - 067	Zn Block	-263	-71.7	-805	-72.0	0	0	0.000	-4,726	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F	
3- 3W-P-NW-CN	-26	-71.7	-58	-72.0	0	0	0.000	-604	-72.0	0	0.0	
Zone - 068 Zn Tot/Ave	-26	-71.7	-58	-72.0	0	0	0.000	-604	-72.0	0	0.0	
Zone - 068 Zn Block	-26	-71.7	-58	-72.0	0	0	0.000	-604	-72.0	0	0.0	
3- 3W-P-NW-CR	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zone - 069 Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zone - 069 Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
3- 3W-P-SW-PO	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
Zone - 070 Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
Zone - 070 Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
3- 3W-P-NW-PO	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zone - 071 Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zone - 071 Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
3- 3W-P-NW-OO	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0	
Zone - 072 Zn Tot/Ave	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0	
Zone - 072 Zn Block	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0	
3- 3W-P-SW-CN	-49	-71.7	-81	-72.0	0	0	0.000	-1,355	-72.0	0	0.0	
Zone - 073 Zn Tot/Ave	-49	-71.7	-81	-72.0	0	0	0.000	-1,355	-72.0	0	0.0	
Zone - 073 Zn Block	-49	-71.7	-81	-72.0	0	0	0.000	-1,355	-72.0	0	0.0	
2- 2W-P-S-OO	-367	-71.7	-154	-72.0	0	0	0.000	-13,048	-72.0	0	0.0	
Zone - 074 Zn Tot/Ave	-367	-71.7	-154	-72.0	0	0	0.000	-13,048	-72.0	0	0.0	
Zone - 074 Zn Block	-367	-71.7	-154	-72.0	0	0	0.000	-13,048	-72.0	0	0.0	
2- 2W-P-S-CN	-24	-71.7	-10	-72.0	0	0	0.000	-870	-72.0	0	0.0	
Zone - 075 Zn Tot/Ave	-24	-71.7	-10	-72.0	0	0	0.000	-870	-72.0	0	0.0	
Zone - 075 Zn Block	-24	-71.7	-10	-72.0	0	0	0.000	-870	-72.0	0	0.0	
2- 2E-P-SE-CN	-75	-71.7	-112	-72.0	0	0	0.000	-2,113	-72.0	0	0.0	
Zone - 076 Zn Tot/Ave	-75	-71.7	-112	-72.0	0	0	0.000	-2,113	-72.0	0	0.0	
Zone - 076 Zn Block	-75	-71.7	-112	-72.0	0	0	0.000	-2,113	-72.0	0	0.0	
2- 2E-P-SE-PO	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0	
Zone - 077 Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0	
Zone - 077 Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0	
2- 2W-P-S-CR	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0	
Zone - 078 Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0	
Zone - 078 Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0	
2- 2E-P-SE-CR	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0	
Zone - 079 Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0	
Zone - 079 Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0	
2- 2E-P-NE-PO	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0	
Zone - 080 Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0	
Zone - 080 Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0	
2- 2E-P-SE-OO	-1,118	-71.7	-1,682	-72.0	0	0	0.000	-31,673	-72.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
Zone - 081	Zn Tot/Ave	-1,118	-71.7	-1,682	-72.0	0	0	0.000	-31,673	-72.0	0	0.0
Zone - 081	Zn Block	-1,118	-71.7	-1,682	-72.0	0	0	0.000	-31,673	-72.0	0	0.0
2- 2E-P-NE-OO		-492	-71.7	-373	-72.0	0	0	0.000	-16,370	-72.0	0	0.0
Zone - 082	Zn Tot/Ave	-492	-71.7	-373	-72.0	0	0	0.000	-16,370	-72.0	0	0.0
Zone - 082	Zn Block	-492	-71.7	-373	-72.0	0	0	0.000	-16,370	-72.0	0	0.0
2- 2E-P-NE-CR		-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 083	Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 083	Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
2- 2E-P-NW-PO		-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 084	Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 084	Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
2- 2E-P-NW-CR		-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 085	Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 085	Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
2- 2E-P-NE-CN		-33	-71.7	-25	-72.0	0	0	0.000	-1,092	-72.0	0	0.0
Zone - 086	Zn Tot/Ave	-33	-71.7	-25	-72.0	0	0	0.000	-1,092	-72.0	0	0.0
Zone - 086	Zn Block	-33	-71.7	-25	-72.0	0	0	0.000	-1,092	-72.0	0	0.0
2- 2E-P-NW-CN		-93	-71.7	-172	-72.0	0	0	0.000	-2,430	-72.0	0	0.0
Zone - 087	Zn Tot/Ave	-93	-71.7	-172	-72.0	0	0	0.000	-2,430	-72.0	0	0.0
Zone - 087	Zn Block	-93	-71.7	-172	-72.0	0	0	0.000	-2,430	-72.0	0	0.0
2- 2E-P-NW-OO		-1,398	-71.7	-2,576	-72.0	0	0	0.000	-36,445	-72.0	0	0.0
Zone - 088	Zn Tot/Ave	-1,398	-71.7	-2,576	-72.0	0	0	0.000	-36,445	-72.0	0	0.0
Zone - 088	Zn Block	-1,398	-71.7	-2,576	-72.0	0	0	0.000	-36,445	-72.0	0	0.0
2- 2W-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-M		-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 093	Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 093	Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
2- 2E-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 094	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
Zone - 094	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 097	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 097	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
1W-P-N-S		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 098	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 098	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
1W-P-N-OO		-105	-71.7	-322	-72.0	0	0	0.000	-1,890	-72.0	0	0.0
Zone - 099	Zn Tot/Ave	-105	-71.7	-322	-72.0	0	0	0.000	-1,890	-72.0	0	0.0
Zone - 099	Zn Block	-105	-71.7	-322	-72.0	0	0	0.000	-1,890	-72.0	0	0.0
1W-P-N-M		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 100	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 100	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
1W-P-N-L		-88	-71.7	-268	-72.0	0	0	0.000	-1,575	-72.0	0	0.0
Zone - 101	Zn Tot/Ave	-88	-71.7	-268	-72.0	0	0	0.000	-1,575	-72.0	0	0.0
Zone - 101	Zn Block	-88	-71.7	-268	-72.0	0	0	0.000	-1,575	-72.0	0	0.0
1W-P-N-R		-53	-71.7	-161	-72.0	0	0	0.000	-945	-72.0	0	0.0
Zone - 102	Zn Tot/Ave	-53	-71.7	-161	-72.0	0	0	0.000	-945	-72.0	0	0.0
Zone - 102	Zn Block	-53	-71.7	-161	-72.0	0	0	0.000	-945	-72.0	0	0.0
1W-P-NW-CN		-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 103	Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 103	Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
1W-P-NW-S		-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 104	Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
Zone - 104	Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0
1W-P-NW-OO		-155	-71.7	-349	-72.0	0	0	0.000	-3,624	-72.0	0	0.0
Zone - 105	Zn Tot/Ave	-155	-71.7	-349	-72.0	0	0	0.000	-3,624	-72.0	0	0.0
Zone - 105	Zn Block	-155	-71.7	-349	-72.0	0	0	0.000	-3,624	-72.0	0	0.0
2- 2E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CN		-49	-71.7	-81	-72.0	0	0	0.000	-1,355	-72.0	0	0.0
Zone - 107	Zn Tot/Ave	-49	-71.7	-81	-72.0	0	0	0.000	-1,355	-72.0	0	0.0
Zone - 107	Zn Block	-49	-71.7	-81	-72.0	0	0	0.000	-1,355	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
2- 2W-P-NW-OO	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0	
Zone - 108												
Zn Tot/Ave	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0	
Zn Block	-388	-71.7	-872	-72.0	0	0	0.000	-9,059	-72.0	0	0.0	
2- 2W-P-SW-PO	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
Zone - 109												
Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
2- 2W-P-NW-CR	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zone - 110												
Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
2- 2W-P-NW-PO	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zone - 111												
Zn Tot/Ave	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
Zn Block	-52	-71.7	-116	-72.0	0	0	0.000	-1,209	-72.0	0	0.0	
2- 2W-P-NW-CN	-26	-71.7	-58	-72.0	0	0	0.000	-604	-72.0	0	0.0	
Zone - 112												
Zn Tot/Ave	-26	-71.7	-58	-72.0	0	0	0.000	-604	-72.0	0	0.0	
Zn Block	-26	-71.7	-58	-72.0	0	0	0.000	-604	-72.0	0	0.0	
1W-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 113												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 114												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 115												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 116												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-R	-280	-71.7	-515	-72.0	0	0	0.000	-7,289	-72.0	0	0.0	
Zone - 117												
Zn Tot/Ave	-280	-71.7	-515	-72.0	0	0	0.000	-7,289	-72.0	0	0.0	
Zn Block	-280	-71.7	-515	-72.0	0	0	0.000	-7,289	-72.0	0	0.0	
1E-P-NW-L	-466	-71.7	-859	-72.0	0	0	0.000	-12,148	-72.0	0	0.0	
Zone - 118												
Zn Tot/Ave	-466	-71.7	-859	-72.0	0	0	0.000	-12,148	-72.0	0	0.0	
Zn Block	-466	-71.7	-859	-72.0	0	0	0.000	-12,148	-72.0	0	0.0	
1E-P-NW-M	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0	
Zone - 119												
Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0	
Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0	
1E-P-NW-OO	-559	-71.7	-1,030	-72.0	0	0	0.000	-14,578	-72.0	0	0.0	
Zone - 120												
Zn Tot/Ave	-559	-71.7	-1,030	-72.0	0	0	0.000	-14,578	-72.0	0	0.0	
Zn Block	-559	-71.7	-1,030	-72.0	0	0	0.000	-14,578	-72.0	0	0.0	
2- 2W-P-S-PO	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
Zone - 121	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 121	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
2- 2W-P-SW-CR		-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 122	Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 122	Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
2- 2W-P-SW-OO		-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
Zone - 123	Zn Tot/Ave	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
Zone - 123	Zn Block	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
2- 2W-P-N-OO		-263	-71.7	-805	-72.0	0	0	0.000	-4,726	-72.0	0	0.0
Zone - 124	Zn Tot/Ave	-263	-71.7	-805	-72.0	0	0	0.000	-4,726	-72.0	0	0.0
Zone - 124	Zn Block	-263	-71.7	-805	-72.0	0	0	0.000	-4,726	-72.0	0	0.0
2- 2W-P-N-CN		-18	-71.7	-54	-72.0	0	0	0.000	-315	-72.0	0	0.0
Zone - 125	Zn Tot/Ave	-18	-71.7	-54	-72.0	0	0	0.000	-315	-72.0	0	0.0
Zone - 125	Zn Block	-18	-71.7	-54	-72.0	0	0	0.000	-315	-72.0	0	0.0
2- 2W-P-N-CR		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 126	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 126	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
2- 2W-P-N-PO		-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 127	Zn Tot/Ave	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
Zone - 127	Zn Block	-35	-71.7	-107	-72.0	0	0	0.000	-630	-72.0	0	0.0
3- 3E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 128	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 128	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 129	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 129	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 132	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 132	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 133	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 133	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 134	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 134	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-OO		-1,398	-71.7	-2,576	-72.0	0	0	0.000	-36,445	-72.0	0	0.0
Zone - 136	Zn Tot/Ave	-1,398	-71.7	-2,576	-72.0	0	0	0.000	-36,445	-72.0	0	0.0
Zone - 136	Zn Block	-1,398	-71.7	-2,576	-72.0	0	0	0.000	-36,445	-72.0	0	0.0
3- 3E-P-NW-CN		-93	-71.7	-172	-72.0	0	0	0.000	-2,430	-72.0	0	0.0
Zone - 137	Zn Tot/Ave	-93	-71.7	-172	-72.0	0	0	0.000	-2,430	-72.0	0	0.0
Zone - 137	Zn Block	-93	-71.7	-172	-72.0	0	0	0.000	-2,430	-72.0	0	0.0
3- 3E-P-NW-CR		-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 138	Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 138	Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
3- 3E-P-NW-PO		-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 139	Zn Tot/Ave	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
Zone - 139	Zn Block	-186	-71.7	-343	-72.0	0	0	0.000	-4,859	-72.0	0	0.0
3- 3E-P-NE-CR		-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 140	Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 140	Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
3- 3E-P-NE-OO		-492	-71.7	-373	-72.0	0	0	0.000	-16,370	-72.0	0	0.0
Zone - 141	Zn Tot/Ave	-492	-71.7	-373	-72.0	0	0	0.000	-16,370	-72.0	0	0.0
Zone - 141	Zn Block	-492	-71.7	-373	-72.0	0	0	0.000	-16,370	-72.0	0	0.0
3- 3E-P-NE-CN		-33	-71.7	-25	-72.0	0	0	0.000	-1,092	-72.0	0	0.0
Zone - 142	Zn Tot/Ave	-33	-71.7	-25	-72.0	0	0	0.000	-1,092	-72.0	0	0.0
Zone - 142	Zn Block	-33	-71.7	-25	-72.0	0	0	0.000	-1,092	-72.0	0	0.0
3- 3E-P-SE-OO		-1,118	-71.7	-1,682	-72.0	0	0	0.000	-31,673	-72.0	0	0.0
Zone - 143	Zn Tot/Ave	-1,118	-71.7	-1,682	-72.0	0	0	0.000	-31,673	-72.0	0	0.0
Zone - 143	Zn Block	-1,118	-71.7	-1,682	-72.0	0	0	0.000	-31,673	-72.0	0	0.0
3- 3E-P-NE-PO		-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 144	Zn Tot/Ave	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
Zone - 144	Zn Block	-66	-71.7	-50	-72.0	0	0	0.000	-2,184	-72.0	0	0.0
3- 3E-P-SE-CR		-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 145	Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 145	Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
3- 3E-P-SE-PO		-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 146	Zn Tot/Ave	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
Zone - 146	Zn Block	-149	-71.7	-224	-72.0	0	0	0.000	-4,223	-72.0	0	0.0
3- 3E-P-SE-CN		-75	-71.7	-112	-72.0	0	0	0.000	-2,113	-72.0	0	0.0
Zone - 147	Zn Tot/Ave	-75	-71.7	-112	-72.0	0	0	0.000	-2,113	-72.0	0	0.0
Zone - 147	Zn Block	-75	-71.7	-112	-72.0	0	0	0.000	-2,113	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F	
3- 3W-P-S-CR	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0	
Zone - 148	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 148	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
3- 3W-P-S-OO	-367	-71.7	-154	-72.0	0	0	0.000	-13,048	-72.0	0	0.0	
Zone - 149	Zn Tot/Ave	-367	-71.7	-154	-72.0	0	0	0.000	-13,048	-72.0	0	0.0
Zone - 149	Zn Block	-367	-71.7	-154	-72.0	0	0	0.000	-13,048	-72.0	0	0.0
3- 3W-P-S-CN	-24	-71.7	-10	-72.0	0	0	0.000	-870	-72.0	0	0.0	
Zone - 150	Zn Tot/Ave	-24	-71.7	-10	-72.0	0	0	0.000	-870	-72.0	0	0.0
Zone - 150	Zn Block	-24	-71.7	-10	-72.0	0	0	0.000	-870	-72.0	0	0.0
3- 3W-P-S-PO	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0	
Zone - 151	Zn Tot/Ave	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
Zone - 151	Zn Block	-49	-71.7	-21	-72.0	0	0	0.000	-1,740	-72.0	0	0.0
3- 3W-P-SW-CR	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0	
Zone - 152	Zn Tot/Ave	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
Zone - 152	Zn Block	-99	-71.7	-162	-72.0	0	0	0.000	-2,710	-72.0	0	0.0
3- 3W-P-SW-OO	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0	
Zone - 153	Zn Tot/Ave	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
Zone - 153	Zn Block	-741	-71.7	-1,215	-72.0	0	0	0.000	-20,329	-72.0	0	0.0
AHUs vav w/ rh	Sys Tot/Ave	-21,154	-71.7	-33,963	-72.0	0	0	0.000	-584,781	-72.0	0	0.0
AHUs vav w/ rh	Sys Block	-21,154	-71.7	-33,963	-72.0	0	0	0.000	-584,781	-72.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F	
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	°F	°F	°F	
4- 4W-P-NW-OO	-1,580	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 001 Zn Tot/Ave	-1,580	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 001 Zn Block	-1,580	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-NW-MS	-211	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 002 Zn Tot/Ave	-211	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 002 Zn Block	-211	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-OO	-3,581	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 003 Zn Tot/Ave	-3,581	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 003 Zn Block	-3,581	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-L	-716	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 004 Zn Tot/Ave	-716	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 004 Zn Block	-716	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-MS	-477	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 005 Zn Tot/Ave	-477	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 005 Zn Block	-477	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-OO	-1,703	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 006 Zn Tot/Ave	-1,703	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 006 Zn Block	-1,703	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-L	-341	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 007 Zn Tot/Ave	-341	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 007 Zn Block	-341	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 008 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 008 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 009 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 009 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 010 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 010 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 011 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 011 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 012 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 012 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 014 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 014 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
1W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 015											
Zone - 015	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016											
Zone - 016	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017											
Zone - 017	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018											
Zone - 018	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019											
Zone - 019	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020											
Zone - 020	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021											
Zone - 021	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022											
Zone - 022	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023											
Zone - 023	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024											
Zone - 024	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025											
Zone - 025	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026											
Zone - 026	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027											
Zone - 027	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum		Space		Plenum	Space		Plenum	Space			
	Sensible	Plenum	Sensible	Space	Conduction	Conduction	Solar CLF	Conduction	Conduction	Conduction	Conduction	
	Load	CLTD	Load	CLTD	Load	Load		Load	Load	Load	Load	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
1E-P-NE-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 028	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 028	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 029	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 029	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 030	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 030	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 031	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 031	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 032	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 032	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NE-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 033	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 033	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 034	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 034	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-N-MS	-221	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 035	-221	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 035	-221	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-NW-L	-316	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 036	-316	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 036	-316	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-N-L	-331	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 037	-331	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 037	-331	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
1W-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 038	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 038	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 039	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 039	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
IE-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 040	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 040	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum		Space		Plenum		Plenum		Space		Space	
	Sensible	Plenum	Sensible	Space	Solar	Solar	Conduction	Plenum	Conduction	Conduction	Space	
	Load	CLTD	Load	CLTD	Btu/h	Btu/h	Load	°F	Load	°F	Load	°F
	Btu/h	°F	Btu/h	°F			Solar CLF	Btu/h	°F	Btu/h	°F	
1E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 041	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 041	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 042	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 042	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 043	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 043	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 044	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 044	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-MS	-227	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 045	-227	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 045	-227	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 046	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 046	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 047	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 047	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 048	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 048	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 049	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 049	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 050	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 050	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 051	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 051	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 052	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 052	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 053	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 053	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F	
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h		
4- 4E-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 054	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 054	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 055	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 055	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 056	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 056	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-I-L	-1,975	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 057	-1,975	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 057	-1,975	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-I-MS	-1,317	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 058	-1,317	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 058	-1,317	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-I-OO	-9,874	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 059	-9,874	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 059	-9,874	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 060	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 060	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-NW-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 061	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 061	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-W-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 062	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 062	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-NE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 063	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 063	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-NE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 064	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 064	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-NE-00	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 065	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 065	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 066	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 066	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum		Space		Plenum	Space		Plenum	Space		
	Sensible	Plenum	Sensible	Space	Conduction	Conduction	Solar CLF	Conduction	Conduction	Space	
	Load	CLTD	Load	CLTD	Load	CLTD		Load	CLTD	Load	CLTD
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
3- 3W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 067	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 067	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 068	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 068	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 069	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 069	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 070	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 070	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 071	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 071	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 072	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 072	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 073	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 073	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 074	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 074	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 075	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 075	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 076	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 076	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 077	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 077	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 078	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 078	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 079	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 079	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F	
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h		
2- 2E-P-NE-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 080			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 080			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 081			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 081			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 082			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 082			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NE-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 083			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 083			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 084			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 084			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 085			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 085			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NE-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 086			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 086			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 087			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 087			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 088			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 088			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 089			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 089			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 090			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 090			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 091			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 091			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	
2- 2E-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 092			Zn Tot/Ave	0	0.0	0	0.000	0	0.0	0	0.0	
Zone - 092			Zn Block	0	0.0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum		Space		Plenum		Plenum		Space		Space	
	Sensible	Plenum	Sensible	Space	Solar	Solar	Conduction	Plenum	Conduction	Conduction	Space	
	Load	CLTD	Load	CLTD	Btu/h	Btu/h	Load	°F	Load	°F	Load	°F
	Btu/h	°F	Btu/h	°F			Solar CLF	Btu/h	°F	Btu/h	°F	
1W-P-NW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 093	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 093	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2E-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 094	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 094	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 095	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 095	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 096	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 096	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 097	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 097	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-N-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 098	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 098	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 099	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 099	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-N-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 100	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 100	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-N-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 101	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 101	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-N-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 102	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 102	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 103	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 103	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 104	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 104	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 105	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 105	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum		Space			Plenum			Plenum	Space		
	Sensible	Plenum	Sensible	Space	Solar	Solar	Solar CLF	Conduction	Plenum	Conduction	Space	
	Load	CLTD	Load	CLTD	Btu/h	Btu/h		Load	CLTD	Load	CLTD	
	Btu/h	°F	Btu/h	°F				Btu/h	°F	Btu/h	°F	
2- 2E-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 106	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 106	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 107	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 107	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 108	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 108	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-SW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 109	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 109	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-NW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 110	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 110	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-NW-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 111	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 111	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-NW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 112	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 112	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 113	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 113	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 114	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 114	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 115	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 115	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 116	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 116	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 117	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 117	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 118	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 118	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT						
	Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space	
	Sensible	CLTD	Sensible	CLTD	Conduction	Solar	Solar	Load	CLTD	Conduction	CLTD
	Load	°F	Load	°F	Load	Btu/h	Btu/h	Btu/h	°F	Load	°F
	Btu/h				Solar		Solar CLF				
1E-P-NW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 119	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 119	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 120	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 120	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 121	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 121	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 122	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 122	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 123	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 123	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 124	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 124	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 125	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 125	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 126	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 126	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 127	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 127	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-OO	-16,439	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 128	-16,439	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 128	-16,439	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CR	-3,288	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 129	-3,288	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 129	-3,288	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CN	-6,576	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	-6,576	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	-6,576	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-SM	-6,576	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	-6,576	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	-6,576	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF				SKYLIGHT							
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F	
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h		
3- 3W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 132	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 132	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 133	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 133	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 134	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 134	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 135	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 135	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-OO	-7,608	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 136	-7,608	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 136	-7,608	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-CN	-507	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 137	-507	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 137	-507	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-CR	-1,014	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 138	-1,014	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 138	-1,014	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NW-PO	-1,014	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 139	-1,014	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 139	-1,014	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-CR	-294	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 140	-294	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 140	-294	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-OO	-2,206	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 141	-2,206	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 141	-2,206	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-CN	-147	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 142	-147	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 142	-147	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-SE-OO	-5,831	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 143	-5,831	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 143	-5,831	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-P-NE-PO	-294	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 144	-294	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	
Zone - 144	-294	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0	



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT					
	Plenum Sensible Load	Plenum CLTD °F	Space Sensible Load	Space CLTD °F	Plenum Solar	Space Solar	Solar CLF	Plenum Conduction Load	Plenum CLTD °F	Space Conduction Load	Space CLTD °F
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h	
3- 3E-P-SE-CR	-777	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 145			Zn Tot/Ave								
Zone - 145	-777	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 145			Zn Block								
3- 3E-P-SE-PO	-777	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 146			Zn Tot/Ave								
Zone - 146	-777	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 146			Zn Block								
3- 3E-P-SE-CN	-389	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 147			Zn Tot/Ave								
Zone - 147	-389	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
Zone - 147			Zn Block								
3- 3W-P-S-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 148			Zn Tot/Ave								
Zone - 148	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 148			Zn Block								
3- 3W-P-S-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 149			Zn Tot/Ave								
Zone - 149	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 149			Zn Block								
3- 3W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 150			Zn Tot/Ave								
Zone - 150	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 150			Zn Block								
3- 3W-P-S-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 151			Zn Tot/Ave								
Zone - 151	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 151			Zn Block								
3- 3W-P-SW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 152			Zn Tot/Ave								
Zone - 152	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 152			Zn Block								
3- 3W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 153			Zn Tot/Ave								
Zone - 153	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 153			Zn Block								
AHUs vav w/ rh			Sys Tot/Ave								
AHUs vav w/ rh	-76,607	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0
AHUs vav w/ rh			Sys Block								
AHUs vav w/ rh	-76,607	-71.7	0	-72.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
4- 4W-P-NW-OO	0	0.0	0	0.0	71	-5,688	70.7	-58	-17,644
Zone - 001									
Zn Tot/Ave	0	0.0	0	0.0	71	-5,688	70.7	-58	-17,644
Zn Block	0	0.0	0	0.0	71	-5,688	70.7	-58	-17,644
4- 4W-P-NW-MS	0	0.0	0	0.0	9	-758	70.7	-8	-2,353
Zone - 002									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,353
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,353
4- 4W-P-SW-OO	0	0.0	0	0.0	161	-12,889	70.7	-131	-38,886
Zone - 003									
Zn Tot/Ave	0	0.0	0	0.0	161	-12,889	70.7	-131	-38,886
Zn Block	0	0.0	0	0.0	161	-12,889	70.7	-131	-38,886
4- 4W-P-SW-L	0	0.0	0	0.0	32	-2,578	70.7	-26	-7,777
Zone - 004									
Zn Tot/Ave	0	0.0	0	0.0	32	-2,578	70.7	-26	-7,777
Zn Block	0	0.0	0	0.0	32	-2,578	70.7	-26	-7,777
4- 4W-P-SW-MS	0	0.0	0	0.0	21	-1,718	70.7	-18	-5,184
Zone - 005									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-5,184
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-5,184
4- 4W-P-S-OO	0	0.0	0	0.0	77	-6,130	70.7	-62	-21,466
Zone - 006									
Zn Tot/Ave	0	0.0	0	0.0	77	-6,130	70.7	-62	-21,466
Zn Block	0	0.0	0	0.0	77	-6,130	70.7	-62	-21,466
4- 4W-P-S-L	0	0.0	0	0.0	15	-1,226	70.7	-12	-4,294
Zone - 007									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,226	70.7	-12	-4,294
Zn Block	0	0.0	0	0.0	15	-1,226	70.7	-12	-4,294
1W-P-SW-M	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 008									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
1W-P-SW-OO	0	0.0	0	0.0	64	-5,155	70.7	-53	-14,121
Zone - 009									
Zn Tot/Ave	0	0.0	0	0.0	64	-5,155	70.7	-53	-14,121
Zn Block	0	0.0	0	0.0	64	-5,155	70.7	-53	-14,121
1W-P-SW-S	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 010									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
1W-P-SW-L	0	0.0	0	0.0	54	-4,296	70.7	-44	-11,768
Zone - 011									
Zn Tot/Ave	0	0.0	0	0.0	54	-4,296	70.7	-44	-11,768
Zn Block	0	0.0	0	0.0	54	-4,296	70.7	-44	-11,768
1E-I-M	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zone - 012									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zn Block	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
1W-P-SW-R	0	0.0	0	0.0	32	-2,578	70.7	-26	-7,061
Zone - 014									
Zn Tot/Ave	0	0.0	0	0.0	32	-2,578	70.7	-26	-7,061
Zn Block	0	0.0	0	0.0	32	-2,578	70.7	-26	-7,061

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1W-P-S-CN	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 015									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
1W-P-S-S	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 016									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
1W-P-S-M	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 017									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
1W-P-S-OO	0	0.0	0	0.0	31	-2,452	70.7	-25	-7,905
Zone - 018									
Zn Tot/Ave	0	0.0	0	0.0	31	-2,452	70.7	-25	-7,905
Zn Block	0	0.0	0	0.0	31	-2,452	70.7	-25	-7,905
1W-P-S-L	0	0.0	0	0.0	26	-2,043	70.7	-21	-6,589
Zone - 019									
Zn Tot/Ave	0	0.0	0	0.0	26	-2,043	70.7	-21	-6,589
Zn Block	0	0.0	0	0.0	26	-2,043	70.7	-21	-6,589
1W-P-S-R	0	0.0	0	0.0	15	-1,226	70.7	-12	-3,954
Zone - 020									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,226	70.7	-12	-3,954
Zn Block	0	0.0	0	0.0	15	-1,226	70.7	-12	-3,954
1E-P-SE-CN	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zone - 021									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
1E-P-SE-S	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zone - 022									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
1E-P-SE-M	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zone - 023									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
1E-P-SE-OO	0	0.0	0	0.0	105	-8,395	70.7	-85	-22,270
Zone - 024									
Zn Tot/Ave	0	0.0	0	0.0	105	-8,395	70.7	-85	-22,270
Zn Block	0	0.0	0	0.0	105	-8,395	70.7	-85	-22,270
1E-P-SE-R	0	0.0	0	0.0	52	-4,198	70.7	-43	-11,136
Zone - 025									
Zn Tot/Ave	0	0.0	0	0.0	52	-4,198	70.7	-43	-11,136
Zn Block	0	0.0	0	0.0	52	-4,198	70.7	-43	-11,136
1E-P-SE-L	0	0.0	0	0.0	87	-6,996	70.7	-71	-18,559
Zone - 026									
Zn Tot/Ave	0	0.0	0	0.0	87	-6,996	70.7	-71	-18,559
Zn Block	0	0.0	0	0.0	87	-6,996	70.7	-71	-18,559
1E-P-NE-CN	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zone - 027									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1E-P-NE-S	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zone - 028									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
1E-P-NE-OO	0	0.0	0	0.0	40	-3,176	70.7	-32	-10,104
Zone - 029									
Zn Tot/Ave	0	0.0	0	0.0	40	-3,176	70.7	-32	-10,104
Zn Block	0	0.0	0	0.0	40	-3,176	70.7	-32	-10,104
1E-P-NE-L	0	0.0	0	0.0	33	-2,647	70.7	-27	-8,420
Zone - 030									
Zn Tot/Ave	0	0.0	0	0.0	33	-2,647	70.7	-27	-8,420
Zn Block	0	0.0	0	0.0	33	-2,647	70.7	-27	-8,420
1E-P-NE-M	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zone - 031									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
1E-P-NW-CN	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
Zone - 032									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
Zn Block	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
1E-P-NE-R	0	0.0	0	0.0	20	-1,588	70.7	-16	-5,051
Zone - 033									
Zn Tot/Ave	0	0.0	0	0.0	20	-1,588	70.7	-16	-5,051
Zn Block	0	0.0	0	0.0	20	-1,588	70.7	-16	-5,051
1E-P-NW-S	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
Zone - 034									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
Zn Block	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
4- 4W-P-N-MS	0	0.0	0	0.0	10	-795	70.7	-8	-1,797
Zone - 035									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,797
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,797
4- 4W-P-NW-L	0	0.0	0	0.0	14	-1,138	70.7	-12	-3,529
Zone - 036									
Zn Tot/Ave	0	0.0	0	0.0	14	-1,138	70.7	-12	-3,529
Zn Block	0	0.0	0	0.0	14	-1,138	70.7	-12	-3,529
4- 4W-P-N-L	0	0.0	0	0.0	15	-1,193	70.7	-12	-2,695
Zone - 037									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,193	70.7	-12	-2,695
Zn Block	0	0.0	0	0.0	15	-1,193	70.7	-12	-2,695
1W-I-R	0	0.0	0	0.0	89	-7,108	70.7	-72	-7,181
Zone - 038									
Zn Tot/Ave	0	0.0	0	0.0	89	-7,108	70.7	-72	-7,181
Zn Block	0	0.0	0	0.0	89	-7,108	70.7	-72	-7,181
1W-I-L	0	0.0	0	0.0	148	-11,847	70.7	-121	-11,968
Zone - 039									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,847	70.7	-121	-11,968
Zn Block	0	0.0	0	0.0	148	-11,847	70.7	-121	-11,968
IE-I-CN	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zone - 040									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zn Block	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1E-I-OO	0	0.0	0	0.0	443	-35,505	70.7	-362	-35,866
Zone - 041									
Zn Tot/Ave	0	0.0	0	0.0	443	-35,505	70.7	-362	-35,866
Zn Block	0	0.0	0	0.0	443	-35,505	70.7	-362	-35,866
1E-I-S	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zone - 042									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zn Block	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
1E-I-R	0	0.0	0	0.0	222	-17,752	70.7	-181	-17,933
Zone - 043									
Zn Tot/Ave	0	0.0	0	0.0	222	-17,752	70.7	-181	-17,933
Zn Block	0	0.0	0	0.0	222	-17,752	70.7	-181	-17,933
1E-I-L	0	0.0	0	0.0	369	-29,587	70.7	-301	-29,888
Zone - 044									
Zn Tot/Ave	0	0.0	0	0.0	369	-29,587	70.7	-301	-29,888
Zn Block	0	0.0	0	0.0	369	-29,587	70.7	-301	-29,888
4- 4W-P-S-MS	0	0.0	0	0.0	10	-817	70.7	-8	-2,862
Zone - 045									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,862
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,862
4- 4E-P-SE-OO	0	0.0	0	0.0	262	-20,988	70.7	-214	-21,202
Zone - 046									
Zn Tot/Ave	0	0.0	0	0.0	262	-20,988	70.7	-214	-21,202
Zn Block	0	0.0	0	0.0	262	-20,988	70.7	-214	-21,202
1W-P-SW-CN	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 047									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
1W-P-NW-R	0	0.0	0	0.0	14	-1,138	70.7	-12	-3,213
Zone - 048									
Zn Tot/Ave	0	0.0	0	0.0	14	-1,138	70.7	-12	-3,213
Zn Block	0	0.0	0	0.0	14	-1,138	70.7	-12	-3,213
1W-P-NW-L	0	0.0	0	0.0	24	-1,896	70.7	-19	-5,354
Zone - 049									
Zn Tot/Ave	0	0.0	0	0.0	24	-1,896	70.7	-19	-5,354
Zn Block	0	0.0	0	0.0	24	-1,896	70.7	-19	-5,354
4- 4E-P-SE-L	0	0.0	0	0.0	52	-4,198	70.7	-43	-4,240
Zone - 050									
Zn Tot/Ave	0	0.0	0	0.0	52	-4,198	70.7	-43	-4,240
Zn Block	0	0.0	0	0.0	52	-4,198	70.7	-43	-4,240
4- 4E-P-SE-MS	0	0.0	0	0.0	35	-2,798	70.7	-28	-2,827
Zone - 051									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-2,827
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-2,827
3- 3W-P-N-CR	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 052									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
3- 3W-P-N-PO	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 053									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
4- 4E-I-MS	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zone - 054									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zn Block	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
4- 4E-I-L	0	0.0	0	0.0	222	-17,752	70.7	-181	-17,933
Zone - 055									
Zn Tot/Ave	0	0.0	0	0.0	222	-17,752	70.7	-181	-17,933
Zn Block	0	0.0	0	0.0	222	-17,752	70.7	-181	-17,933
4- 4E-I-OO	0	0.0	0	0.0	1,108	-88,761	70.7	-904	-89,665
Zone - 056									
Zn Tot/Ave	0	0.0	0	0.0	1,108	-88,761	70.7	-904	-89,665
Zn Block	0	0.0	0	0.0	1,108	-88,761	70.7	-904	-89,665
4- 4W-I-L	0	0.0	0	0.0	89	-7,108	70.7	-72	-9,156
Zone - 057									
Zn Tot/Ave	0	0.0	0	0.0	89	-7,108	70.7	-72	-9,156
Zn Block	0	0.0	0	0.0	89	-7,108	70.7	-72	-9,156
4- 4W-I-MS	0	0.0	0	0.0	59	-4,739	70.7	-48	-6,104
Zone - 058									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.7	-48	-6,104
Zn Block	0	0.0	0	0.0	59	-4,739	70.7	-48	-6,104
4- 4W-I-OO	0	0.0	0	0.0	444	-35,542	70.7	-362	-45,778
Zone - 059									
Zn Tot/Ave	0	0.0	0	0.0	444	-35,542	70.7	-362	-45,778
Zn Block	0	0.0	0	0.0	444	-35,542	70.7	-362	-45,778
4- 4E-P-NW-L	0	0.0	0	0.0	68	-5,477	70.7	-56	-5,533
Zone - 060									
Zn Tot/Ave	0	0.0	0	0.0	68	-5,477	70.7	-56	-5,533
Zn Block	0	0.0	0	0.0	68	-5,477	70.7	-56	-5,533
4- 4E-P-NW-MS	0	0.0	0	0.0	46	-3,652	70.7	-37	-3,689
Zone - 061									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.7	-37	-3,689
Zn Block	0	0.0	0	0.0	46	-3,652	70.7	-37	-3,689
4- 4E-P-W-OO	0	0.0	0	0.0	342	-27,387	70.7	-279	-27,666
Zone - 062									
Zn Tot/Ave	0	0.0	0	0.0	342	-27,387	70.7	-279	-27,666
Zn Block	0	0.0	0	0.0	342	-27,387	70.7	-279	-27,666
4- 4E-P-NE-MS	0	0.0	0	0.0	13	-1,059	70.7	-11	-1,070
Zone - 063									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-1,070
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-1,070
4- 4E-P-NE-L	0	0.0	0	0.0	20	-1,588	70.7	-16	-1,604
Zone - 064									
Zn Tot/Ave	0	0.0	0	0.0	20	-1,588	70.7	-16	-1,604
Zn Block	0	0.0	0	0.0	20	-1,588	70.7	-16	-1,604
4- 4E-P-NE-00	0	0.0	0	0.0	99	-7,940	70.7	-81	-8,021
Zone - 065									
Zn Tot/Ave	0	0.0	0	0.0	99	-7,940	70.7	-81	-8,021
Zn Block	0	0.0	0	0.0	99	-7,940	70.7	-81	-8,021
3- 3W-P-N-CN	0	0.0	0	0.0	5	-398	70.7	-4	-788
Zone - 066									
Zn Tot/Ave	0	0.0	0	0.0	5	-398	70.7	-4	-788
Zn Block	0	0.0	0	0.0	5	-398	70.7	-4	-788

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
3- 3W-P-N-OO	0	0.0	0	0.0	74	-5,964	70.7	-61	-11,818
Zone - 067									
Zn Tot/Ave	0	0.0	0	0.0	74	-5,964	70.7	-61	-11,818
Zn Block	0	0.0	0	0.0	74	-5,964	70.7	-61	-11,818
3- 3W-P-NW-CN	0	0.0	0	0.0	5	-379	70.7	-4	-1,070
Zone - 068									
Zn Tot/Ave	0	0.0	0	0.0	5	-379	70.7	-4	-1,070
Zn Block	0	0.0	0	0.0	5	-379	70.7	-4	-1,070
3- 3W-P-NW-CR	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 069									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
3- 3W-P-SW-PO	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 070									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
3- 3W-P-NW-PO	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 071									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
3- 3W-P-NW-OO	0	0.0	0	0.0	71	-5,688	70.7	-58	-16,064
Zone - 072									
Zn Tot/Ave	0	0.0	0	0.0	71	-5,688	70.7	-58	-16,064
Zn Block	0	0.0	0	0.0	71	-5,688	70.7	-58	-16,064
3- 3W-P-SW-CN	0	0.0	0	0.0	11	-859	70.7	-9	-2,354
Zone - 073									
Zn Tot/Ave	0	0.0	0	0.0	11	-859	70.7	-9	-2,354
Zn Block	0	0.0	0	0.0	11	-859	70.7	-9	-2,354
2- 2W-P-S-OO	0	0.0	0	0.0	77	-6,130	70.7	-62	-19,762
Zone - 074									
Zn Tot/Ave	0	0.0	0	0.0	77	-6,130	70.7	-62	-19,762
Zn Block	0	0.0	0	0.0	77	-6,130	70.7	-62	-19,762
2- 2W-P-S-CN	0	0.0	0	0.0	5	-409	70.7	-4	-1,317
Zone - 075									
Zn Tot/Ave	0	0.0	0	0.0	5	-409	70.7	-4	-1,317
Zn Block	0	0.0	0	0.0	5	-409	70.7	-4	-1,317
2- 2E-P-SE-CN	0	0.0	0	0.0	17	-1,399	70.7	-14	-3,713
Zone - 076									
Zn Tot/Ave	0	0.0	0	0.0	17	-1,399	70.7	-14	-3,713
Zn Block	0	0.0	0	0.0	17	-1,399	70.7	-14	-3,713
2- 2E-P-SE-PO	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zone - 077									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
2- 2W-P-S-CR	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 078									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
2- 2E-P-SE-CR	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zone - 079									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-7,423

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
2- 2E-P-NE-PO	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zone - 080									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
2- 2E-P-SE-OO	0	0.0	0	0.0	262	-20,988	70.7	-214	-55,675
Zone - 081									
Zn Tot/Ave	0	0.0	0	0.0	262	-20,988	70.7	-214	-55,675
Zn Block	0	0.0	0	0.0	262	-20,988	70.7	-214	-55,675
2- 2E-P-NE-OO	0	0.0	0	0.0	99	-7,940	70.7	-81	-25,257
Zone - 082									
Zn Tot/Ave	0	0.0	0	0.0	99	-7,940	70.7	-81	-25,257
Zn Block	0	0.0	0	0.0	99	-7,940	70.7	-81	-25,257
2- 2E-P-NE-CR	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zone - 083									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,369
2- 2E-P-NW-PO	0	0.0	0	0.0	46	-3,652	70.7	-37	-9,078
Zone - 084									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.7	-37	-9,078
Zn Block	0	0.0	0	0.0	46	-3,652	70.7	-37	-9,078
2- 2E-P-NW-CR	0	0.0	0	0.0	46	-3,652	70.7	-37	-9,078
Zone - 085									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.7	-37	-9,078
Zn Block	0	0.0	0	0.0	46	-3,652	70.7	-37	-9,078
2- 2E-P-NE-CN	0	0.0	0	0.0	7	-529	70.7	-5	-1,684
Zone - 086									
Zn Tot/Ave	0	0.0	0	0.0	7	-529	70.7	-5	-1,684
Zn Block	0	0.0	0	0.0	7	-529	70.7	-5	-1,684
2- 2E-P-NW-CN	0	0.0	0	0.0	23	-1,826	70.7	-19	-4,539
Zone - 087									
Zn Tot/Ave	0	0.0	0	0.0	23	-1,826	70.7	-19	-4,539
Zn Block	0	0.0	0	0.0	23	-1,826	70.7	-19	-4,539
2- 2E-P-NW-OO	0	0.0	0	0.0	342	-27,387	70.7	-279	-68,085
Zone - 088									
Zn Tot/Ave	0	0.0	0	0.0	342	-27,387	70.7	-279	-68,085
Zn Block	0	0.0	0	0.0	342	-27,387	70.7	-279	-68,085
2- 2W-I-SM	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zone - 089									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zn Block	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
2- 2W-I-CN	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zone - 090									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zn Block	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
2- 2W-I-CR	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zone - 091									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zn Block	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
2- 2E-I-SM	0	0.0	0	0.0	295	-23,670	70.7	-241	-23,911
Zone - 092									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.7	-241	-23,911
Zn Block	0	0.0	0	0.0	295	-23,670	70.7	-241	-23,911



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1W-P-NW-M	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 093									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
2- 2E-I-CR	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zone - 094									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
Zn Block	0	0.0	0	0.0	148	-11,835	70.7	-121	-11,955
2- 2W-I-OO	0	0.0	0	0.0	296	-23,695	70.7	-241	-23,936
Zone - 095									
Zn Tot/Ave	0	0.0	0	0.0	296	-23,695	70.7	-241	-23,936
Zn Block	0	0.0	0	0.0	296	-23,695	70.7	-241	-23,936
2- 2E-I-OO	0	0.0	0	0.0	739	-59,174	70.7	-603	-59,777
Zone - 096									
Zn Tot/Ave	0	0.0	0	0.0	739	-59,174	70.7	-603	-59,777
Zn Block	0	0.0	0	0.0	739	-59,174	70.7	-603	-59,777
1W-P-N-CN	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 097									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
1W-P-N-S	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 098									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
1W-P-N-OO	0	0.0	0	0.0	30	-2,386	70.7	-24	-4,727
Zone - 099									
Zn Tot/Ave	0	0.0	0	0.0	30	-2,386	70.7	-24	-4,727
Zn Block	0	0.0	0	0.0	30	-2,386	70.7	-24	-4,727
1W-P-N-M	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 100									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
1W-P-N-L	0	0.0	0	0.0	248	-19,880	70.7	-202	-22,014
Zone - 101									
Zn Tot/Ave	0	0.0	0	0.0	248	-19,880	70.7	-202	-22,014
Zn Block	0	0.0	0	0.0	248	-19,880	70.7	-202	-22,014
1W-P-N-R	0	0.0	0	0.0	15	-1,193	70.7	-12	-2,364
Zone - 102									
Zn Tot/Ave	0	0.0	0	0.0	15	-1,193	70.7	-12	-2,364
Zn Block	0	0.0	0	0.0	15	-1,193	70.7	-12	-2,364
1W-P-NW-CN	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 103									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
1W-P-NW-S	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 104									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
1W-P-NW-OO	0	0.0	0	0.0	28	-2,275	70.7	-23	-6,426
Zone - 105									
Zn Tot/Ave	0	0.0	0	0.0	28	-2,275	70.7	-23	-6,426
Zn Block	0	0.0	0	0.0	28	-2,275	70.7	-23	-6,426

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
2- 2E-I-CN	0	0.0	0	0.0	295	-23,670	70.7	-241	-23,911
Zone - 106									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.7	-241	-23,911
Zn Block	0	0.0	0	0.0	295	-23,670	70.7	-241	-23,911
2- 2W-P-SW-CN	0	0.0	0	0.0	11	-859	70.7	-9	-2,354
Zone - 107									
Zn Tot/Ave	0	0.0	0	0.0	11	-859	70.7	-9	-2,354
Zn Block	0	0.0	0	0.0	11	-859	70.7	-9	-2,354
2- 2W-P-NW-OO	0	0.0	0	0.0	71	-5,688	70.7	-58	-16,064
Zone - 108									
Zn Tot/Ave	0	0.0	0	0.0	71	-5,688	70.7	-58	-16,064
Zn Block	0	0.0	0	0.0	71	-5,688	70.7	-58	-16,064
2- 2W-P-SW-PO	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 109									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
2- 2W-P-NW-CR	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 110									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
2- 2W-P-NW-PO	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zone - 111									
Zn Tot/Ave	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
Zn Block	0	0.0	0	0.0	9	-758	70.7	-8	-2,143
2- 2W-P-NW-CN	0	0.0	0	0.0	5	-379	70.7	-4	-1,070
Zone - 112									
Zn Tot/Ave	0	0.0	0	0.0	5	-379	70.7	-4	-1,070
Zn Block	0	0.0	0	0.0	5	-379	70.7	-4	-1,070
1W-I-M	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zone - 113									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zn Block	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
1W-I-OO	0	0.0	0	0.0	177	-14,217	70.7	-145	-14,362
Zone - 114									
Zn Tot/Ave	0	0.0	0	0.0	177	-14,217	70.7	-145	-14,362
Zn Block	0	0.0	0	0.0	177	-14,217	70.7	-145	-14,362
1W-I-S	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zone - 115									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zn Block	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
1W-I-CN	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zone - 116									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zn Block	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
1E-P-NW-R	0	0.0	0	0.0	68	-5,477	70.7	-56	-13,617
Zone - 117									
Zn Tot/Ave	0	0.0	0	0.0	68	-5,477	70.7	-56	-13,617
Zn Block	0	0.0	0	0.0	68	-5,477	70.7	-56	-13,617
1E-P-NW-L	0	0.0	0	0.0	114	-9,129	70.7	-93	-22,695
Zone - 118									
Zn Tot/Ave	0	0.0	0	0.0	114	-9,129	70.7	-93	-22,695
Zn Block	0	0.0	0	0.0	114	-9,129	70.7	-93	-22,695

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
1E-P-NW-M	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
Zone - 119									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
Zn Block	0	0.0	0	0.0	46	-3,654	70.7	-37	-9,081
1E-P-NW-OO	0	0.0	0	0.0	137	-10,955	70.7	-112	-27,234
Zone - 120									
Zn Tot/Ave	0	0.0	0	0.0	137	-10,955	70.7	-112	-27,234
Zn Block	0	0.0	0	0.0	137	-10,955	70.7	-112	-27,234
2- 2W-P-S-PO	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 121									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
2- 2W-P-SW-CR	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 122									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
2- 2W-P-SW-OO	0	0.0	0	0.0	161	-12,889	70.7	-131	-35,305
Zone - 123									
Zn Tot/Ave	0	0.0	0	0.0	161	-12,889	70.7	-131	-35,305
Zn Block	0	0.0	0	0.0	161	-12,889	70.7	-131	-35,305
2- 2W-P-N-OO	0	0.0	0	0.0	74	-5,964	70.7	-61	-11,818
Zone - 124									
Zn Tot/Ave	0	0.0	0	0.0	74	-5,964	70.7	-61	-11,818
Zn Block	0	0.0	0	0.0	74	-5,964	70.7	-61	-11,818
2- 2W-P-N-CN	0	0.0	0	0.0	5	-398	70.7	-4	-788
Zone - 125									
Zn Tot/Ave	0	0.0	0	0.0	5	-398	70.7	-4	-788
Zn Block	0	0.0	0	0.0	5	-398	70.7	-4	-788
2- 2W-P-N-CR	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 126									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
2- 2W-P-N-PO	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zone - 127									
Zn Tot/Ave	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
Zn Block	0	0.0	0	0.0	10	-795	70.7	-8	-1,576
3- 3E-I-OO	0	0.0	0	0.0	739	-59,174	70.7	-603	-76,216
Zone - 128									
Zn Tot/Ave	0	0.0	0	0.0	739	-59,174	70.7	-603	-76,216
Zn Block	0	0.0	0	0.0	739	-59,174	70.7	-603	-76,216
3- 3E-I-CR	0	0.0	0	0.0	148	-11,835	70.7	-121	-15,243
Zone - 129									
Zn Tot/Ave	0	0.0	0	0.0	148	-11,835	70.7	-121	-15,243
Zn Block	0	0.0	0	0.0	148	-11,835	70.7	-121	-15,243
3- 3E-I-CN	0	0.0	0	0.0	295	-23,670	70.7	-241	-30,486
Zone - 130									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.7	-241	-30,486
Zn Block	0	0.0	0	0.0	295	-23,670	70.7	-241	-30,486
3- 3E-I-SM	0	0.0	0	0.0	295	-23,670	70.7	-241	-30,486
Zone - 131									
Zn Tot/Ave	0	0.0	0	0.0	295	-23,670	70.7	-241	-30,486
Zn Block	0	0.0	0	0.0	295	-23,670	70.7	-241	-30,486

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
3- 3W-I-OO	0	0.0	0	0.0	296	-23,695	70.7	-241	-23,936
Zone - 132									
Zn Tot/Ave	0	0.0	0	0.0	296	-23,695	70.7	-241	-23,936
Zn Block	0	0.0	0	0.0	296	-23,695	70.7	-241	-23,936
3- 3W-I-CR	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zone - 133									
Zn Tot/Ave	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
Zn Block	0	0.0	0	0.0	59	-4,739	70.7	-48	-4,787
3- 3W-I-CN	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zone - 134									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zn Block	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
3- 3W-I-SM	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zone - 135									
Zn Tot/Ave	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
Zn Block	0	0.0	0	0.0	118	-9,478	70.7	-97	-9,574
3- 3E-P-NW-OO	0	0.0	0	0.0	342	-27,387	70.7	-279	-75,693
Zone - 136									
Zn Tot/Ave	0	0.0	0	0.0	342	-27,387	70.7	-279	-75,693
Zn Block	0	0.0	0	0.0	342	-27,387	70.7	-279	-75,693
3- 3E-P-NW-CN	0	0.0	0	0.0	23	-1,826	70.7	-19	-5,046
Zone - 137									
Zn Tot/Ave	0	0.0	0	0.0	23	-1,826	70.7	-19	-5,046
Zn Block	0	0.0	0	0.0	23	-1,826	70.7	-19	-5,046
3- 3E-P-NW-CR	0	0.0	0	0.0	46	-3,652	70.7	-37	-10,092
Zone - 138									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.7	-37	-10,092
Zn Block	0	0.0	0	0.0	46	-3,652	70.7	-37	-10,092
3- 3E-P-NW-PO	0	0.0	0	0.0	46	-3,652	70.7	-37	-10,092
Zone - 139									
Zn Tot/Ave	0	0.0	0	0.0	46	-3,652	70.7	-37	-10,092
Zn Block	0	0.0	0	0.0	46	-3,652	70.7	-37	-10,092
3- 3E-P-NE-CR	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,663
Zone - 140									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,663
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,663
3- 3E-P-NE-OO	0	0.0	0	0.0	99	-7,940	70.7	-81	-27,463
Zone - 141									
Zn Tot/Ave	0	0.0	0	0.0	99	-7,940	70.7	-81	-27,463
Zn Block	0	0.0	0	0.0	99	-7,940	70.7	-81	-27,463
3- 3E-P-NE-CN	0	0.0	0	0.0	7	-529	70.7	-5	-1,832
Zone - 142									
Zn Tot/Ave	0	0.0	0	0.0	7	-529	70.7	-5	-1,832
Zn Block	0	0.0	0	0.0	7	-529	70.7	-5	-1,832
3- 3E-P-SE-OO	0	0.0	0	0.0	262	-20,988	70.7	-214	-61,506
Zone - 143									
Zn Tot/Ave	0	0.0	0	0.0	262	-20,988	70.7	-214	-61,506
Zn Block	0	0.0	0	0.0	262	-20,988	70.7	-214	-61,506
3- 3E-P-NE-PO	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,663
Zone - 144									
Zn Tot/Ave	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,663
Zn Block	0	0.0	0	0.0	13	-1,059	70.7	-11	-3,663

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
3- 3E-P-SE-CR	0	0.0	0	0.0	35	-2,798	70.7	-28	-8,201
Zone - 145									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-8,201
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-8,201
3- 3E-P-SE-PO	0	0.0	0	0.0	35	-2,798	70.7	-28	-8,201
Zone - 146									
Zn Tot/Ave	0	0.0	0	0.0	35	-2,798	70.7	-28	-8,201
Zn Block	0	0.0	0	0.0	35	-2,798	70.7	-28	-8,201
3- 3E-P-SE-CN	0	0.0	0	0.0	17	-1,399	70.7	-14	-4,101
Zone - 147									
Zn Tot/Ave	0	0.0	0	0.0	17	-1,399	70.7	-14	-4,101
Zn Block	0	0.0	0	0.0	17	-1,399	70.7	-14	-4,101
3- 3W-P-S-CR	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 148									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
3- 3W-P-S-OO	0	0.0	0	0.0	77	-6,130	70.7	-62	-19,762
Zone - 149									
Zn Tot/Ave	0	0.0	0	0.0	77	-6,130	70.7	-62	-19,762
Zn Block	0	0.0	0	0.0	77	-6,130	70.7	-62	-19,762
3- 3W-P-S-CN	0	0.0	0	0.0	5	-409	70.7	-4	-1,317
Zone - 150									
Zn Tot/Ave	0	0.0	0	0.0	5	-409	70.7	-4	-1,317
Zn Block	0	0.0	0	0.0	5	-409	70.7	-4	-1,317
3- 3W-P-S-PO	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zone - 151									
Zn Tot/Ave	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
Zn Block	0	0.0	0	0.0	10	-817	70.7	-8	-2,635
3- 3W-P-SW-CR	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zone - 152									
Zn Tot/Ave	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
Zn Block	0	0.0	0	0.0	21	-1,718	70.7	-18	-4,707
3- 3W-P-SW-OO	0	0.0	0	0.0	161	-12,889	70.7	-131	-35,305
Zone - 153									
Zn Tot/Ave	0	0.0	0	0.0	161	-12,889	70.7	-131	-35,305
Zn Block	0	0.0	0	0.0	161	-12,889	70.7	-131	-35,305
<b>AHUs vav w/ rh</b>									
Sys Tot/Ave	0	0.0	0	0.0	14,213	-1,138,809	70.7	-11,598	-1,866,913
Sys Block	0	0.0	0	0.0	14,213	-1,138,809	70.7	-11,600	-1,866,915

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System	Zone	Room	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
4-	4W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-NW-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-SW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-SW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-SW-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4-	4W-P-S-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-M			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-S			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 011	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 011	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 012	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 012	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 014	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 014	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 015	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 015	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 016	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 016	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 017	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 017	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 018	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 018	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 019	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 019	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 020	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 020	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 021	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 021	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 022	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 022	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 023	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 023	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS				CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h
System	Zone	Room									
		1E-P-SE-OO	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 024	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 024	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-SE-R	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 025	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 025	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-SE-L	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 026	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 026	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NE-CN	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 027	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 027	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NE-S	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 028	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 028	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NE-OO	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 029	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 029	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NE-L	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 030	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 030	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NE-M	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 031	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 031	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 032	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 032	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NE-R	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 033	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 033	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		1E-P-NW-S	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 034	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
	Zone - 034	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
		4- 4W-P-N-MS	0	0	0.0	0.0	0.0	0	0	0	0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 035	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 035	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 036	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 036	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 037	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 037	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1W-I-R		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 038	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 038	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 039	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 039	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
IE-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 040	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 040	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 041	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 041	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-S		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 042	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 042	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-R		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 043	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 043	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
1E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 044	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 044	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4W-P-S-MS		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 045	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 045	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
4- 4E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 046	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 046	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 057	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 057	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 058	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 058	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 059	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 059	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 060	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 060	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NW-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 061	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 061	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-W-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 062	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 062	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NE-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 063	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 063	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 064	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 064	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-NE-00		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 065	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 065	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 066	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 066	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 067	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 067	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 068	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 068	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
		3- 3W-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 069	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 069	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-SW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 070	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 070	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 071	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 071	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 072	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 072	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		3- 3W-P-SW-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 073	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 073	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 074	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 074	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 075	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 075	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-SE-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 076	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 076	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-SE-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 077	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 077	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 078	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 078	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-SE-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 079	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 079	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-P-NE-PO	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 080	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 080	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-SE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NE-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NE-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-I-SM	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-I-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 091	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone	Room										
Zone - 091	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2E-I-SM			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 092	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 092	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-NW-M			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 093	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 093	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2E-I-CR			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 094	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 094	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-I-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 095	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 095	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2E-I-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 096	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 096	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-CN			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 097	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 097	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-S			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 098	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 098	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 099	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 099	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-M			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 100	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 100	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 101	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 101	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-N-R			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 102	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 102	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 103	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 103	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 104	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 104	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 105	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 105	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2E-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 106	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 106	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 107	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 107	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 108	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 108	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-SW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 109	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 109	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 110	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 110	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 111	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 111	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 112	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 112	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-I-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 113	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 113	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

System	Zone	Room	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
		1W-I-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 114	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 114	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1W-I-S	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 115	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 115	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1W-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 116	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 116	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1E-P-NW-R	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 117	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 117	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1E-P-NW-L	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 118	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 118	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1E-P-NW-M	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 119	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 119	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1E-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 120	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 120	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-S-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 121	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 121	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-SW-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 122	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 122	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-SW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 123	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 123	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-N-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 124	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 124	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-N-CN	0	0	0.0	0.0	0.0	0	0	0	0	0



# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 125	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 125	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 126	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 126	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 127	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 127	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 128	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 128	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 129	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 129	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 130	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 130	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 131	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 131	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 132	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 132	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 133	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 133	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 134	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 134	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 135	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 135	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 136	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System Zone Room											
Zone - 136	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 137	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 137	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 138	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 138	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 139	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 139	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 140	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 140	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 141	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 141	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 142	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 142	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 143	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 143	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-NE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 144	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 144	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 145	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 145	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 146	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 146	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
3- 3E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 147	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 147	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 148	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 148	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 149	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 149	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 150	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 150	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-S-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 151	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 151	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-SW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 152	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 152	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-SW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 153	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 153	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	AHUs vav w/ rh	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	AHUs vav w/ rh	Sys Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

## Alternative 1

System Zone Room	WALL				WINDOW							
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
4- 4W-P-NW-OO	313	44.7	1,091	45.1	18,388	0	0.931	819	7.3	0	0.0	
Zone - 001												
Zn Tot/Ave	313	44.7	1,091	45.1	18,388	0	0.931	819	7.3	0	0.0	
Zn Block	313	44.7	1,091	45.1	18,388	0	0.931	819	7.3	0	0.0	
4- 4W-P-NW-MS	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0	
Zone - 002												
Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0	
Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0	
4- 4W-P-SW-OO	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0	
Zone - 003												
Zn Tot/Ave	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0	
Zn Block	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0	
4- 4W-P-SW-L	138	51.6	426	52.0	12,044	0	0.991	169	3.4	0	0.0	
Zone - 004												
Zn Tot/Ave	138	51.6	426	52.0	12,044	0	0.991	169	3.4	0	0.0	
Zn Block	138	51.6	426	52.0	12,044	0	0.991	169	3.4	0	0.0	
4- 4W-P-SW-MS	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zone - 005												
Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
4- 4W-P-S-OO	293	44.1	667	44.3	39,889	0	0.976	-1,400	-8.7	0	0.0	
Zone - 006												
Zn Tot/Ave	293	44.1	667	44.3	39,889	0	0.976	-1,400	-8.7	0	0.0	
Zn Block	293	44.1	667	44.3	39,889	0	0.976	-1,400	-8.7	0	0.0	
4- 4W-P-S-L	59	44.1	133	44.3	7,981	0	0.976	-280	-8.7	0	0.0	
Zone - 007												
Zn Tot/Ave	59	44.1	133	44.3	7,981	0	0.976	-280	-8.7	0	0.0	
Zn Block	59	44.1	133	44.3	7,981	0	0.976	-280	-8.7	0	0.0	
1W-P-SW-M	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zone - 008												
Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
1W-P-SW-OO	276	51.6	852	52.0	24,088	0	0.991	338	3.4	0	0.0	
Zone - 009												
Zn Tot/Ave	276	51.6	852	52.0	24,088	0	0.991	338	3.4	0	0.0	
Zn Block	276	51.6	852	52.0	24,088	0	0.991	338	3.4	0	0.0	
1W-P-SW-S	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zone - 010												
Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
1W-P-SW-L	230	51.6	710	52.0	20,073	0	0.991	282	3.4	0	0.0	
Zone - 011												
Zn Tot/Ave	230	51.6	710	52.0	20,073	0	0.991	282	3.4	0	0.0	
Zn Block	230	51.6	710	52.0	20,073	0	0.991	282	3.4	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 012												
Zone - 012	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 012	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-SW-R	138	51.6	426	52.0	12,044	0	0.991	169	3.4	0	0.0	
Zone - 014												
Zone - 014	Zn Tot/Ave	138	51.6	426	52.0	12,044	0	0.991	169	3.4	0	0.0
Zone - 014	Zn Block	138	51.6	426	52.0	12,044	0	0.991	169	3.4	0	0.0
1W-P-S-CN	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0	
Zone - 015												
Zone - 015	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 015	Zn Block	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
1W-P-S-S	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0	
Zone - 016												
Zone - 016	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 016	Zn Block	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
1W-P-S-M	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0	
Zone - 017												
Zone - 017	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 017	Zn Block	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
1W-P-S-OO	117	44.1	267	44.3	15,954	0	0.976	-560	-8.7	0	0.0	
Zone - 018												
Zone - 018	Zn Tot/Ave	117	44.1	267	44.3	15,954	0	0.976	-560	-8.7	0	0.0
Zone - 018	Zn Block	117	44.1	267	44.3	15,954	0	0.976	-560	-8.7	0	0.0
1W-P-S-L	98	44.1	222	44.3	13,299	0	0.976	-467	-8.7	0	0.0	
Zone - 019												
Zone - 019	Zn Tot/Ave	98	44.1	222	44.3	13,299	0	0.976	-467	-8.7	0	0.0
Zone - 019	Zn Block	98	44.1	222	44.3	13,299	0	0.976	-467	-8.7	0	0.0
1W-P-S-R	59	44.1	133	44.3	7,981	0	0.976	-280	-8.7	0	0.0	
Zone - 020												
Zone - 020	Zn Tot/Ave	59	44.1	133	44.3	7,981	0	0.976	-280	-8.7	0	0.0
Zone - 020	Zn Block	59	44.1	133	44.3	7,981	0	0.976	-280	-8.7	0	0.0
1E-P-SE-CN	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0	
Zone - 021												
Zone - 021	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 021	Zn Block	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
1E-P-SE-S	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0	
Zone - 022												
Zone - 022	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 022	Zn Block	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
1E-P-SE-M	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0	
Zone - 023												
Zone - 023	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 023	Zn Block	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
1E-P-SE-OO	249	30.9	744	31.0	37,548	0	0.998	-1,615	-10.3	0	0.0	
Zone - 024												
Zone - 024	Zn Tot/Ave	249	30.9	744	31.0	37,548	0	0.998	-1,615	-10.3	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
Zone - 024	Zn Block	249	30.9	744	31.0	37,548	0	0.998	-1,615	-10.3	0	0.0
1E-P-SE-R		125	30.9	372	31.0	18,777	0	0.998	-808	-10.3	0	0.0
Zone - 025	Zn Tot/Ave	125	30.9	372	31.0	18,777	0	0.998	-808	-10.3	0	0.0
Zone - 025	Zn Block	125	30.9	372	31.0	18,777	0	0.998	-808	-10.3	0	0.0
1E-P-SE-L		208	30.9	620	31.0	31,293	0	0.998	-1,346	-10.3	0	0.0
Zone - 026	Zn Tot/Ave	208	30.9	620	31.0	31,293	0	0.998	-1,346	-10.3	0	0.0
Zone - 026	Zn Block	208	30.9	620	31.0	31,293	0	0.998	-1,346	-10.3	0	0.0
1E-P-NE-CN		23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 027	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 027	Zn Block	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
1E-P-NE-S		23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 028	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 028	Zn Block	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
1E-P-NE-OO		70	19.6	174	19.7	13,828	0	0.958	-737	-9.1	0	0.0
Zone - 029	Zn Tot/Ave	70	19.6	174	19.7	13,828	0	0.958	-737	-9.1	0	0.0
Zone - 029	Zn Block	70	19.6	174	19.7	13,828	0	0.958	-737	-9.1	0	0.0
1E-P-NE-L		58	19.6	145	19.7	11,522	0	0.958	-614	-9.1	0	0.0
Zone - 030	Zn Tot/Ave	58	19.6	145	19.7	11,522	0	0.958	-614	-9.1	0	0.0
Zone - 030	Zn Block	58	19.6	145	19.7	11,522	0	0.958	-614	-9.1	0	0.0
1E-P-NE-M		23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 031	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 031	Zn Block	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
1E-P-NW-CN		135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 032	Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 032	Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
1E-P-NE-R		71	40.0	179	40.4	6,595	0	0.924	364	9.0	0	0.0
Zone - 033	Zn Tot/Ave	71	40.0	179	40.4	6,595	0	0.924	364	9.0	0	0.0
Zone - 033	Zn Block	71	40.0	179	40.4	6,595	0	0.924	364	9.0	0	0.0
1E-P-NW-S		135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 034	Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 034	Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
4- 4W-P-N-MS		12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
Zone - 035	Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
Zone - 035	Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
4- 4W-P-NW-L		63	44.7	218	45.1	3,678	0	0.931	164	7.3	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW							
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
	Zone - 036	Zn Tot/Ave	63	44.7	218	45.1	3,678	0	0.931		164	7.3	0	0.0
	Zone - 036	Zn Block	63	44.7	218	45.1	3,678	0	0.931		164	7.3	0	0.0
4-	4W-P-N-L		18	19.1	75	19.7	408	0	0.900		134	11.5	0	0.0
	Zone - 037	Zn Tot/Ave	18	19.1	75	19.7	408	0	0.900		134	11.5	0	0.0
	Zone - 037	Zn Block	18	19.1	75	19.7	408	0	0.900		134	11.5	0	0.0
1W-I-R			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 038	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
1W-I-L			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 039	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
IE-I-CN			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 040	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
1E-I-OO			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 041	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 041	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
1E-I-S			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 042	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 042	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
1E-I-R			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 043	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 043	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
1E-I-L			0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 044	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 044	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
4-	4W-P-S-MS		39	44.1	89	44.3	5,318	0	0.976		-187	-8.7	0	0.0
	Zone - 045	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976		-187	-8.7	0	0.0
	Zone - 045	Zn Block	39	44.1	89	44.3	5,318	0	0.976		-187	-8.7	0	0.0
4-	4E-P-SE-OO		0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 046	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
	Zone - 046	Zn Block	0	0.0	0	0.0	0	0	0.000		0	0.0	0	0.0
1W-P-SW-CN			92	51.6	284	52.0	8,029	0	0.991		113	3.4	0	0.0
	Zone - 047	Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991		113	3.4	0	0.0
	Zone - 047	Zn Block	92	51.6	284	52.0	8,029	0	0.991		113	3.4	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
1W-P-NW-R	63	44.7	218	45.1	3,678	0	0.931	164	7.3	0	0.0	
Zone - 048												
Zn Tot/Ave	63	44.7	218	45.1	3,678	0	0.931	164	7.3	0	0.0	
Zn Block	63	44.7	218	45.1	3,678	0	0.931	164	7.3	0	0.0	
1W-P-NW-L	104	44.7	363	45.1	6,128	0	0.931	273	7.3	0	0.0	
Zone - 049												
Zn Tot/Ave	104	44.7	363	45.1	6,128	0	0.931	273	7.3	0	0.0	
Zn Block	104	44.7	363	45.1	6,128	0	0.931	273	7.3	0	0.0	
4- 4E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 050												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 051												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-CR	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zone - 052												
Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
3- 3W-P-N-PO	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zone - 053												
Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
4- 4E-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 054												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 055												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 056												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 057												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 058												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 059												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 059	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 060	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 060	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 061	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 061	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 062	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 062	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 063	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 063	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 064	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 064	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 065	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 065	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN			6	19.1	25	19.7	136	0	0.900	45	11.5	0	0.0
	Zone - 066	Zn Tot/Ave	6	19.1	25	19.7	136	0	0.900	45	11.5	0	0.0
	Zone - 066	Zn Block	6	19.1	25	19.7	136	0	0.900	45	11.5	0	0.0
3- 3W-P-N-OO			91	19.1	373	19.7	2,042	0	0.900	668	11.5	0	0.0
	Zone - 067	Zn Tot/Ave	91	19.1	373	19.7	2,042	0	0.900	668	11.5	0	0.0
	Zone - 067	Zn Block	91	19.1	373	19.7	2,042	0	0.900	668	11.5	0	0.0
3- 3W-P-NW-CN			21	44.7	73	45.1	1,225	0	0.931	55	7.3	0	0.0
	Zone - 068	Zn Tot/Ave	21	44.7	73	45.1	1,225	0	0.931	55	7.3	0	0.0
	Zone - 068	Zn Block	21	44.7	73	45.1	1,225	0	0.931	55	7.3	0	0.0
3- 3W-P-NW-CR			42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 069	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 069	Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
3- 3W-P-SW-PO			92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
	Zone - 070	Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
	Zone - 070	Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
3- 3W-P-NW-PO			42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW							
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
	Zone - 071	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931		109	7.3	0	0.0
	Zone - 071	Zn Block	42	44.7	146	45.1	2,453	0	0.931		109	7.3	0	0.0
3- 3W-P-NW-OO			313	44.7	1,091	45.1	18,388	0	0.931		819	7.3	0	0.0
	Zone - 072	Zn Tot/Ave	313	44.7	1,091	45.1	18,388	0	0.931		819	7.3	0	0.0
	Zone - 072	Zn Block	313	44.7	1,091	45.1	18,388	0	0.931		819	7.3	0	0.0
3- 3W-P-SW-CN			46	51.6	142	52.0	4,015	0	0.991		56	3.4	0	0.0
	Zone - 073	Zn Tot/Ave	46	51.6	142	52.0	4,015	0	0.991		56	3.4	0	0.0
	Zone - 073	Zn Block	46	51.6	142	52.0	4,015	0	0.991		56	3.4	0	0.0
2- 2W-P-S-OO			293	44.1	667	44.3	39,885	0	0.976		-1,399	-8.7	0	0.0
	Zone - 074	Zn Tot/Ave	293	44.1	667	44.3	39,885	0	0.976		-1,399	-8.7	0	0.0
	Zone - 074	Zn Block	293	44.1	667	44.3	39,885	0	0.976		-1,399	-8.7	0	0.0
2- 2W-P-S-CN			20	44.1	44	44.3	2,659	0	0.976		-93	-8.7	0	0.0
	Zone - 075	Zn Tot/Ave	20	44.1	44	44.3	2,659	0	0.976		-93	-8.7	0	0.0
	Zone - 075	Zn Block	20	44.1	44	44.3	2,659	0	0.976		-93	-8.7	0	0.0
2- 2E-P-SE-CN			42	30.9	124	31.0	6,261	0	0.998		-269	-10.3	0	0.0
	Zone - 076	Zn Tot/Ave	42	30.9	124	31.0	6,261	0	0.998		-269	-10.3	0	0.0
	Zone - 076	Zn Block	42	30.9	124	31.0	6,261	0	0.998		-269	-10.3	0	0.0
2- 2E-P-SE-PO			83	30.9	248	31.0	12,516	0	0.998		-538	-10.3	0	0.0
	Zone - 077	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998		-538	-10.3	0	0.0
	Zone - 077	Zn Block	83	30.9	248	31.0	12,516	0	0.998		-538	-10.3	0	0.0
2- 2W-P-S-CR			39	44.1	89	44.3	5,318	0	0.976		-187	-8.7	0	0.0
	Zone - 078	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976		-187	-8.7	0	0.0
	Zone - 078	Zn Block	39	44.1	89	44.3	5,318	0	0.976		-187	-8.7	0	0.0
2- 2E-P-SE-CR			83	30.9	248	31.0	12,516	0	0.998		-538	-10.3	0	0.0
	Zone - 079	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998		-538	-10.3	0	0.0
	Zone - 079	Zn Block	83	30.9	248	31.0	12,516	0	0.998		-538	-10.3	0	0.0
2- 2E-P-NE-PO			23	19.6	58	19.7	4,611	0	0.958		-246	-9.1	0	0.0
	Zone - 080	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958		-246	-9.1	0	0.0
	Zone - 080	Zn Block	23	19.6	58	19.7	4,611	0	0.958		-246	-9.1	0	0.0
2- 2E-P-SE-OO			623	30.9	1,859	31.0	93,874	0	0.998		-4,038	-10.3	0	0.0
	Zone - 081	Zn Tot/Ave	623	30.9	1,859	31.0	93,874	0	0.998		-4,038	-10.3	0	0.0
	Zone - 081	Zn Block	623	30.9	1,859	31.0	93,874	0	0.998		-4,038	-10.3	0	0.0
2- 2E-P-NE-OO			175	19.6	436	19.7	34,562	0	0.958		-1,843	-9.1	0	0.0
	Zone - 082	Zn Tot/Ave	175	19.6	436	19.7	34,562	0	0.958		-1,843	-9.1	0	0.0
	Zone - 082	Zn Block	175	19.6	436	19.7	34,562	0	0.958		-1,843	-9.1	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
2- 2E-P-NE-CR	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0	
Zone - 083												
Zone - 083	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 083	Zn Block	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
2- 2E-P-NW-PO	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0	
Zone - 084												
Zone - 084	Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 084	Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
2- 2E-P-NW-CR	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0	
Zone - 085												
Zone - 085	Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 085	Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
2- 2E-P-NE-CN	12	19.6	29	19.7	2,305	0	0.958	-123	-9.1	0	0.0	
Zone - 086												
Zone - 086	Zn Tot/Ave	12	19.6	29	19.7	2,305	0	0.958	-123	-9.1	0	0.0
Zone - 086	Zn Block	12	19.6	29	19.7	2,305	0	0.958	-123	-9.1	0	0.0
2- 2E-P-NW-CN	67	40.0	217	40.4	4,895	0	0.924	270	9.0	0	0.0	
Zone - 087												
Zone - 087	Zn Tot/Ave	67	40.0	217	40.4	4,895	0	0.924	270	9.0	0	0.0
Zone - 087	Zn Block	67	40.0	217	40.4	4,895	0	0.924	270	9.0	0	0.0
2- 2E-P-NW-OO	1,009	40.0	3,256	40.4	73,428	0	0.924	4,049	9.0	0	0.0	
Zone - 088												
Zone - 088	Zn Tot/Ave	1,009	40.0	3,256	40.4	73,428	0	0.924	4,049	9.0	0	0.0
Zone - 088	Zn Block	1,009	40.0	3,256	40.4	73,428	0	0.924	4,049	9.0	0	0.0
2- 2W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 089												
Zone - 089	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 090												
Zone - 090	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 091												
Zone - 091	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 092												
Zone - 092	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-M	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0	
Zone - 093												
Zone - 093	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
Zone - 093	Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
2- 2E-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 094												
Zone - 094	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 094	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2-	2W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 095	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 095	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2-	2E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 096	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 096	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN			12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
	Zone - 097	Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
	Zone - 097	Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
1W-P-N-S			12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
	Zone - 098	Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
	Zone - 098	Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
1W-P-N-OO			36	19.1	149	19.7	817	0	0.900	267	11.5	0	0.0
	Zone - 099	Zn Tot/Ave	36	19.1	149	19.7	817	0	0.900	267	11.5	0	0.0
	Zone - 099	Zn Block	36	19.1	149	19.7	817	0	0.900	267	11.5	0	0.0
1W-P-N-M			12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
	Zone - 100	Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
	Zone - 100	Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0
1W-P-N-L			30	19.1	124	19.7	681	0	0.900	223	11.5	0	0.0
	Zone - 101	Zn Tot/Ave	30	19.1	124	19.7	681	0	0.900	223	11.5	0	0.0
	Zone - 101	Zn Block	30	19.1	124	19.7	681	0	0.900	223	11.5	0	0.0
1W-P-N-R			18	19.1	75	19.7	408	0	0.900	134	11.5	0	0.0
	Zone - 102	Zn Tot/Ave	18	19.1	75	19.7	408	0	0.900	134	11.5	0	0.0
	Zone - 102	Zn Block	18	19.1	75	19.7	408	0	0.900	134	11.5	0	0.0
1W-P-NW-CN			42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 103	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 103	Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
1W-P-NW-S			42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 104	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 104	Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
1W-P-NW-OO			125	44.7	436	45.1	7,356	0	0.931	328	7.3	0	0.0
	Zone - 105	Zn Tot/Ave	125	44.7	436	45.1	7,356	0	0.931	328	7.3	0	0.0
	Zone - 105	Zn Block	125	44.7	436	45.1	7,356	0	0.931	328	7.3	0	0.0
2-	2E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 106	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CN			46	51.6	142	52.0	4,015	0	0.991	56	3.4	0	0.0
	Zone - 107	Zn Tot/Ave	46	51.6	142	52.0	4,015	0	0.991	56	3.4	0	0.0
	Zone - 107	Zn Block	46	51.6	142	52.0	4,015	0	0.991	56	3.4	0	0.0
2- 2W-P-NW-OO			313	44.7	1,091	45.1	18,388	0	0.931	819	7.3	0	0.0
	Zone - 108	Zn Tot/Ave	313	44.7	1,091	45.1	18,388	0	0.931	819	7.3	0	0.0
	Zone - 108	Zn Block	313	44.7	1,091	45.1	18,388	0	0.931	819	7.3	0	0.0
2- 2W-P-SW-PO			92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
	Zone - 109	Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
	Zone - 109	Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
2- 2W-P-NW-CR			42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 110	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 110	Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
2- 2W-P-NW-PO			42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 111	Zn Tot/Ave	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
	Zone - 111	Zn Block	42	44.7	146	45.1	2,453	0	0.931	109	7.3	0	0.0
2- 2W-P-NW-CN			21	44.7	73	45.1	1,225	0	0.931	55	7.3	0	0.0
	Zone - 112	Zn Tot/Ave	21	44.7	73	45.1	1,225	0	0.931	55	7.3	0	0.0
	Zone - 112	Zn Block	21	44.7	73	45.1	1,225	0	0.931	55	7.3	0	0.0
1W-I-M			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 113	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 113	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-OO			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 114	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 114	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-S			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 115	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 115	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-CN			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 116	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 116	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-R			202	40.0	651	40.4	14,686	0	0.924	810	9.0	0	0.0
	Zone - 117	Zn Tot/Ave	202	40.0	651	40.4	14,686	0	0.924	810	9.0	0	0.0
	Zone - 117	Zn Block	202	40.0	651	40.4	14,686	0	0.924	810	9.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

	WALL				WINDOW							
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
System Zone Room												
1E-P-NW-L	336	40.0	1,085	40.4	24,476	0	0.924	1,350	9.0	0	0.0	
Zone - 118												
Zn Tot/Ave	336	40.0	1,085	40.4	24,476	0	0.924	1,350	9.0	0	0.0	
Zn Block	336	40.0	1,085	40.4	24,476	0	0.924	1,350	9.0	0	0.0	
1E-P-NW-M	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0	
Zone - 119												
Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0	
Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0	
1E-P-NW-OO	404	40.0	1,302	40.4	29,371	0	0.924	1,620	9.0	0	0.0	
Zone - 120												
Zn Tot/Ave	404	40.0	1,302	40.4	29,371	0	0.924	1,620	9.0	0	0.0	
Zn Block	404	40.0	1,302	40.4	29,371	0	0.924	1,620	9.0	0	0.0	
2- 2W-P-S-PO	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0	
Zone - 121												
Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0	
Zn Block	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0	
2- 2W-P-SW-CR	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zone - 122												
Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0	
2- 2W-P-SW-OO	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0	
Zone - 123												
Zn Tot/Ave	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0	
Zn Block	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0	
2- 2W-P-N-OO	91	19.1	373	19.7	2,042	0	0.900	668	11.5	0	0.0	
Zone - 124												
Zn Tot/Ave	91	19.1	373	19.7	2,042	0	0.900	668	11.5	0	0.0	
Zn Block	91	19.1	373	19.7	2,042	0	0.900	668	11.5	0	0.0	
2- 2W-P-N-CN	6	19.1	25	19.7	136	0	0.900	45	11.5	0	0.0	
Zone - 125												
Zn Tot/Ave	6	19.1	25	19.7	136	0	0.900	45	11.5	0	0.0	
Zn Block	6	19.1	25	19.7	136	0	0.900	45	11.5	0	0.0	
2- 2W-P-N-CR	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zone - 126												
Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
2- 2W-P-N-PO	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zone - 127												
Zn Tot/Ave	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
Zn Block	12	19.1	50	19.7	272	0	0.900	89	11.5	0	0.0	
3- 3E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 128												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 129												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 129	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 130	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 131	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 132	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 132	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 133	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 133	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 134	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 134	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-SM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-OO		1,009	40.0	3,256	40.4	73,428	0	0.924	4,049	9.0	0	0.0
Zone - 136	Zn Tot/Ave	1,009	40.0	3,256	40.4	73,428	0	0.924	4,049	9.0	0	0.0
Zone - 136	Zn Block	1,009	40.0	3,256	40.4	73,428	0	0.924	4,049	9.0	0	0.0
3- 3E-P-NW-CN		67	40.0	217	40.4	4,895	0	0.924	270	9.0	0	0.0
Zone - 137	Zn Tot/Ave	67	40.0	217	40.4	4,895	0	0.924	270	9.0	0	0.0
Zone - 137	Zn Block	67	40.0	217	40.4	4,895	0	0.924	270	9.0	0	0.0
3- 3E-P-NW-CR		135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 138	Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 138	Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
3- 3E-P-NW-PO		135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 139	Zn Tot/Ave	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
Zone - 139	Zn Block	135	40.0	434	40.4	9,790	0	0.924	540	9.0	0	0.0
3- 3E-P-NE-CR		23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 140	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 140	Zn Block	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
3- 3E-P-NE-OO		175	19.6	436	19.7	34,562	0	0.958	-1,843	-9.1	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
Zone - 141	Zn Tot/Ave	175	19.6	436	19.7	34,562	0	0.958	-1,843	-9.1	0	0.0
Zone - 141	Zn Block	175	19.6	436	19.7	34,562	0	0.958	-1,843	-9.1	0	0.0
3- 3E-P-NE-CN		12	19.6	29	19.7	2,305	0	0.958	-123	-9.1	0	0.0
Zone - 142	Zn Tot/Ave	12	19.6	29	19.7	2,305	0	0.958	-123	-9.1	0	0.0
Zone - 142	Zn Block	12	19.6	29	19.7	2,305	0	0.958	-123	-9.1	0	0.0
3- 3E-P-SE-OO		623	30.9	1,859	31.0	93,874	0	0.998	-4,038	-10.3	0	0.0
Zone - 143	Zn Tot/Ave	623	30.9	1,859	31.0	93,874	0	0.998	-4,038	-10.3	0	0.0
Zone - 143	Zn Block	623	30.9	1,859	31.0	93,874	0	0.998	-4,038	-10.3	0	0.0
3- 3E-P-NE-PO		23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 144	Zn Tot/Ave	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
Zone - 144	Zn Block	23	19.6	58	19.7	4,611	0	0.958	-246	-9.1	0	0.0
3- 3E-P-SE-CR		83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 145	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 145	Zn Block	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
3- 3E-P-SE-PO		83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 146	Zn Tot/Ave	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
Zone - 146	Zn Block	83	30.9	248	31.0	12,516	0	0.998	-538	-10.3	0	0.0
3- 3E-P-SE-CN		42	30.9	124	31.0	6,261	0	0.998	-269	-10.3	0	0.0
Zone - 147	Zn Tot/Ave	42	30.9	124	31.0	6,261	0	0.998	-269	-10.3	0	0.0
Zone - 147	Zn Block	42	30.9	124	31.0	6,261	0	0.998	-269	-10.3	0	0.0
3- 3W-P-S-CR		39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 148	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 148	Zn Block	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
3- 3W-P-S-OO		293	44.1	667	44.3	39,885	0	0.976	-1,399	-8.7	0	0.0
Zone - 149	Zn Tot/Ave	293	44.1	667	44.3	39,885	0	0.976	-1,399	-8.7	0	0.0
Zone - 149	Zn Block	293	44.1	667	44.3	39,885	0	0.976	-1,399	-8.7	0	0.0
3- 3W-P-S-CN		20	44.1	44	44.3	2,659	0	0.976	-93	-8.7	0	0.0
Zone - 150	Zn Tot/Ave	20	44.1	44	44.3	2,659	0	0.976	-93	-8.7	0	0.0
Zone - 150	Zn Block	20	44.1	44	44.3	2,659	0	0.976	-93	-8.7	0	0.0
3- 3W-P-S-PO		39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 151	Zn Tot/Ave	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
Zone - 151	Zn Block	39	44.1	89	44.3	5,318	0	0.976	-187	-8.7	0	0.0
3- 3W-P-SW-CR		92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
Zone - 152	Zn Tot/Ave	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0
Zone - 152	Zn Block	92	51.6	284	52.0	8,029	0	0.991	113	3.4	0	0.0



# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F
System Zone Room												
3- 3W-P-SW-OO		691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0
Zone - 153	Zn Tot/Ave	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0
Zone - 153	Zn Block	691	51.6	2,131	52.0	60,226	0	0.991	845	3.4	0	0.0
<b>AHUs vav w/ rh</b>	Sys Tot/Ave	14,575	38.1	44,647	38.5	1,448,026	0	0.968	-2,290	-0.3	0	0.0
<b>AHUs vav w/ rh</b>	Sys Block	13,314	34.8	40,982	35.3	677,977	0	0.561	73,991	10.3	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum	Space	Plenum	Space	Plenum	Space	Plenum	Plenum	Space	Space		
	Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h	CLTD °F	
4- 4W-P-NW-OO	902	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0	
Zone - 001												
Zn Tot/Ave	902	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0	
Zn Block	902	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-NW-MS	120	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0	
Zone - 002												
Zn Tot/Ave	120	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0	
Zn Block	120	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-OO	2,126	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
Zone - 003												
Zn Tot/Ave	2,126	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	2,126	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-L	425	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
Zone - 004												
Zn Tot/Ave	425	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	425	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-MS	283	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
Zone - 005												
Zn Tot/Ave	283	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	283	31.9	0	32.3	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-OO	517	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
Zone - 006												
Zn Tot/Ave	517	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
Zn Block	517	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-L	103	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
Zone - 007												
Zn Tot/Ave	103	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
Zn Block	103	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 008												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 009												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 010												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 011												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 012												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 014												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Plenum	Space	Space	Plenum	Space	Plenum	Plenum	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h	CLTD °F
Zone - 015	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 015	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 028	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
Zone - 028	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 029	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 029	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 030	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 030	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 031	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 031	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 032	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 032	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 033	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 033	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 034	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 034	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-P-N-MS		214	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 035	Zn Tot/Ave	214	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 035	Zn Block	214	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
4- 4W-P-NW-L		180	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0
Zone - 036	Zn Tot/Ave	180	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0
Zone - 036	Zn Block	180	30.7	0	31.1	0	0	0.000	0	0.0	0	0.0
4- 4W-P-N-L		322	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 037	Zn Tot/Ave	322	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 037	Zn Block	322	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
1W-I-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 038	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 039	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
IE-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 040	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 041	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 041	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F	
1E-I-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 042												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 043												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 044												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-MS	69	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
Zone - 045												
Zn Tot/Ave	69	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
Zn Block	69	16.3	0	16.5	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 046												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 047												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 048												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-NW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 049												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 050												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-P-SE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 051												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 052												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 053												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 054												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
4- 4E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h
Zone - 055	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-L		1,916	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Tot/Ave	1,916	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Block	1,916	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
4- 4W-I-MS		1,278	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Tot/Ave	1,278	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Block	1,278	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
4- 4W-I-OO		9,582	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Tot/Ave	9,582	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Block	9,582	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 066	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 066	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 067	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 067	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 068	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
Zone - 068	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 069	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 069	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 070	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 070	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 071	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 071	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 072	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 072	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 073	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 073	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 074	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 074	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 075	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 075	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 076	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 076	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 077	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 077	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 078	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 078	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 079	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 079	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 080	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 080	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 081	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 081	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F		Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
2- 2E-P-NE-OO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 082					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 082					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 083					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 083					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-PO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 084					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 084					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 085					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 085					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-CN	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 086					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 086					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-CN	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 087					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 087					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-OO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 088					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 088					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-SM	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 089					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 089					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 090					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 090					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 091					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 091					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 092					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 092					Zn Block	0	0	0.000	0	0.0	0	0.0
1W-P-NW-M	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 093					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 093					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-I-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 094					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 094					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-OO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Plenum	Space	Space	Plenum	Space	Plenum	Plenum	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h	CLTD °F
Zone - 095	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 097	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 097	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 098	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 098	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 099	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 099	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 100	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 100	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 101	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 101	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 102	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 102	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 103	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 103	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 104	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 104	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 105	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 105	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 107	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 107	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 108	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
Zone - 108	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 109	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 109	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 110	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 110	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 111	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 111	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 112	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 112	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 113	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 113	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 114	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 114	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 115	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 115	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 116	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 116	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 117	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 117	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 118	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 118	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 119	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 119	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 120	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 120	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 121	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 121	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum		Space		Solar CLF	Plenum		Plenum		Space		
	Sensible Load Btu/h	Plenum CLTD °F	Sensible Load Btu/h	Space CLTD °F		Conduction Load Btu/h	Plenum CLTD °F	Conduction Load Btu/h	Space CLTD °F			
2- 2W-P-SW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 122												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 123												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 124												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 125												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 126												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 127												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-OO	15,953	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zone - 128												
Zn Tot/Ave	15,953	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zn Block	15,953	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CR	3,191	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zone - 129												
Zn Tot/Ave	3,191	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zn Block	3,191	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CN	6,381	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zone - 130												
Zn Tot/Ave	6,381	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zn Block	6,381	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-SM	6,381	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zone - 131												
Zn Tot/Ave	6,381	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
Zn Block	6,381	52.2	0	52.7	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 132												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 133												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 134												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h
Zone - 135	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-OO		5,462	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 136	Zn Tot/Ave	5,462	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 136	Zn Block	5,462	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-CN		364	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 137	Zn Tot/Ave	364	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 137	Zn Block	364	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-CR		728	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 138	Zn Tot/Ave	728	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 138	Zn Block	728	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-PO		728	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 139	Zn Tot/Ave	728	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
Zone - 139	Zn Block	728	38.6	0	39.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-CR		27	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 140	Zn Tot/Ave	27	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 140	Zn Block	27	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-OO		202	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 141	Zn Tot/Ave	202	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 141	Zn Block	202	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-CN		13	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 142	Zn Tot/Ave	13	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 142	Zn Block	13	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-OO		921	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 143	Zn Tot/Ave	921	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 143	Zn Block	921	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-PO		27	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 144	Zn Tot/Ave	27	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
Zone - 144	Zn Block	27	4.9	0	5.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-CR		123	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 145	Zn Tot/Ave	123	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 145	Zn Block	123	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-PO		123	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 146	Zn Tot/Ave	123	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 146	Zn Block	123	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-CN		61	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 147	Zn Tot/Ave	61	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
Zone - 147	Zn Block	61	8.5	0	8.6	0	0	0.000	0	0.0	0	0.0
3- 3W-P-S-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 148	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Plenum	Space	Space	Plenum	Space	Plenum	Plenum	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h	CLTD °F
Zone - 148	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-S-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 149	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 149	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-S-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 150	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 150	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-S-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 151	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 151	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 152	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 152	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 153	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 153	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
<b>AHUs vav w/ rh</b>	<b>Sys Tot/Ave</b>	<b>58,725</b>	<b>41.2</b>	<b>0</b>	<b>79.5</b>	<b>0</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
<b>AHUs vav w/ rh</b>	<b>Sys Block</b>	<b>55,184</b>	<b>38.7</b>	<b>0</b>	<b>39.2</b>	<b>0</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
4- 4W-P-NW-OO	0	0.0	0	0.0	71	489	386	72.4	76	22,462	
Zone - 001			Zn Tot/Ave	0	0.0	71	489	386	72.4	76	22,462
Zone - 001			Zn Block	0	0.0	71	489	386	72.4	76	22,462
4- 4W-P-NW-MS	0	0.0	0	0.0	9	65	51	72.4	10	2,997	
Zone - 002			Zn Tot/Ave	0	0.0	9	65	51	72.4	10	2,997
Zone - 002			Zn Block	0	0.0	9	65	51	72.4	10	2,997
4- 4W-P-SW-OO	0	0.0	0	0.0	161	661	86	72.4	168	66,933	
Zone - 003			Zn Tot/Ave	0	0.0	161	661	86	72.4	168	66,933
Zone - 003			Zn Block	0	0.0	161	661	86	72.4	168	66,933
4- 4W-P-SW-L	0	0.0	0	0.0	32	132	17	72.4	34	13,385	
Zone - 004			Zn Tot/Ave	0	0.0	32	132	17	72.4	34	13,385
Zone - 004			Zn Block	0	0.0	32	132	17	72.4	34	13,385
4- 4W-P-SW-MS	0	0.0	0	0.0	21	88	11	72.4	22	8,924	
Zone - 005			Zn Tot/Ave	0	0.0	21	88	11	72.4	22	8,924
Zone - 005			Zn Block	0	0.0	21	88	11	72.4	22	8,924
4- 4W-P-S-OO	0	0.0	0	0.0	77	-699	-934	72.2	42	38,376	
Zone - 006			Zn Tot/Ave	0	0.0	77	-699	-934	72.2	42	38,376
Zone - 006			Zn Block	0	0.0	77	-699	-934	72.2	42	38,376
4- 4W-P-S-L	0	0.0	0	0.0	15	-140	-187	72.2	8	7,678	
Zone - 007			Zn Tot/Ave	0	0.0	15	-140	-187	72.2	8	7,678
Zone - 007			Zn Block	0	0.0	15	-140	-187	72.2	8	7,678
1W-P-SW-M	0	0.0	0	0.0	21	88	11	72.4	22	8,640	
Zone - 008			Zn Tot/Ave	0	0.0	21	88	11	72.4	22	8,640
Zone - 008			Zn Block	0	0.0	21	88	11	72.4	22	8,640
1W-P-SW-OO	0	0.0	0	0.0	64	264	34	72.4	67	25,920	
Zone - 009			Zn Tot/Ave	0	0.0	64	264	34	72.4	67	25,920
Zone - 009			Zn Block	0	0.0	64	264	34	72.4	67	25,920
1W-P-SW-S	0	0.0	0	0.0	21	88	11	72.4	22	8,640	
Zone - 010			Zn Tot/Ave	0	0.0	21	88	11	72.4	22	8,640
Zone - 010			Zn Block	0	0.0	21	88	11	72.4	22	8,640
1W-P-SW-L	0	0.0	0	0.0	54	220	29	72.4	56	21,600	
Zone - 011			Zn Tot/Ave	0	0.0	54	220	29	72.4	56	21,600
Zone - 011			Zn Block	0	0.0	54	220	29	72.4	56	21,600
1E-I-M	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547	
Zone - 012			Zn Tot/Ave	0	0.0	148	1,972	4,348	72.6	227	6,547
Zone - 012			Zn Block	0	0.0	148	1,972	4,348	72.6	227	6,547
1W-P-SW-R	0	0.0	0	0.0	32	132	17	72.4	34	12,960	
Zone - 014			Zn Tot/Ave	0	0.0	32	132	17	72.4	34	12,960
Zone - 014			Zn Block	0	0.0	32	132	17	72.4	34	12,960

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h			
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h				
1W-P-S-CN	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047			
Zone - 015			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 015			Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
1W-P-S-S	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047			
Zone - 016			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 016			Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
1W-P-S-M	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047			
Zone - 017			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 017			Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
1W-P-S-OO	0	0.0	0	0.0	31	-280	-374	72.2	17	15,142			
Zone - 018			Zn Tot/Ave	0	0.0	0	0.0	31	-280	-374	72.2	17	15,142
Zone - 018			Zn Block	0	0.0	0	0.0	31	-280	-374	72.2	17	15,142
1W-P-S-L	0	0.0	0	0.0	26	-233	-311	72.2	14	12,622			
Zone - 019			Zn Tot/Ave	0	0.0	0	0.0	26	-233	-311	72.2	14	12,622
Zone - 019			Zn Block	0	0.0	0	0.0	26	-233	-311	72.2	14	12,622
1W-P-S-R	0	0.0	0	0.0	15	-140	-187	72.2	8	7,575			
Zone - 020			Zn Tot/Ave	0	0.0	0	0.0	15	-140	-187	72.2	8	7,575
Zone - 020			Zn Block	0	0.0	0	0.0	15	-140	-187	72.2	8	7,575
1E-P-SE-CN	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758			
Zone - 021			Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zone - 021			Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
1E-P-SE-S	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758			
Zone - 022			Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zone - 022			Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
1E-P-SE-M	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758			
Zone - 023			Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zone - 023			Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
1E-P-SE-OO	0	0.0	0	0.0	105	-1,119	-560	72.1	28	35,275			
Zone - 024			Zn Tot/Ave	0	0.0	0	0.0	105	-1,119	-560	72.1	28	35,275
Zone - 024			Zn Block	0	0.0	0	0.0	105	-1,119	-560	72.1	28	35,275
1E-P-SE-R	0	0.0	0	0.0	52	-560	-280	72.1	14	17,640			
Zone - 025			Zn Tot/Ave	0	0.0	0	0.0	52	-560	-280	72.1	14	17,640
Zone - 025			Zn Block	0	0.0	0	0.0	52	-560	-280	72.1	14	17,640
1E-P-SE-L	0	0.0	0	0.0	87	-933	-467	72.1	23	29,398			
Zone - 026			Zn Tot/Ave	0	0.0	0	0.0	87	-933	-467	72.1	23	29,398
Zone - 026			Zn Block	0	0.0	0	0.0	87	-933	-467	72.1	23	29,398
1E-P-NE-CN	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268			
Zone - 027			Zn Tot/Ave	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268
Zone - 027			Zn Block	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
1E-P-NE-S	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268	
Zone - 028			Zn Tot/Ave	0	0.0	13	-129	-51	72.1	2	4,268
Zone - 028			Zn Block	0	0.0	13	-129	-51	72.1	2	4,268
1E-P-NE-OO	0	0.0	0	0.0	40	-388	-154	72.1	7	12,800	
Zone - 029			Zn Tot/Ave	0	0.0	40	-388	-154	72.1	7	12,800
Zone - 029			Zn Block	0	0.0	40	-388	-154	72.1	7	12,800
1E-P-NE-L	0	0.0	0	0.0	33	-323	-128	72.1	6	10,666	
Zone - 030			Zn Tot/Ave	0	0.0	33	-323	-128	72.1	6	10,666
Zone - 030			Zn Block	0	0.0	33	-323	-128	72.1	6	10,666
1E-P-NE-M	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268	
Zone - 031			Zn Tot/Ave	0	0.0	13	-129	-51	72.1	2	4,268
Zone - 031			Zn Block	0	0.0	13	-129	-51	72.1	2	4,268
1E-P-NW-CN	0	0.0	0	0.0	46	447	359	72.4	54	11,759	
Zone - 032			Zn Tot/Ave	0	0.0	46	447	359	72.4	54	11,759
Zone - 032			Zn Block	0	0.0	46	447	359	72.4	54	11,759
1E-P-NE-R	0	0.0	0	0.0	20	194	156	72.4	24	7,583	
Zone - 033			Zn Tot/Ave	0	0.0	20	194	156	72.4	24	7,583
Zone - 033			Zn Block	0	0.0	20	194	156	72.4	24	7,583
1E-P-NW-S	0	0.0	0	0.0	46	447	359	72.4	54	11,759	
Zone - 034			Zn Tot/Ave	0	0.0	46	447	359	72.4	54	11,759
Zone - 034			Zn Block	0	0.0	46	447	359	72.4	54	11,759
4- 4W-P-N-MS	0	0.0	0	0.0	10	133	292	72.6	15	1,078	
Zone - 035			Zn Tot/Ave	0	0.0	10	133	292	72.6	15	1,078
Zone - 035			Zn Block	0	0.0	10	133	292	72.6	15	1,078
4- 4W-P-NW-L	0	0.0	0	0.0	14	98	77	72.4	15	4,493	
Zone - 036			Zn Tot/Ave	0	0.0	14	98	77	72.4	15	4,493
Zone - 036			Zn Block	0	0.0	14	98	77	72.4	15	4,493
4- 4W-P-N-L	0	0.0	0	0.0	15	199	438	72.6	23	1,616	
Zone - 037			Zn Tot/Ave	0	0.0	15	199	438	72.6	23	1,616
Zone - 037			Zn Block	0	0.0	15	199	438	72.6	23	1,616
1W-I-R	0	0.0	0	0.0	89	1,185	2,611	72.6	136	3,933	
Zone - 038			Zn Tot/Ave	0	0.0	89	1,185	2,611	72.6	136	3,933
Zone - 038			Zn Block	0	0.0	89	1,185	2,611	72.6	136	3,933
1W-I-L	0	0.0	0	0.0	148	1,975	4,352	72.6	227	6,554	
Zone - 039			Zn Tot/Ave	0	0.0	148	1,975	4,352	72.6	227	6,554
Zone - 039			Zn Block	0	0.0	148	1,975	4,352	72.6	227	6,554
IE-I-CN	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547	
Zone - 040			Zn Tot/Ave	0	0.0	148	1,972	4,348	72.6	227	6,547
Zone - 040			Zn Block	0	0.0	148	1,972	4,348	72.6	227	6,547



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h			
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h				
1E-I-OO	0	0.0	0	0.0	443	5,917	13,043	72.6	681	19,642			
Zone - 041			Zn Tot/Ave	0	0.0	0	0.0	443	5,917	13,043	72.6	681	19,642
Zone - 041			Zn Block	0	0.0	0	0.0	443	5,917	13,043	72.6	681	19,642
1E-I-S	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547			
Zone - 042			Zn Tot/Ave	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547
Zone - 042			Zn Block	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547
1E-I-R	0	0.0	0	0.0	222	2,959	6,522	72.6	341	9,821			
Zone - 043			Zn Tot/Ave	0	0.0	0	0.0	222	2,959	6,522	72.6	341	9,821
Zone - 043			Zn Block	0	0.0	0	0.0	222	2,959	6,522	72.6	341	9,821
1E-I-L	0	0.0	0	0.0	369	4,931	10,869	72.6	568	16,368			
Zone - 044			Zn Tot/Ave	0	0.0	0	0.0	369	4,931	10,869	72.6	568	16,368
Zone - 044			Zn Block	0	0.0	0	0.0	369	4,931	10,869	72.6	568	16,368
4- 4W-P-S-MS	0	0.0	0	0.0	10	-93	-125	72.2	6	5,116			
Zone - 045			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,116
Zone - 045			Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,116
4- 4E-P-SE-OO	0	0.0	0	0.0	262	3,498	7,710	72.6	403	11,611			
Zone - 046			Zn Tot/Ave	0	0.0	0	0.0	262	3,498	7,710	72.6	403	11,611
Zone - 046			Zn Block	0	0.0	0	0.0	262	3,498	7,710	72.6	403	11,611
1W-P-SW-CN	0	0.0	0	0.0	21	88	11	72.4	22	8,640			
Zone - 047			Zn Tot/Ave	0	0.0	0	0.0	21	88	11	72.4	22	8,640
Zone - 047			Zn Block	0	0.0	0	0.0	21	88	11	72.4	22	8,640
1W-P-NW-R	0	0.0	0	0.0	14	98	77	72.4	15	4,313			
Zone - 048			Zn Tot/Ave	0	0.0	0	0.0	14	98	77	72.4	15	4,313
Zone - 048			Zn Block	0	0.0	0	0.0	14	98	77	72.4	15	4,313
1W-P-NW-L	0	0.0	0	0.0	24	163	129	72.4	25	7,185			
Zone - 049			Zn Tot/Ave	0	0.0	0	0.0	24	163	129	72.4	25	7,185
Zone - 049			Zn Block	0	0.0	0	0.0	24	163	129	72.4	25	7,185
4- 4E-P-SE-L	0	0.0	0	0.0	52	700	1,542	72.6	81	2,322			
Zone - 050			Zn Tot/Ave	0	0.0	0	0.0	52	700	1,542	72.6	81	2,322
Zone - 050			Zn Block	0	0.0	0	0.0	52	700	1,542	72.6	81	2,322
4- 4E-P-SE-MS	0	0.0	0	0.0	35	466	1,028	72.6	54	1,548			
Zone - 051			Zn Tot/Ave	0	0.0	0	0.0	35	466	1,028	72.6	54	1,548
Zone - 051			Zn Block	0	0.0	0	0.0	35	466	1,028	72.6	54	1,548
3- 3W-P-N-CR	0	0.0	0	0.0	10	133	292	72.6	15	863			
Zone - 052			Zn Tot/Ave	0	0.0	0	0.0	10	133	292	72.6	15	863
Zone - 052			Zn Block	0	0.0	0	0.0	10	133	292	72.6	15	863
3- 3W-P-N-PO	0	0.0	0	0.0	10	133	292	72.6	15	863			
Zone - 053			Zn Tot/Ave	0	0.0	0	0.0	10	133	292	72.6	15	863
Zone - 053			Zn Block	0	0.0	0	0.0	10	133	292	72.6	15	863

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
4- 4E-I-MS	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547	
Zone - 054			Zn Tot/Ave	0	0.0	148	1,972	4,348	72.6	227	6,547
Zone - 054			Zn Block	0	0.0	148	1,972	4,348	72.6	227	6,547
4- 4E-I-L	0	0.0	0	0.0	222	2,959	6,522	72.6	341	9,821	
Zone - 055			Zn Tot/Ave	0	0.0	222	2,959	6,522	72.6	341	9,821
Zone - 055			Zn Block	0	0.0	222	2,959	6,522	72.6	341	9,821
4- 4E-I-OO	0	0.0	0	0.0	1,108	14,794	32,608	72.6	1,703	49,105	
Zone - 056			Zn Tot/Ave	0	0.0	1,108	14,794	32,608	72.6	1,703	49,105
Zone - 056			Zn Block	0	0.0	1,108	14,794	32,608	72.6	1,703	49,105
4- 4W-I-L	0	0.0	0	0.0	89	1,185	2,611	72.6	136	5,849	
Zone - 057			Zn Tot/Ave	0	0.0	89	1,185	2,611	72.6	136	5,849
Zone - 057			Zn Block	0	0.0	89	1,185	2,611	72.6	136	5,849
4- 4W-I-MS	0	0.0	0	0.0	59	790	1,741	72.6	91	3,899	
Zone - 058			Zn Tot/Ave	0	0.0	59	790	1,741	72.6	91	3,899
Zone - 058			Zn Block	0	0.0	59	790	1,741	72.6	91	3,899
4- 4W-I-OO	0	0.0	0	0.0	444	5,924	13,057	72.6	682	29,244	
Zone - 059			Zn Tot/Ave	0	0.0	444	5,924	13,057	72.6	682	29,244
Zone - 059			Zn Block	0	0.0	444	5,924	13,057	72.6	682	29,244
4- 4E-P-NW-L	0	0.0	0	0.0	68	913	2,012	72.6	105	3,030	
Zone - 060			Zn Tot/Ave	0	0.0	68	913	2,012	72.6	105	3,030
Zone - 060			Zn Block	0	0.0	68	913	2,012	72.6	105	3,030
4- 4E-P-NW-MS	0	0.0	0	0.0	46	609	1,341	72.6	70	2,020	
Zone - 061			Zn Tot/Ave	0	0.0	46	609	1,341	72.6	70	2,020
Zone - 061			Zn Block	0	0.0	46	609	1,341	72.6	70	2,020
4- 4E-P-W-OO	0	0.0	0	0.0	342	4,565	10,061	72.6	526	15,151	
Zone - 062			Zn Tot/Ave	0	0.0	342	4,565	10,061	72.6	526	15,151
Zone - 062			Zn Block	0	0.0	342	4,565	10,061	72.6	526	15,151
4- 4E-P-NE-MS	0	0.0	0	0.0	13	176	389	72.6	20	586	
Zone - 063			Zn Tot/Ave	0	0.0	13	176	389	72.6	20	586
Zone - 063			Zn Block	0	0.0	13	176	389	72.6	20	586
4- 4E-P-NE-L	0	0.0	0	0.0	20	265	583	72.6	30	879	
Zone - 064			Zn Tot/Ave	0	0.0	20	265	583	72.6	30	879
Zone - 064			Zn Block	0	0.0	20	265	583	72.6	30	879
4- 4E-P-NE-00	0	0.0	0	0.0	99	1,323	2,917	72.6	152	4,393	
Zone - 065			Zn Tot/Ave	0	0.0	99	1,323	2,917	72.6	152	4,393
Zone - 065			Zn Block	0	0.0	99	1,323	2,917	72.6	152	4,393
3- 3W-P-N-CN	0	0.0	0	0.0	5	66	146	72.6	8	432	
Zone - 066			Zn Tot/Ave	0	0.0	5	66	146	72.6	8	432
Zone - 066			Zn Block	0	0.0	5	66	146	72.6	8	432

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
3- 3W-P-N-OO	0	0.0	0	0.0	74	994	2,191	72.6	114	6,474
Zone - 067										
Zn Tot/Ave	0	0.0	0	0.0	74	994	2,191	72.6	114	6,474
Zn Block	0	0.0	0	0.0	74	994	2,191	72.6	114	6,474
3- 3W-P-NW-CN	0	0.0	0	0.0	5	33	26	72.4	5	1,436
Zone - 068										
Zn Tot/Ave	0	0.0	0	0.0	5	33	26	72.4	5	1,436
Zn Block	0	0.0	0	0.0	5	33	26	72.4	5	1,436
3- 3W-P-NW-CR	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 069										
Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
3- 3W-P-SW-PO	0	0.0	0	0.0	21	88	11	72.4	22	8,640
Zone - 070										
Zn Tot/Ave	0	0.0	0	0.0	21	88	11	72.4	22	8,640
Zn Block	0	0.0	0	0.0	21	88	11	72.4	22	8,640
3- 3W-P-NW-PO	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 071										
Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
3- 3W-P-NW-OO	0	0.0	0	0.0	71	489	386	72.4	76	21,560
Zone - 072										
Zn Tot/Ave	0	0.0	0	0.0	71	489	386	72.4	76	21,560
Zn Block	0	0.0	0	0.0	71	489	386	72.4	76	21,560
3- 3W-P-SW-CN	0	0.0	0	0.0	11	44	6	72.4	11	4,320
Zone - 073										
Zn Tot/Ave	0	0.0	0	0.0	11	44	6	72.4	11	4,320
Zn Block	0	0.0	0	0.0	11	44	6	72.4	11	4,320
2- 2W-P-S-OO	0	0.0	0	0.0	77	-699	-934	72.2	42	37,855
Zone - 074										
Zn Tot/Ave	0	0.0	0	0.0	77	-699	-934	72.2	42	37,855
Zn Block	0	0.0	0	0.0	77	-699	-934	72.2	42	37,855
2- 2W-P-S-CN	0	0.0	0	0.0	5	-47	-62	72.2	3	2,524
Zone - 075										
Zn Tot/Ave	0	0.0	0	0.0	5	-47	-62	72.2	3	2,524
Zn Block	0	0.0	0	0.0	5	-47	-62	72.2	3	2,524
2- 2E-P-SE-CN	0	0.0	0	0.0	17	-187	-93	72.1	5	5,882
Zone - 076										
Zn Tot/Ave	0	0.0	0	0.0	17	-187	-93	72.1	5	5,882
Zn Block	0	0.0	0	0.0	17	-187	-93	72.1	5	5,882
2- 2E-P-SE-PO	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zone - 077										
Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
2- 2W-P-S-CR	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 078										
Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
2- 2E-P-SE-CR	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zone - 079										
Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758
Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,758

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
2- 2E-P-NE-PO	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268	
Zone - 080	Zn Tot/Ave	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268
Zone - 080	Zn Block	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268
2- 2E-P-SE-OO	0	0.0	0	0.0	262	-2,798	-1,400	72.1	70	88,189	
Zone - 081	Zn Tot/Ave	0	0.0	0	0.0	262	-2,798	-1,400	72.1	70	88,189
Zone - 081	Zn Block	0	0.0	0	0.0	262	-2,798	-1,400	72.1	70	88,189
2- 2E-P-NE-OO	0	0.0	0	0.0	99	-970	-384	72.1	17	31,992	
Zone - 082	Zn Tot/Ave	0	0.0	0	0.0	99	-970	-384	72.1	17	31,992
Zone - 082	Zn Block	0	0.0	0	0.0	99	-970	-384	72.1	17	31,992
2- 2E-P-NE-CR	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268	
Zone - 083	Zn Tot/Ave	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268
Zone - 083	Zn Block	0	0.0	0	0.0	13	-129	-51	72.1	2	4,268
2- 2E-P-NW-PO	0	0.0	0	0.0	46	446	359	72.4	54	11,759	
Zone - 084	Zn Tot/Ave	0	0.0	0	0.0	46	446	359	72.4	54	11,759
Zone - 084	Zn Block	0	0.0	0	0.0	46	446	359	72.4	54	11,759
2- 2E-P-NW-CR	0	0.0	0	0.0	46	446	359	72.4	54	11,759	
Zone - 085	Zn Tot/Ave	0	0.0	0	0.0	46	446	359	72.4	54	11,759
Zone - 085	Zn Block	0	0.0	0	0.0	46	446	359	72.4	54	11,759
2- 2E-P-NE-CN	0	0.0	0	0.0	7	-65	-26	72.1	1	2,134	
Zone - 086	Zn Tot/Ave	0	0.0	0	0.0	7	-65	-26	72.1	1	2,134
Zone - 086	Zn Block	0	0.0	0	0.0	7	-65	-26	72.1	1	2,134
2- 2E-P-NW-CN	0	0.0	0	0.0	23	223	180	72.4	27	5,879	
Zone - 087	Zn Tot/Ave	0	0.0	0	0.0	23	223	180	72.4	27	5,879
Zone - 087	Zn Block	0	0.0	0	0.0	23	223	180	72.4	27	5,879
2- 2E-P-NW-OO	0	0.0	0	0.0	342	3,347	2,694	72.4	407	88,189	
Zone - 088	Zn Tot/Ave	0	0.0	0	0.0	342	3,347	2,694	72.4	407	88,189
Zone - 088	Zn Block	0	0.0	0	0.0	342	3,347	2,694	72.4	407	88,189
2- 2W-I-SM	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243	
Zone - 089	Zn Tot/Ave	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
Zone - 089	Zn Block	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
2- 2W-I-CN	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243	
Zone - 090	Zn Tot/Ave	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
Zone - 090	Zn Block	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
2- 2W-I-CR	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622	
Zone - 091	Zn Tot/Ave	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
Zone - 091	Zn Block	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
2- 2E-I-SM	0	0.0	0	0.0	295	3,945	8,695	72.6	454	13,095	
Zone - 092	Zn Tot/Ave	0	0.0	0	0.0	295	3,945	8,695	72.6	454	13,095
Zone - 092	Zn Block	0	0.0	0	0.0	295	3,945	8,695	72.6	454	13,095

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h			
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h				
1W-P-NW-M	0	0.0	0	0.0	9	65	51	72.4	10	2,876			
Zone - 093			Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 093			Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
2- 2E-I-CR	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547			
Zone - 094			Zn Tot/Ave	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547
Zone - 094			Zn Block	0	0.0	0	0.0	148	1,972	4,348	72.6	227	6,547
2- 2W-I-OO	0	0.0	0	0.0	296	3,949	8,705	72.6	455	13,108			
Zone - 095			Zn Tot/Ave	0	0.0	0	0.0	296	3,949	8,705	72.6	455	13,108
Zone - 095			Zn Block	0	0.0	0	0.0	296	3,949	8,705	72.6	455	13,108
2- 2E-I-OO	0	0.0	0	0.0	739	9,862	21,739	72.6	1,135	32,736			
Zone - 096			Zn Tot/Ave	0	0.0	0	0.0	739	9,862	21,739	72.6	1,135	32,736
Zone - 096			Zn Block	0	0.0	0	0.0	739	9,862	21,739	72.6	1,135	32,736
1W-P-N-CN	0	0.0	0	0.0	10	133	292	72.6	15	863			
Zone - 097			Zn Tot/Ave	0	0.0	0	0.0	10	133	292	72.6	15	863
Zone - 097			Zn Block	0	0.0	0	0.0	10	133	292	72.6	15	863
1W-P-N-S	0	0.0	0	0.0	10	133	292	72.6	15	863			
Zone - 098			Zn Tot/Ave	0	0.0	0	0.0	10	133	292	72.6	15	863
Zone - 098			Zn Block	0	0.0	0	0.0	10	133	292	72.6	15	863
1W-P-N-OO	0	0.0	0	0.0	30	398	876	72.6	46	2,590			
Zone - 099			Zn Tot/Ave	0	0.0	0	0.0	30	398	876	72.6	46	2,590
Zone - 099			Zn Block	0	0.0	0	0.0	30	398	876	72.6	46	2,590
1W-P-N-M	0	0.0	0	0.0	10	133	292	72.6	15	863			
Zone - 100			Zn Tot/Ave	0	0.0	0	0.0	10	133	292	72.6	15	863
Zone - 100			Zn Block	0	0.0	0	0.0	10	133	292	72.6	15	863
1W-P-N-L	0	0.0	0	0.0	248	3,313	7,303	72.6	381	12,056			
Zone - 101			Zn Tot/Ave	0	0.0	0	0.0	248	3,313	7,303	72.6	381	12,056
Zone - 101			Zn Block	0	0.0	0	0.0	248	3,313	7,303	72.6	381	12,056
1W-P-N-R	0	0.0	0	0.0	15	199	438	72.6	23	1,295			
Zone - 102			Zn Tot/Ave	0	0.0	0	0.0	15	199	438	72.6	23	1,295
Zone - 102			Zn Block	0	0.0	0	0.0	15	199	438	72.6	23	1,295
1W-P-NW-CN	0	0.0	0	0.0	9	65	51	72.4	10	2,876			
Zone - 103			Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 103			Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
1W-P-NW-S	0	0.0	0	0.0	9	65	51	72.4	10	2,876			
Zone - 104			Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 104			Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
1W-P-NW-OO	0	0.0	0	0.0	28	196	154	72.4	30	8,626			
Zone - 105			Zn Tot/Ave	0	0.0	0	0.0	28	196	154	72.4	30	8,626
Zone - 105			Zn Block	0	0.0	0	0.0	28	196	154	72.4	30	8,626

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
2- 2E-I-CN	0	0.0	0	0.0	295	3,945	8,695	72.6	454	13,095	
Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	295	3,945	8,695	72.6	454	13,095
Zone - 106	Zn Block	0	0.0	0	0.0	295	3,945	8,695	72.6	454	13,095
2- 2W-P-SW-CN	0	0.0	0	0.0	11	44	6	72.4	11	4,320	
Zone - 107	Zn Tot/Ave	0	0.0	0	0.0	11	44	6	72.4	11	4,320
Zone - 107	Zn Block	0	0.0	0	0.0	11	44	6	72.4	11	4,320
2- 2W-P-NW-OO	0	0.0	0	0.0	71	489	386	72.4	76	21,560	
Zone - 108	Zn Tot/Ave	0	0.0	0	0.0	71	489	386	72.4	76	21,560
Zone - 108	Zn Block	0	0.0	0	0.0	71	489	386	72.4	76	21,560
2- 2W-P-SW-PO	0	0.0	0	0.0	21	88	11	72.4	22	8,640	
Zone - 109	Zn Tot/Ave	0	0.0	0	0.0	21	88	11	72.4	22	8,640
Zone - 109	Zn Block	0	0.0	0	0.0	21	88	11	72.4	22	8,640
2- 2W-P-NW-CR	0	0.0	0	0.0	9	65	51	72.4	10	2,876	
Zone - 110	Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 110	Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
2- 2W-P-NW-PO	0	0.0	0	0.0	9	65	51	72.4	10	2,876	
Zone - 111	Zn Tot/Ave	0	0.0	0	0.0	9	65	51	72.4	10	2,876
Zone - 111	Zn Block	0	0.0	0	0.0	9	65	51	72.4	10	2,876
2- 2W-P-NW-CN	0	0.0	0	0.0	5	33	26	72.4	5	1,436	
Zone - 112	Zn Tot/Ave	0	0.0	0	0.0	5	33	26	72.4	5	1,436
Zone - 112	Zn Block	0	0.0	0	0.0	5	33	26	72.4	5	1,436
1W-I-M	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622	
Zone - 113	Zn Tot/Ave	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
Zone - 113	Zn Block	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
1W-I-OO	0	0.0	0	0.0	177	2,369	5,223	72.6	273	7,865	
Zone - 114	Zn Tot/Ave	0	0.0	0	0.0	177	2,369	5,223	72.6	273	7,865
Zone - 114	Zn Block	0	0.0	0	0.0	177	2,369	5,223	72.6	273	7,865
1W-I-S	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622	
Zone - 115	Zn Tot/Ave	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
Zone - 115	Zn Block	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
1W-I-CN	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622	
Zone - 116	Zn Tot/Ave	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
Zone - 116	Zn Block	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
1E-P-NW-R	0	0.0	0	0.0	68	669	539	72.4	81	17,638	
Zone - 117	Zn Tot/Ave	0	0.0	0	0.0	68	669	539	72.4	81	17,638
Zone - 117	Zn Block	0	0.0	0	0.0	68	669	539	72.4	81	17,638
1E-P-NW-L	0	0.0	0	0.0	114	1,116	898	72.4	136	29,396	
Zone - 118	Zn Tot/Ave	0	0.0	0	0.0	114	1,116	898	72.4	136	29,396
Zone - 118	Zn Block	0	0.0	0	0.0	114	1,116	898	72.4	136	29,396

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
1E-P-NW-M	0	0.0	0	0.0	46	447	359	72.4	54	11,759	
Zone - 119			Zn Tot/Ave	0	0.0	46	447	359	72.4	54	11,759
Zone - 119			Zn Block	0	0.0	46	447	359	72.4	54	11,759
1E-P-NW-OO	0	0.0	0	0.0	137	1,339	1,078	72.4	163	35,276	
Zone - 120			Zn Tot/Ave	0	0.0	137	1,339	1,078	72.4	163	35,276
Zone - 120			Zn Block	0	0.0	137	1,339	1,078	72.4	163	35,276
2- 2W-P-S-PO	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047	
Zone - 121			Zn Tot/Ave	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 121			Zn Block	0	0.0	10	-93	-125	72.2	6	5,047
2- 2W-P-SW-CR	0	0.0	0	0.0	21	88	11	72.4	22	8,640	
Zone - 122			Zn Tot/Ave	0	0.0	21	88	11	72.4	22	8,640
Zone - 122			Zn Block	0	0.0	21	88	11	72.4	22	8,640
2- 2W-P-SW-OO	0	0.0	0	0.0	161	661	86	72.4	168	64,807	
Zone - 123			Zn Tot/Ave	0	0.0	161	661	86	72.4	168	64,807
Zone - 123			Zn Block	0	0.0	161	661	86	72.4	168	64,807
2- 2W-P-N-OO	0	0.0	0	0.0	74	994	2,191	72.6	114	6,474	
Zone - 124			Zn Tot/Ave	0	0.0	74	994	2,191	72.6	114	6,474
Zone - 124			Zn Block	0	0.0	74	994	2,191	72.6	114	6,474
2- 2W-P-N-CN	0	0.0	0	0.0	5	66	146	72.6	8	432	
Zone - 125			Zn Tot/Ave	0	0.0	5	66	146	72.6	8	432
Zone - 125			Zn Block	0	0.0	5	66	146	72.6	8	432
2- 2W-P-N-CR	0	0.0	0	0.0	10	133	292	72.6	15	863	
Zone - 126			Zn Tot/Ave	0	0.0	10	133	292	72.6	15	863
Zone - 126			Zn Block	0	0.0	10	133	292	72.6	15	863
2- 2W-P-N-PO	0	0.0	0	0.0	10	133	292	72.6	15	863	
Zone - 127			Zn Tot/Ave	0	0.0	10	133	292	72.6	15	863
Zone - 127			Zn Block	0	0.0	10	133	292	72.6	15	863
3- 3E-I-OO	0	0.0	0	0.0	739	9,862	21,739	72.6	1,135	48,689	
Zone - 128			Zn Tot/Ave	0	0.0	739	9,862	21,739	72.6	1,135	48,689
Zone - 128			Zn Block	0	0.0	739	9,862	21,739	72.6	1,135	48,689
3- 3E-I-CR	0	0.0	0	0.0	148	1,972	4,348	72.6	227	9,738	
Zone - 129			Zn Tot/Ave	0	0.0	148	1,972	4,348	72.6	227	9,738
Zone - 129			Zn Block	0	0.0	148	1,972	4,348	72.6	227	9,738
3- 3E-I-CN	0	0.0	0	0.0	295	3,945	8,695	72.6	454	19,476	
Zone - 130			Zn Tot/Ave	0	0.0	295	3,945	8,695	72.6	454	19,476
Zone - 130			Zn Block	0	0.0	295	3,945	8,695	72.6	454	19,476
3- 3E-I-SM	0	0.0	0	0.0	295	3,945	8,695	72.6	454	19,476	
Zone - 131			Zn Tot/Ave	0	0.0	295	3,945	8,695	72.6	454	19,476
Zone - 131			Zn Block	0	0.0	295	3,945	8,695	72.6	454	19,476

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
3- 3W-I-OO	0	0.0	0	0.0	296	3,949	8,705	72.6	455	13,108
Zone - 132										
Zn Tot/Ave	0	0.0	0	0.0	296	3,949	8,705	72.6	455	13,108
Zn Block	0	0.0	0	0.0	296	3,949	8,705	72.6	455	13,108
3- 3W-I-CR	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
Zone - 133										
Zn Tot/Ave	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
Zn Block	0	0.0	0	0.0	59	790	1,741	72.6	91	2,622
3- 3W-I-CN	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
Zone - 134										
Zn Tot/Ave	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
Zn Block	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
3- 3W-I-SM	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
Zone - 135										
Zn Tot/Ave	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
Zn Block	0	0.0	0	0.0	118	1,580	3,482	72.6	182	5,243
3- 3E-P-NW-OO	0	0.0	0	0.0	342	3,347	2,694	72.4	407	93,652
Zone - 136										
Zn Tot/Ave	0	0.0	0	0.0	342	3,347	2,694	72.4	407	93,652
Zn Block	0	0.0	0	0.0	342	3,347	2,694	72.4	407	93,652
3- 3E-P-NW-CN	0	0.0	0	0.0	23	223	180	72.4	27	6,243
Zone - 137										
Zn Tot/Ave	0	0.0	0	0.0	23	223	180	72.4	27	6,243
Zn Block	0	0.0	0	0.0	23	223	180	72.4	27	6,243
3- 3E-P-NW-CR	0	0.0	0	0.0	46	446	359	72.4	54	12,487
Zone - 138										
Zn Tot/Ave	0	0.0	0	0.0	46	446	359	72.4	54	12,487
Zn Block	0	0.0	0	0.0	46	446	359	72.4	54	12,487
3- 3E-P-NW-PO	0	0.0	0	0.0	46	446	359	72.4	54	12,487
Zone - 139										
Zn Tot/Ave	0	0.0	0	0.0	46	446	359	72.4	54	12,487
Zn Block	0	0.0	0	0.0	46	446	359	72.4	54	12,487
3- 3E-P-NE-CR	0	0.0	0	0.0	13	-129	-51	72.1	2	4,295
Zone - 140										
Zn Tot/Ave	0	0.0	0	0.0	13	-129	-51	72.1	2	4,295
Zn Block	0	0.0	0	0.0	13	-129	-51	72.1	2	4,295
3- 3E-P-NE-OO	0	0.0	0	0.0	99	-970	-384	72.1	17	32,194
Zone - 141										
Zn Tot/Ave	0	0.0	0	0.0	99	-970	-384	72.1	17	32,194
Zn Block	0	0.0	0	0.0	99	-970	-384	72.1	17	32,194
3- 3E-P-NE-CN	0	0.0	0	0.0	7	-65	-26	72.1	1	2,148
Zone - 142										
Zn Tot/Ave	0	0.0	0	0.0	7	-65	-26	72.1	1	2,148
Zn Block	0	0.0	0	0.0	7	-65	-26	72.1	1	2,148
3- 3E-P-SE-OO	0	0.0	0	0.0	262	-2,798	-1,400	72.1	70	89,111
Zone - 143										
Zn Tot/Ave	0	0.0	0	0.0	262	-2,798	-1,400	72.1	70	89,111
Zn Block	0	0.0	0	0.0	262	-2,798	-1,400	72.1	70	89,111
3- 3E-P-NE-PO	0	0.0	0	0.0	13	-129	-51	72.1	2	4,295
Zone - 144										
Zn Tot/Ave	0	0.0	0	0.0	13	-129	-51	72.1	2	4,295
Zn Block	0	0.0	0	0.0	13	-129	-51	72.1	2	4,295



# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
3- 3E-P-SE-CR	0	0.0	0	0.0	35	-373	-187	72.1	9	11,881
Zone - 145										
Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,881
Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,881
3- 3E-P-SE-PO	0	0.0	0	0.0	35	-373	-187	72.1	9	11,881
Zone - 146										
Zn Tot/Ave	0	0.0	0	0.0	35	-373	-187	72.1	9	11,881
Zn Block	0	0.0	0	0.0	35	-373	-187	72.1	9	11,881
3- 3E-P-SE-CN	0	0.0	0	0.0	17	-187	-93	72.1	5	5,943
Zone - 147										
Zn Tot/Ave	0	0.0	0	0.0	17	-187	-93	72.1	5	5,943
Zn Block	0	0.0	0	0.0	17	-187	-93	72.1	5	5,943
3- 3W-P-S-CR	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 148										
Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
3- 3W-P-S-OO	0	0.0	0	0.0	77	-699	-934	72.2	42	37,855
Zone - 149										
Zn Tot/Ave	0	0.0	0	0.0	77	-699	-934	72.2	42	37,855
Zn Block	0	0.0	0	0.0	77	-699	-934	72.2	42	37,855
3- 3W-P-S-CN	0	0.0	0	0.0	5	-47	-62	72.2	3	2,524
Zone - 150										
Zn Tot/Ave	0	0.0	0	0.0	5	-47	-62	72.2	3	2,524
Zn Block	0	0.0	0	0.0	5	-47	-62	72.2	3	2,524
3- 3W-P-S-PO	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zone - 151										
Zn Tot/Ave	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
Zn Block	0	0.0	0	0.0	10	-93	-125	72.2	6	5,047
3- 3W-P-SW-CR	0	0.0	0	0.0	21	88	11	72.4	22	8,640
Zone - 152										
Zn Tot/Ave	0	0.0	0	0.0	21	88	11	72.4	22	8,640
Zn Block	0	0.0	0	0.0	21	88	11	72.4	22	8,640
3- 3W-P-SW-OO	0	0.0	0	0.0	161	661	86	72.4	168	64,807
Zone - 153										
Zn Tot/Ave	0	0.0	0	0.0	161	661	86	72.4	168	64,807
Zn Block	0	0.0	0	0.0	161	661	86	72.4	168	64,807
<b>AHUs vav w/ rh</b>										
Sys Tot/Ave	0	0.0	0	0.0	14,213	131,402	288,601	72.5	18,521	2,002,207
Sys Block	0	0.0	0	0.0	14,213	161,173	404,335	72.4	16,885	1,443,842

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
4- 4W-P-NW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-NW-MS			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-SW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-SW-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-SW-MS			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-S-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-S-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-M			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-S			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 011	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 011	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uftr Plen °F	Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	1E-I-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 012	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 012	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 014	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 014	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 015	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 015	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 016	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 016	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 017	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 017	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 018	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 018	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 019	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 019	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-S-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 020	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 020	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 021	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 021	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 022	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 022	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-P-SE-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 023	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 023	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	UNDER FLOOR	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uftr Plen °F	Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
1E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 024	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 024	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-SE-R		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 025	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 025	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-SE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 026	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 026	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 027	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 027	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NE-S		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 028	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 028	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 029	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 029	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 030	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 030	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NE-M		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 031	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 031	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 032	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 032	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NE-R		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 033	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 033	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-S		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 034	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 034	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-N-MS		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature Entering Ufir Plen °F	--- Supply Temperature Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 035	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 035	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 036	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 036	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 037	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 037	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-I-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 038	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 038	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 039	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 039	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	IE-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 040	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 040	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 041	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 041	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 042	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 042	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 043	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 043	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 044	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 044	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-P-S-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 045	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 045	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 046	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 046	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 057	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 057	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	4-	4W-I-MS	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 058	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 058	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4W-I-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 059	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 059	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NW-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 060	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 060	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NW-MS	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 061	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 061	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-W-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 062	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 062	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NE-MS	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 063	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 063	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NE-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 064	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 064	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NE-00	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 065	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 065	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	3-	3W-P-N-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 066	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 066	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	3-	3W-P-N-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 067	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 067	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	3-	3W-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 068	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 068	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
	Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System Zone Room										
3- 3W-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 069	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 069	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
3- 3W-P-SW-PO		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 070	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 070	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
3- 3W-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 071	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 071	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
3- 3W-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 072	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 072	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
3- 3W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 073	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 073	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2W-P-S-OO		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 074	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 074	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2W-P-S-CN		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 075	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 075	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 076	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 076	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2E-P-SE-PO		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 077	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 077	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2W-P-S-CR		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 078	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 078	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2E-P-SE-CR		0	0	0.0	0.0	0.0	0	0	0	0
Zone - 079	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0
Zone - 079	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0
2- 2E-P-NE-PO		0	0	0.0	0.0	0.0	0	0	0	0



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 080	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 080	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NE-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 091	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES						
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h		
System	Zone Room												
	Zone - 091	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	2- 2E-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 092	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 092	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-NW-M		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 093	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 093	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	2- 2E-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 094	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 094	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	2- 2W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 095	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 095	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	2- 2E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 096	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 096	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-N-CN		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 097	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 097	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-N-S		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 098	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 098	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-N-OO		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 099	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 099	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-N-M		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 100	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 100	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 101	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 101	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	1W-P-N-R		0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 102	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0	0
	Zone - 102	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uftr Plen °F	--- Supply Temperature Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
	1W-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 103	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 103	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-NW-S	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 104	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 104	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 105	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 105	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2E-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 106	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 106	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-P-SW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 107	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 107	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 108	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 108	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-P-SW-PO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 109	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 109	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 110	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 110	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 111	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 111	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	2- 2W-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 112	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 112	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-I-M	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 113	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 113	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	UNDER FLOOR	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uftr Plen °F	--- Supply Temperature Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
1W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 114	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 114	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-I-S		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 115	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 115	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 116	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 116	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 117	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 117	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 118	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 118	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-M		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 119	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 119	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 120	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 120	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-S-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 121	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 121	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-SW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 122	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 122	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-SW-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 123	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 123	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-N-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 124	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 124	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-N-CN		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 125	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 125	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 126	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 126	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 127	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 127	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 128	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 128	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 129	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 129	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 130	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 130	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 131	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 131	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 132	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 132	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 133	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 133	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 134	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 134	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 135	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 135	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 136	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	Zone - 136	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 137	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 137	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 138	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 138	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 139	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 139	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 140	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 140	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 141	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 141	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 142	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 142	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 143	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 143	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 144	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 144	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 145	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 145	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 146	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 146	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 147	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 147	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature Entering Ufir Plen °F	--- Supply Temperature Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
	3- 3W-P-S-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 148	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 148	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-S-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 149	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 149	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-S-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 150	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 150	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-S-PO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 151	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 151	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-SW-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 152	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 152	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-SW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 153	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 153	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
AHUs vav w/ rh	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
AHUs vav w/ rh	Sys Block	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

### Alternative 2

System Zone Room	WALL				WINDOW							
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
4- 4W-P-NW-OO	532	98.5	1,201	99.2	15,442	0	0.931	927	7.4	0	0.0	
Zone - 001												
Zone - 001												
4- 4W-P-NW-MS	71	98.5	160	99.2	2,060	0	0.931	124	7.4	0	0.0	
Zone - 002												
Zone - 002												
4- 4W-P-SW-OO	1,482	143.4	2,429	143.9	48,552	0	0.951	862	3.1	0	0.0	
Zone - 003												
Zone - 003												
4- 4W-P-SW-L	296	143.4	486	143.9	9,709	0	0.951	172	3.1	0	0.0	
Zone - 004												
Zone - 004												
4- 4W-P-SW-MS	198	143.4	324	143.9	6,473	0	0.951	115	3.1	0	0.0	
Zone - 005												
Zone - 005												
4- 4W-P-S-OO	665	129.7	278	130.0	33,411	0	0.973	-1,758	-9.7	0	0.0	
Zone - 006												
Zone - 006												
4- 4W-P-S-L	133	129.7	56	130.0	6,685	0	0.973	-352	-9.7	0	0.0	
Zone - 007												
Zone - 007												
1W-P-SW-M	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0	
Zone - 008												
Zone - 008												
1W-P-SW-OO	540	130.5	885	131.1	20,233	0	0.991	383	3.4	0	0.0	
Zone - 009												
Zone - 009												
1W-P-SW-S	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0	
Zone - 010												
Zone - 010												
1W-P-SW-L	450	130.5	738	131.1	16,861	0	0.991	319	3.4	0	0.0	
Zone - 011												
Zone - 011												



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD	
	Btu/h	°F	Btu/h	°F	Btu/h	Btu/h		Btu/h	°F	Btu/h	°F	
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 012	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 012	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-SW-R	270	130.5	443	131.1	10,116	0	0.991	191	3.4	0	0.0	
Zone - 014	Zn Tot/Ave	270	130.5	443	131.1	10,116	0	0.991	191	3.4	0	0.0
Zone - 014	Zn Block	270	130.5	443	131.1	10,116	0	0.991	191	3.4	0	0.0
1W-P-S-CN	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0	
Zone - 015	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
Zone - 015	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
1W-P-S-S	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0	
Zone - 016	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
Zone - 016	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
1W-P-S-M	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0	
Zone - 017	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
Zone - 017	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
1W-P-S-OO	284	138.5	119	138.8	13,401	0	0.976	-634	-8.8	0	0.0	
Zone - 018	Zn Tot/Ave	284	138.5	119	138.8	13,401	0	0.976	-634	-8.8	0	0.0
Zone - 018	Zn Block	284	138.5	119	138.8	13,401	0	0.976	-634	-8.8	0	0.0
1W-P-S-L	237	138.5	99	138.8	11,170	0	0.976	-529	-8.8	0	0.0	
Zone - 019	Zn Tot/Ave	237	138.5	99	138.8	11,170	0	0.976	-529	-8.8	0	0.0
Zone - 019	Zn Block	237	138.5	99	138.8	11,170	0	0.976	-529	-8.8	0	0.0
1W-P-S-R	142	138.5	59	138.8	6,704	0	0.976	-317	-8.8	0	0.0	
Zone - 020	Zn Tot/Ave	142	138.5	59	138.8	6,704	0	0.976	-317	-8.8	0	0.0
Zone - 020	Zn Block	142	138.5	59	138.8	6,704	0	0.976	-317	-8.8	0	0.0
1E-P-SE-CN	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0	
Zone - 021	Zn Tot/Ave	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 021	Zn Block	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
1E-P-SE-S	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0	
Zone - 022	Zn Tot/Ave	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 022	Zn Block	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
1E-P-SE-M	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0	
Zone - 023	Zn Tot/Ave	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 023	Zn Block	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
1E-P-SE-OO	604	96.8	904	96.8	31,539	0	0.998	-1,829	-10.4	0	0.0	
Zone - 024	Zn Tot/Ave	604	96.8	904	96.8	31,539	0	0.998	-1,829	-10.4	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
Zone - 024	Zn Block	604	96.8	904	96.8	31,539	0	0.998	-1,829	-10.4	0	0.0
1E-P-SE-R		302	96.8	452	96.8	15,772	0	0.998	-915	-10.4	0	0.0
Zone - 025	Zn Tot/Ave	302	96.8	452	96.8	15,772	0	0.998	-915	-10.4	0	0.0
Zone - 025	Zn Block	302	96.8	452	96.8	15,772	0	0.998	-915	-10.4	0	0.0
1E-P-SE-L		503	96.8	754	96.8	26,285	0	0.998	-1,525	-10.4	0	0.0
Zone - 026	Zn Tot/Ave	503	96.8	754	96.8	26,285	0	0.998	-1,525	-10.4	0	0.0
Zone - 026	Zn Block	503	96.8	754	96.8	26,285	0	0.998	-1,525	-10.4	0	0.0
1E-P-NE-CN		50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 027	Zn Tot/Ave	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 027	Zn Block	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
1E-P-NE-S		50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 028	Zn Tot/Ave	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 028	Zn Block	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
1E-P-NE-OO		149	54.1	112	54.2	11,019	0	0.971	-344	-3.8	0	0.0
Zone - 029	Zn Tot/Ave	149	54.1	112	54.2	11,019	0	0.971	-344	-3.8	0	0.0
Zone - 029	Zn Block	149	54.1	112	54.2	11,019	0	0.971	-344	-3.8	0	0.0
1E-P-NE-L		124	54.1	94	54.2	9,182	0	0.971	-287	-3.8	0	0.0
Zone - 030	Zn Tot/Ave	124	54.1	94	54.2	9,182	0	0.971	-287	-3.8	0	0.0
Zone - 030	Zn Block	124	54.1	94	54.2	9,182	0	0.971	-287	-3.8	0	0.0
1E-P-NE-M		50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 031	Zn Tot/Ave	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 031	Zn Block	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
1E-P-NW-CN		216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
Zone - 032	Zn Tot/Ave	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
Zone - 032	Zn Block	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
1E-P-NE-R		114	83.0	87	83.7	5,538	0	0.924	412	9.1	0	0.0
Zone - 033	Zn Tot/Ave	114	83.0	87	83.7	5,538	0	0.924	412	9.1	0	0.0
Zone - 033	Zn Block	114	83.0	87	83.7	5,538	0	0.924	412	9.1	0	0.0
1E-P-NW-S		216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
Zone - 034	Zn Tot/Ave	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
Zone - 034	Zn Block	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
4- 4W-P-N-MS		17	34.7	53	35.5	236	0	0.930	98	11.2	0	0.0
Zone - 035	Zn Tot/Ave	17	34.7	53	35.5	236	0	0.930	98	11.2	0	0.0
Zone - 035	Zn Block	17	34.7	53	35.5	236	0	0.930	98	11.2	0	0.0
4- 4W-P-NW-L		106	98.5	240	99.2	3,089	0	0.931	186	7.4	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 036	Zn Tot/Ave	106	98.5	240	99.2	3,089	0	0.931	186	7.4	0	0.0
	Zone - 036	Zn Block	106	98.5	240	99.2	3,089	0	0.931	186	7.4	0	0.0
4-	4W-P-N-L		25	34.7	79	35.5	355	0	0.930	147	11.2	0	0.0
	Zone - 037	Zn Tot/Ave	25	34.7	79	35.5	355	0	0.930	147	11.2	0	0.0
	Zone - 037	Zn Block	25	34.7	79	35.5	355	0	0.930	147	11.2	0	0.0
1W-I-R			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 038	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-L			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 039	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
IE-I-CN			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 040	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-OO			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 041	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 041	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-S			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 042	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 042	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-R			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 043	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 043	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-L			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 044	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 044	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4-	4W-P-S-MS		89	129.7	37	130.0	4,454	0	0.973	-234	-9.7	0	0.0
	Zone - 045	Zn Tot/Ave	89	129.7	37	130.0	4,454	0	0.973	-234	-9.7	0	0.0
	Zone - 045	Zn Block	89	129.7	37	130.0	4,454	0	0.973	-234	-9.7	0	0.0
4-	4E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 046	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 046	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-SW-CN			180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
	Zone - 047	Zn Tot/Ave	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
	Zone - 047	Zn Block	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	WALL				WINDOW									
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F			
1W-P-NW-R	90	83.0	203	83.7	3,066	0	0.924	228	9.1	0	0.0			
Zone - 048			Zn Tot/Ave	90	83.0	203	83.7	3,066	0	0.924	228	9.1	0	0.0
Zone - 048			Zn Block	90	83.0	203	83.7	3,066	0	0.924	228	9.1	0	0.0
1W-P-NW-L	150	83.0	338	83.7	5,108	0	0.924	380	9.1	0	0.0			
Zone - 049			Zn Tot/Ave	150	83.0	338	83.7	5,108	0	0.924	380	9.1	0	0.0
Zone - 049			Zn Block	150	83.0	338	83.7	5,108	0	0.924	380	9.1	0	0.0
4- 4E-P-SE-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 050			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 050			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
4- 4E-P-SE-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 051			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 051			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
3- 3W-P-N-CR	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0			
Zone - 052			Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
Zone - 052			Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
3- 3W-P-N-PO	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0			
Zone - 053			Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
Zone - 053			Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
4- 4E-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 054			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 054			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
4- 4E-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 055			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 055			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
4- 4E-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 056			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 056			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
4- 4W-I-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 057			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 057			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
4- 4W-I-MS	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 058			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
Zone - 058			Zn Block	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0
4- 4W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0			
Zone - 059			Zn Tot/Ave	0	0.0	0	0.0	0	0.0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar CLF	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 059	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN		9	35.6	27	36.3	114	0	0.900	50	11.6	0	0.0
Zone - 066	Zn Tot/Ave	9	35.6	27	36.3	114	0	0.900	50	11.6	0	0.0
Zone - 066	Zn Block	9	35.6	27	36.3	114	0	0.900	50	11.6	0	0.0
3- 3W-P-N-OO		130	35.6	406	36.3	1,715	0	0.900	757	11.6	0	0.0
Zone - 067	Zn Tot/Ave	130	35.6	406	36.3	1,715	0	0.900	757	11.6	0	0.0
Zone - 067	Zn Block	130	35.6	406	36.3	1,715	0	0.900	757	11.6	0	0.0
3- 3W-P-NW-CN		30	83.0	68	83.7	1,021	0	0.924	76	9.1	0	0.0
Zone - 068	Zn Tot/Ave	30	83.0	68	83.7	1,021	0	0.924	76	9.1	0	0.0
Zone - 068	Zn Block	30	83.0	68	83.7	1,021	0	0.924	76	9.1	0	0.0
3- 3W-P-NW-CR		60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 069	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 069	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
3- 3W-P-SW-PO		180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
Zone - 070	Zn Tot/Ave	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
Zone - 070	Zn Block	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
3- 3W-P-NW-PO		60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

		WALL				WINDOW						
		Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
System Zone Room												
Zone - 071	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 071	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
3- 3W-P-NW-OO		449	83.0	1,014	83.7	15,326	0	0.924	1,140	9.1	0	0.0
Zone - 072	Zn Tot/Ave	449	83.0	1,014	83.7	15,326	0	0.924	1,140	9.1	0	0.0
Zone - 072	Zn Block	449	83.0	1,014	83.7	15,326	0	0.924	1,140	9.1	0	0.0
3- 3W-P-SW-CN		90	130.5	148	131.1	3,372	0	0.991	64	3.4	0	0.0
Zone - 073	Zn Tot/Ave	90	130.5	148	131.1	3,372	0	0.991	64	3.4	0	0.0
Zone - 073	Zn Block	90	130.5	148	131.1	3,372	0	0.991	64	3.4	0	0.0
2- 2W-P-S-OO		710	138.5	297	138.8	33,501	0	0.976	-1,585	-8.8	0	0.0
Zone - 074	Zn Tot/Ave	710	138.5	297	138.8	33,501	0	0.976	-1,585	-8.8	0	0.0
Zone - 074	Zn Block	710	138.5	297	138.8	33,501	0	0.976	-1,585	-8.8	0	0.0
2- 2W-P-S-CN		47	138.5	20	138.8	2,233	0	0.976	-106	-8.8	0	0.0
Zone - 075	Zn Tot/Ave	47	138.5	20	138.8	2,233	0	0.976	-106	-8.8	0	0.0
Zone - 075	Zn Block	47	138.5	20	138.8	2,233	0	0.976	-106	-8.8	0	0.0
2- 2E-P-SE-CN		101	96.8	151	96.8	5,259	0	0.998	-305	-10.4	0	0.0
Zone - 076	Zn Tot/Ave	101	96.8	151	96.8	5,259	0	0.998	-305	-10.4	0	0.0
Zone - 076	Zn Block	101	96.8	151	96.8	5,259	0	0.998	-305	-10.4	0	0.0
2- 2E-P-SE-PO		201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 077	Zn Tot/Ave	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 077	Zn Block	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
2- 2W-P-S-CR		95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
Zone - 078	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
Zone - 078	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
2- 2E-P-SE-CR		201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 079	Zn Tot/Ave	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
Zone - 079	Zn Block	201	96.8	301	96.8	10,513	0	0.998	-610	-10.4	0	0.0
2- 2E-P-NE-PO		50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 080	Zn Tot/Ave	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 080	Zn Block	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
2- 2E-P-SE-OO		1,510	96.8	2,261	96.8	78,850	0	0.998	-4,574	-10.4	0	0.0
Zone - 081	Zn Tot/Ave	1,510	96.8	2,261	96.8	78,850	0	0.998	-4,574	-10.4	0	0.0
Zone - 081	Zn Block	1,510	96.8	2,261	96.8	78,850	0	0.998	-4,574	-10.4	0	0.0
2- 2E-P-NE-OO		372	54.1	281	54.2	27,541	0	0.971	-860	-3.8	0	0.0
Zone - 082	Zn Tot/Ave	372	54.1	281	54.2	27,541	0	0.971	-860	-3.8	0	0.0
Zone - 082	Zn Block	372	54.1	281	54.2	27,541	0	0.971	-860	-3.8	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	WALL				WINDOW							
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F	
2- 2E-P-NE-CR	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0	
Zone - 083												
Zone - 083	Zn Tot/Ave	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
Zone - 083	Zn Block	50	54.1	37	54.2	3,674	0	0.971	-115	-3.8	0	0.0
2- 2E-P-NW-PO	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0	
Zone - 084												
Zone - 084	Zn Tot/Ave	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
Zone - 084	Zn Block	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
2- 2E-P-NW-CR	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0	
Zone - 085												
Zone - 085	Zn Tot/Ave	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
Zone - 085	Zn Block	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
2- 2E-P-NE-CN	25	54.1	19	54.2	1,837	0	0.971	-57	-3.8	0	0.0	
Zone - 086												
Zone - 086	Zn Tot/Ave	25	54.1	19	54.2	1,837	0	0.971	-57	-3.8	0	0.0
Zone - 086	Zn Block	25	54.1	19	54.2	1,837	0	0.971	-57	-3.8	0	0.0
2- 2E-P-NW-CN	108	83.0	200	83.7	4,110	0	0.924	306	9.1	0	0.0	
Zone - 087												
Zone - 087	Zn Tot/Ave	108	83.0	200	83.7	4,110	0	0.924	306	9.1	0	0.0
Zone - 087	Zn Block	108	83.0	200	83.7	4,110	0	0.924	306	9.1	0	0.0
2- 2E-P-NW-OO	1,619	83.0	2,995	83.7	61,656	0	0.924	4,586	9.1	0	0.0	
Zone - 088												
Zone - 088	Zn Tot/Ave	1,619	83.0	2,995	83.7	61,656	0	0.924	4,586	9.1	0	0.0
Zone - 088	Zn Block	1,619	83.0	2,995	83.7	61,656	0	0.924	4,586	9.1	0	0.0
2- 2W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 089												
Zone - 089	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 089	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 090												
Zone - 090	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 090	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 091												
Zone - 091	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 091	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 092												
Zone - 092	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 092	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-M	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0	
Zone - 093												
Zone - 093	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 093	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
2- 2E-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 094												
Zone - 094	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 094	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2-	2W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 095	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 095	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2-	2E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 096	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 096	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN			17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 097	Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 097	Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
1W-P-N-S			17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 098	Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 098	Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
1W-P-N-OO			52	35.6	162	36.3	686	0	0.900	303	11.6	0	0.0
	Zone - 099	Zn Tot/Ave	52	35.6	162	36.3	686	0	0.900	303	11.6	0	0.0
	Zone - 099	Zn Block	52	35.6	162	36.3	686	0	0.900	303	11.6	0	0.0
1W-P-N-M			17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 100	Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 100	Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
1W-P-N-L			43	35.6	135	36.3	572	0	0.900	252	11.6	0	0.0
	Zone - 101	Zn Tot/Ave	43	35.6	135	36.3	572	0	0.900	252	11.6	0	0.0
	Zone - 101	Zn Block	43	35.6	135	36.3	572	0	0.900	252	11.6	0	0.0
1W-P-N-R			26	35.6	81	36.3	343	0	0.900	151	11.6	0	0.0
	Zone - 102	Zn Tot/Ave	26	35.6	81	36.3	343	0	0.900	151	11.6	0	0.0
	Zone - 102	Zn Block	26	35.6	81	36.3	343	0	0.900	151	11.6	0	0.0
1W-P-NW-CN			60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
	Zone - 103	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
	Zone - 103	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
1W-P-NW-S			60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
	Zone - 104	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
	Zone - 104	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
1W-P-NW-OO			180	83.0	406	83.7	6,132	0	0.924	456	9.1	0	0.0
	Zone - 105	Zn Tot/Ave	180	83.0	406	83.7	6,132	0	0.924	456	9.1	0	0.0
	Zone - 105	Zn Block	180	83.0	406	83.7	6,132	0	0.924	456	9.1	0	0.0
2-	2E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		WALL				WINDOW						
		Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CN		90	130.5	148	131.1	3,372	0	0.991	64	3.4	0	0.0
Zone - 107	Zn Tot/Ave	90	130.5	148	131.1	3,372	0	0.991	64	3.4	0	0.0
Zone - 107	Zn Block	90	130.5	148	131.1	3,372	0	0.991	64	3.4	0	0.0
2- 2W-P-NW-OO		449	83.0	1,014	83.7	15,326	0	0.924	1,140	9.1	0	0.0
Zone - 108	Zn Tot/Ave	449	83.0	1,014	83.7	15,326	0	0.924	1,140	9.1	0	0.0
Zone - 108	Zn Block	449	83.0	1,014	83.7	15,326	0	0.924	1,140	9.1	0	0.0
2- 2W-P-SW-PO		180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
Zone - 109	Zn Tot/Ave	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
Zone - 109	Zn Block	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
2- 2W-P-NW-CR		60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 110	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 110	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
2- 2W-P-NW-PO		60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 111	Zn Tot/Ave	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
Zone - 111	Zn Block	60	83.0	135	83.7	2,045	0	0.924	152	9.1	0	0.0
2- 2W-P-NW-CN		30	83.0	68	83.7	1,021	0	0.924	76	9.1	0	0.0
Zone - 112	Zn Tot/Ave	30	83.0	68	83.7	1,021	0	0.924	76	9.1	0	0.0
Zone - 112	Zn Block	30	83.0	68	83.7	1,021	0	0.924	76	9.1	0	0.0
1W-I-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 113	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 113	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 114	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 114	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 115	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 115	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 116	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 116	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-R		324	83.0	599	83.7	12,331	0	0.924	917	9.1	0	0.0
Zone - 117	Zn Tot/Ave	324	83.0	599	83.7	12,331	0	0.924	917	9.1	0	0.0
Zone - 117	Zn Block	324	83.0	599	83.7	12,331	0	0.924	917	9.1	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
1E-P-NW-L			540	83.0	998	83.7	20,552	0	0.924	1,529	9.1	0	0.0
	Zone - 118	Zn Tot/Ave	540	83.0	998	83.7	20,552	0	0.924	1,529	9.1	0	0.0
	Zone - 118	Zn Block	540	83.0	998	83.7	20,552	0	0.924	1,529	9.1	0	0.0
1E-P-NW-M			216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
	Zone - 119	Zn Tot/Ave	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
	Zone - 119	Zn Block	216	83.0	399	83.7	8,221	0	0.924	612	9.1	0	0.0
1E-P-NW-OO			648	83.0	1,198	83.7	24,663	0	0.924	1,835	9.1	0	0.0
	Zone - 120	Zn Tot/Ave	648	83.0	1,198	83.7	24,663	0	0.924	1,835	9.1	0	0.0
	Zone - 120	Zn Block	648	83.0	1,198	83.7	24,663	0	0.924	1,835	9.1	0	0.0
2- 2W-P-S-PO			95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
	Zone - 121	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
	Zone - 121	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
2- 2W-P-SW-CR			180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
	Zone - 122	Zn Tot/Ave	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
	Zone - 122	Zn Block	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
2- 2W-P-SW-OO			1,350	130.5	2,213	131.1	50,587	0	0.991	957	3.4	0	0.0
	Zone - 123	Zn Tot/Ave	1,350	130.5	2,213	131.1	50,587	0	0.991	957	3.4	0	0.0
	Zone - 123	Zn Block	1,350	130.5	2,213	131.1	50,587	0	0.991	957	3.4	0	0.0
2- 2W-P-N-OO			130	35.6	406	36.3	1,715	0	0.900	757	11.6	0	0.0
	Zone - 124	Zn Tot/Ave	130	35.6	406	36.3	1,715	0	0.900	757	11.6	0	0.0
	Zone - 124	Zn Block	130	35.6	406	36.3	1,715	0	0.900	757	11.6	0	0.0
2- 2W-P-N-CN			9	35.6	27	36.3	114	0	0.900	50	11.6	0	0.0
	Zone - 125	Zn Tot/Ave	9	35.6	27	36.3	114	0	0.900	50	11.6	0	0.0
	Zone - 125	Zn Block	9	35.6	27	36.3	114	0	0.900	50	11.6	0	0.0
2- 2W-P-N-CR			17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 126	Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 126	Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
2- 2W-P-N-PO			17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 127	Zn Tot/Ave	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
	Zone - 127	Zn Block	17	35.6	54	36.3	229	0	0.900	101	11.6	0	0.0
3- 3E-I-OO			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 128	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 128	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CR			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 129	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 129	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-CN			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 130	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 130	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-I-SM			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 131	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 131	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-OO			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 132	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 132	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CR			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 133	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 133	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-CN			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 134	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 134	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-I-SM			0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 135	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 135	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-OO			1,920	98.5	3,549	99.2	62,120	0	0.931	3,731	7.4	0	0.0
	Zone - 136	Zn Tot/Ave	1,920	98.5	3,549	99.2	62,120	0	0.931	3,731	7.4	0	0.0
	Zone - 136	Zn Block	1,920	98.5	3,549	99.2	62,120	0	0.931	3,731	7.4	0	0.0
3- 3E-P-NW-CN			128	98.5	237	99.2	4,141	0	0.931	249	7.4	0	0.0
	Zone - 137	Zn Tot/Ave	128	98.5	237	99.2	4,141	0	0.931	249	7.4	0	0.0
	Zone - 137	Zn Block	128	98.5	237	99.2	4,141	0	0.931	249	7.4	0	0.0
3- 3E-P-NW-CR			256	98.5	473	99.2	8,283	0	0.931	497	7.4	0	0.0
	Zone - 138	Zn Tot/Ave	256	98.5	473	99.2	8,283	0	0.931	497	7.4	0	0.0
	Zone - 138	Zn Block	256	98.5	473	99.2	8,283	0	0.931	497	7.4	0	0.0
3- 3E-P-NW-PO			256	98.5	473	99.2	8,283	0	0.931	497	7.4	0	0.0
	Zone - 139	Zn Tot/Ave	256	98.5	473	99.2	8,283	0	0.931	497	7.4	0	0.0
	Zone - 139	Zn Block	256	98.5	473	99.2	8,283	0	0.931	497	7.4	0	0.0
3- 3E-P-NE-CR			68	74.3	51	74.4	3,317	0	0.877	-67	-2.2	0	0.0
	Zone - 140	Zn Tot/Ave	68	74.3	51	74.4	3,317	0	0.877	-67	-2.2	0	0.0
	Zone - 140	Zn Block	68	74.3	51	74.4	3,317	0	0.877	-67	-2.2	0	0.0
3- 3E-P-NE-OO			510	74.3	386	74.4	24,865	0	0.877	-505	-2.2	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	WALL				WINDOW						
			Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 141	Zn Tot/Ave	510	74.3	386	74.4	24,865	0	0.877	-505	-2.2	0	0.0
	Zone - 141	Zn Block	510	74.3	386	74.4	24,865	0	0.877	-505	-2.2	0	0.0
3- 3E-P-NE-CN			34	74.3	26	74.4	1,659	0	0.877	-34	-2.2	0	0.0
	Zone - 142	Zn Tot/Ave	34	74.3	26	74.4	1,659	0	0.877	-34	-2.2	0	0.0
	Zone - 142	Zn Block	34	74.3	26	74.4	1,659	0	0.877	-34	-2.2	0	0.0
3- 3E-P-SE-OO			1,827	117.2	2,741	117.3	75,722	0	0.958	-3,392	-7.7	0	0.0
	Zone - 143	Zn Tot/Ave	1,827	117.2	2,741	117.3	75,722	0	0.958	-3,392	-7.7	0	0.0
	Zone - 143	Zn Block	1,827	117.2	2,741	117.3	75,722	0	0.958	-3,392	-7.7	0	0.0
3- 3E-P-NE-PO			68	74.3	51	74.4	3,317	0	0.877	-67	-2.2	0	0.0
	Zone - 144	Zn Tot/Ave	68	74.3	51	74.4	3,317	0	0.877	-67	-2.2	0	0.0
	Zone - 144	Zn Block	68	74.3	51	74.4	3,317	0	0.877	-67	-2.2	0	0.0
3- 3E-P-SE-CR			244	117.2	365	117.3	10,096	0	0.958	-452	-7.7	0	0.0
	Zone - 145	Zn Tot/Ave	244	117.2	365	117.3	10,096	0	0.958	-452	-7.7	0	0.0
	Zone - 145	Zn Block	244	117.2	365	117.3	10,096	0	0.958	-452	-7.7	0	0.0
3- 3E-P-SE-PO			244	117.2	365	117.3	10,096	0	0.958	-452	-7.7	0	0.0
	Zone - 146	Zn Tot/Ave	244	117.2	365	117.3	10,096	0	0.958	-452	-7.7	0	0.0
	Zone - 146	Zn Block	244	117.2	365	117.3	10,096	0	0.958	-452	-7.7	0	0.0
3- 3E-P-SE-CN			122	117.2	183	117.3	5,050	0	0.958	-226	-7.7	0	0.0
	Zone - 147	Zn Tot/Ave	122	117.2	183	117.3	5,050	0	0.958	-226	-7.7	0	0.0
	Zone - 147	Zn Block	122	117.2	183	117.3	5,050	0	0.958	-226	-7.7	0	0.0
3- 3W-P-S-CR			95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
	Zone - 148	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
	Zone - 148	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
3- 3W-P-S-OO			710	138.5	297	138.8	33,501	0	0.976	-1,585	-8.8	0	0.0
	Zone - 149	Zn Tot/Ave	710	138.5	297	138.8	33,501	0	0.976	-1,585	-8.8	0	0.0
	Zone - 149	Zn Block	710	138.5	297	138.8	33,501	0	0.976	-1,585	-8.8	0	0.0
3- 3W-P-S-CN			47	138.5	20	138.8	2,233	0	0.976	-106	-8.8	0	0.0
	Zone - 150	Zn Tot/Ave	47	138.5	20	138.8	2,233	0	0.976	-106	-8.8	0	0.0
	Zone - 150	Zn Block	47	138.5	20	138.8	2,233	0	0.976	-106	-8.8	0	0.0
3- 3W-P-S-PO			95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
	Zone - 151	Zn Tot/Ave	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
	Zone - 151	Zn Block	95	138.5	40	138.8	4,467	0	0.976	-211	-8.8	0	0.0
3- 3W-P-SW-CR			180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
	Zone - 152	Zn Tot/Ave	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0
	Zone - 152	Zn Block	180	130.5	295	131.1	6,744	0	0.991	128	3.4	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

		WALL				WINDOW						
		Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
System Zone Room												
3- 3W-P-SW-OO		1,350	130.5	2,213	131.1	50,587	0	0.991	957	3.4	0	0.0
Zone - 153	Zn Tot/Ave	1,350	130.5	2,213	131.1	50,587	0	0.991	957	3.4	0	0.0
Zone - 153	Zn Block	1,350	130.5	2,213	131.1	50,587	0	0.991	957	3.4	0	0.0
<b>AHUs vav w/ rh</b>	Sys Tot/Ave	29,219	99.0	44,759	94.9	1,200,114	0	0.961	3,466	0.4	0	0.0
<b>AHUs vav w/ rh</b>	Sys Block	21,811	73.9	35,221	74.7	572,675	0	0.564	84,187	10.4	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum	Plenum	Space	Space	Plenum	Space	Solar CLF	Plenum	Plenum	Space	Space	
	Sensible	CLTD	Sensible	CLTD				Conduction	CLTD	Conduction	CLTD	
Load	°F	Load	°F	Solar	Solar	Load	°F	Load	°F	Load	°F	
	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h		Btu/h		
4- 4W-P-NW-OO	1,521	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0	
Zone - 001												
Zn Tot/Ave	1,521	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0	
Zn Block	1,521	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-NW-MS	203	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0	
Zone - 002												
Zn Tot/Ave	203	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0	
Zn Block	203	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-OO	2,756	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
Zone - 003												
Zn Tot/Ave	2,756	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
Zn Block	2,756	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-L	551	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
Zone - 004												
Zn Tot/Ave	551	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
Zn Block	551	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-SW-MS	367	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
Zone - 005												
Zn Tot/Ave	367	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
Zn Block	367	55.2	0	55.8	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-OO	498	21.0	0	21.3	0	0	0.000	0	0.0	0	0.0	
Zone - 006												
Zn Tot/Ave	498	21.0	0	21.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	498	21.0	0	21.3	0	0	0.000	0	0.0	0	0.0	
4- 4W-P-S-L	100	21.0	0	21.3	0	0	0.000	0	0.0	0	0.0	
Zone - 007												
Zn Tot/Ave	100	21.0	0	21.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	100	21.0	0	21.3	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 008												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 009												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-S	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 010												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-L	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 011												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1E-I-M	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 012												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-SW-R	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 014												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
1W-P-S-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
Zone - 015	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 015	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 016	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 017	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 018	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 019	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-S-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 020	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 021	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 022	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 023	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 024	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 025	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-SE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 026	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 027	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 028	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Plenum	Space	Space	Plenum	Space		Plenum	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h	CLTD °F
Zone - 028	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 029	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 029	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 030	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 030	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 031	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 031	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 032	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 032	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NE-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 033	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 033	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 034	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 034	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-P-N-MS		257	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 035	Zn Tot/Ave	257	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 035	Zn Block	257	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
4- 4W-P-NW-L		304	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 036	Zn Tot/Ave	304	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 036	Zn Block	304	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
4- 4W-P-N-L		386	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 037	Zn Tot/Ave	386	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 037	Zn Block	386	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
1W-I-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 038	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 039	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
IE-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 040	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 041	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 041	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum		Space		Space	Plenum		Plenum		Space		Space
	Sensible	Plenum	Sensible	CLTD		Load	Solar	Solar	Conduction	Plenum	Conduction	
Load	°F	Load	°F	CLTD	Btu/h	Btu/h	Solar CLF	Load	°F	Load	°F	
1E-I-S	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 042												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-R	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 043												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
1E-I-L	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 044												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-P-S-MS	66	21.0	0	21.3	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 045												
Zn Tot/Ave	66	21.0	0	21.3	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	66	21.0	0	21.3	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-SE-OO	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 046												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-SW-CN	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 047												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-R	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 048												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-L	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 049												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-SE-L	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 050												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-SE-MS	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 051												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CR	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 052												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-PO	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 053												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-MS	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 054												
Zn Tot/Ave	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
Zn Block	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-L	0	0.0	0	0.0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Space	Plenum	Space	Plenum	Space	Plenum	Space	Space	Space	
		Sensible Load Btu/h	Plenum CLTD °F	Sensible Load Btu/h	Space CLTD °F	Conduction Load Btu/h	Solar Btu/h	Solar Btu/h	Solar CLF	Plenum CLTD °F	Conduction Load Btu/h	Space CLTD °F
Zone - 055	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 055	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 056	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4W-I-L		2,301	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Tot/Ave	2,301	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 057	Zn Block	2,301	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
4- 4W-I-MS		1,534	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Tot/Ave	1,534	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 058	Zn Block	1,534	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
4- 4W-I-OO		11,503	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Tot/Ave	11,503	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
Zone - 059	Zn Block	11,503	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 060	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NW-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 061	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-W-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 062	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-MS		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 063	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 064	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
4- 4E-P-NE-00		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 065	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 066	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 066	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-N-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 067	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 067	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 068	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
Zone - 068	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 069	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 069	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 070	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 070	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 071	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 071	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 072	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 072	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-SW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 073	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 073	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 074	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 074	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 075	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 075	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 076	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 076	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 077	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 077	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 078	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 078	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 079	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 079	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 080	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 080	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-P-SE-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 081	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 081	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F		Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
2- 2E-P-NE-OO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 082					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 082					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 083					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 083					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-PO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 084					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 084					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 085					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 085					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NE-CN	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 086					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 086					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-CN	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 087					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 087					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-P-NW-OO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 088					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 088					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-SM	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 089					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 089					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CN	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 090					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 090					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 091					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 091					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-I-SM	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 092					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 092					Zn Block	0	0	0.000	0	0.0	0	0.0
1W-P-NW-M	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 093					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 093					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2E-I-CR	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0
Zone - 094					Zn Tot/Ave	0	0	0.000	0	0.0	0	0.0
Zone - 094					Zn Block	0	0	0.000	0	0.0	0	0.0
2- 2W-I-OO	0	0.0	0	0.0		0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Space	Plenum	Space	Plenum	Space	Plenum	Space	Space	Space	
		Sensible Load Btu/h	CLTD °F	Sensible Load Btu/h	CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	CLTD °F	Conduction Load Btu/h	CLTD °F
Zone - 095	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 095	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 096	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 097	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 097	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 098	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 098	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 099	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 099	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 100	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 100	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 101	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 101	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-N-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 102	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 102	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 103	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 103	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 104	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 104	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 105	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 105	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2E-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 106	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 107	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 107	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 108	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
Zone - 108	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-SW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 109	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 109	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 110	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 110	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 111	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 111	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-NW-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 112	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 112	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 113	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 113	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 114	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 114	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-S		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 115	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 115	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1W-I-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 116	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 116	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-R		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 117	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 117	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-L		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 118	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 118	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-M		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 119	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 119	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
1E-P-NW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 120	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 120	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
2- 2W-P-S-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 121	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 121	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	ROOF					SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F	
2- 2W-P-SW-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 122												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-SW-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 123												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 124												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 125												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 126												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
2- 2W-P-N-PO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 127												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-OO	19,151	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zone - 128												
Zn Tot/Ave	19,151	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	19,151	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CR	3,830	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zone - 129												
Zn Tot/Ave	3,830	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	3,830	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-CN	7,661	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zone - 130												
Zn Tot/Ave	7,661	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	7,661	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
3- 3E-I-SM	7,661	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zone - 131												
Zn Tot/Ave	7,661	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
Zn Block	7,661	83.5	0	84.3	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-OO	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 132												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 133												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-CN	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zone - 134												
Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	
3- 3W-I-SM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0	

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room		ROOF				SKYLIGHT						
		Plenum	Space	Space	Space	Plenum	Space		Plenum	Space	Space	
		Sensible Load Btu/h	Plenum CLTD °F	Sensible Load Btu/h	Space CLTD °F	Solar Btu/h	Solar Btu/h	Solar CLF	Conduction Load Btu/h	Plenum CLTD °F	Conduction Load Btu/h	Space CLTD °F
Zone - 135	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 135	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-OO		7,322	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 136	Zn Tot/Ave	7,322	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 136	Zn Block	7,322	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-CN		488	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 137	Zn Tot/Ave	488	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 137	Zn Block	488	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-CR		976	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 138	Zn Tot/Ave	976	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 138	Zn Block	976	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NW-PO		976	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 139	Zn Tot/Ave	976	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
Zone - 139	Zn Block	976	69.0	0	69.7	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-CR		38	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 140	Zn Tot/Ave	38	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 140	Zn Block	38	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-OO		282	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 141	Zn Tot/Ave	282	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 141	Zn Block	282	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-CN		19	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 142	Zn Tot/Ave	19	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 142	Zn Block	19	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-OO		964	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 143	Zn Tot/Ave	964	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 143	Zn Block	964	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-NE-PO		38	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 144	Zn Tot/Ave	38	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
Zone - 144	Zn Block	38	9.2	0	9.3	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-CR		129	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 145	Zn Tot/Ave	129	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 145	Zn Block	129	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-PO		129	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 146	Zn Tot/Ave	129	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 146	Zn Block	129	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
3- 3E-P-SE-CN		64	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 147	Zn Tot/Ave	64	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
Zone - 147	Zn Block	64	11.9	0	12.0	0	0	0.000	0	0.0	0	0.0
3- 3W-P-S-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 148	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0



# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	ROOF				SKYLIGHT						
			Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
	Zone - 148	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3-	3W-P-S-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 149	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 149	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3-	3W-P-S-CN		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 150	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 150	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3-	3W-P-S-PO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 151	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 151	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3-	3W-P-SW-CR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 152	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 152	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
3-	3W-P-SW-OO		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 153	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 153	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	<b>AHUs vav w/ rh</b>	Sys Tot/Ave	72,075	67.5	0	130.6	0	0	0.000	0	0.0	0	0.0
	<b>AHUs vav w/ rh</b>	Sys Block	83,702	78.3	0	79.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
4- 4W-P-NW-OO	0	0.0	0	0.0	71	489	407	72.7	143	20,661	
Zone - 001			Zn Tot/Ave	0	0.0	71	489	407	72.7	143	20,661
Zone - 001			Zn Block	0	0.0	71	489	407	72.7	143	20,661
4- 4W-P-NW-MS	0	0.0	0	0.0	9	65	54	72.7	19	2,756	
Zone - 002			Zn Tot/Ave	0	0.0	9	65	54	72.7	19	2,756
Zone - 002			Zn Block	0	0.0	9	65	54	72.7	19	2,756
4- 4W-P-SW-OO	0	0.0	0	0.0	161	537	370	72.6	251	57,240	
Zone - 003			Zn Tot/Ave	0	0.0	161	537	370	72.6	251	57,240
Zone - 003			Zn Block	0	0.0	161	537	370	72.6	251	57,240
4- 4W-P-SW-L	0	0.0	0	0.0	32	107	74	72.6	50	11,447	
Zone - 004			Zn Tot/Ave	0	0.0	32	107	74	72.6	50	11,447
Zone - 004			Zn Block	0	0.0	32	107	74	72.6	50	11,447
4- 4W-P-SW-MS	0	0.0	0	0.0	21	72	49	72.6	33	7,631	
Zone - 005			Zn Tot/Ave	0	0.0	21	72	49	72.6	33	7,631
Zone - 005			Zn Block	0	0.0	21	72	49	72.6	33	7,631
4- 4W-P-S-OO	0	0.0	0	0.0	77	-699	-911	72.3	61	31,545	
Zone - 006			Zn Tot/Ave	0	0.0	77	-699	-911	72.3	61	31,545
Zone - 006			Zn Block	0	0.0	77	-699	-911	72.3	61	31,545
4- 4W-P-S-L	0	0.0	0	0.0	15	-140	-182	72.3	12	6,312	
Zone - 007			Zn Tot/Ave	0	0.0	15	-140	-182	72.3	12	6,312
Zone - 007			Zn Block	0	0.0	15	-140	-182	72.3	12	6,312
1W-P-SW-M	0	0.0	0	0.0	21	88	18	72.6	34	7,486	
Zone - 008			Zn Tot/Ave	0	0.0	21	88	18	72.6	34	7,486
Zone - 008			Zn Block	0	0.0	21	88	18	72.6	34	7,486
1W-P-SW-OO	0	0.0	0	0.0	64	264	53	72.6	101	22,458	
Zone - 009			Zn Tot/Ave	0	0.0	64	264	53	72.6	101	22,458
Zone - 009			Zn Block	0	0.0	64	264	53	72.6	101	22,458
1W-P-SW-S	0	0.0	0	0.0	21	88	18	72.6	34	7,486	
Zone - 010			Zn Tot/Ave	0	0.0	21	88	18	72.6	34	7,486
Zone - 010			Zn Block	0	0.0	21	88	18	72.6	34	7,486
1W-P-SW-L	0	0.0	0	0.0	54	220	44	72.6	84	18,715	
Zone - 011			Zn Tot/Ave	0	0.0	54	220	44	72.6	84	18,715
Zone - 011			Zn Block	0	0.0	54	220	44	72.6	84	18,715
1E-I-M	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659	
Zone - 012			Zn Tot/Ave	0	0.0	148	1,972	4,391	72.7	296	6,659
Zone - 012			Zn Block	0	0.0	148	1,972	4,391	72.7	296	6,659
1W-P-SW-R	0	0.0	0	0.0	32	132	27	72.6	50	11,229	
Zone - 014			Zn Tot/Ave	0	0.0	32	132	27	72.6	50	11,229
Zone - 014			Zn Block	0	0.0	32	132	27	72.6	50	11,229

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h			
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h				
1W-P-S-CN	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183			
Zone - 015			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 015			Zn Block	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
1W-P-S-S	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183			
Zone - 016			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 016			Zn Block	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
1W-P-S-M	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183			
Zone - 017			Zn Tot/Ave	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 017			Zn Block	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
1W-P-S-OO	0	0.0	0	0.0	31	-280	-365	72.3	25	12,550			
Zone - 018			Zn Tot/Ave	0	0.0	0	0.0	31	-280	-365	72.3	25	12,550
Zone - 018			Zn Block	0	0.0	0	0.0	31	-280	-365	72.3	25	12,550
1W-P-S-L	0	0.0	0	0.0	26	-233	-304	72.3	20	10,461			
Zone - 019			Zn Tot/Ave	0	0.0	0	0.0	26	-233	-304	72.3	20	10,461
Zone - 019			Zn Block	0	0.0	0	0.0	26	-233	-304	72.3	20	10,461
1W-P-S-R	0	0.0	0	0.0	15	-140	-182	72.3	12	6,278			
Zone - 020			Zn Tot/Ave	0	0.0	0	0.0	15	-140	-182	72.3	12	6,278
Zone - 020			Zn Block	0	0.0	0	0.0	15	-140	-182	72.3	12	6,278
1E-P-SE-CN	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859			
Zone - 021			Zn Tot/Ave	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zone - 021			Zn Block	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
1E-P-SE-S	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859			
Zone - 022			Zn Tot/Ave	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zone - 022			Zn Block	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
1E-P-SE-M	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859			
Zone - 023			Zn Tot/Ave	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zone - 023			Zn Block	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
1E-P-SE-OO	0	0.0	0	0.0	105	-1,119	-529	72.0	6	29,576			
Zone - 024			Zn Tot/Ave	0	0.0	0	0.0	105	-1,119	-529	72.0	6	29,576
Zone - 024			Zn Block	0	0.0	0	0.0	105	-1,119	-529	72.0	6	29,576
1E-P-SE-R	0	0.0	0	0.0	52	-560	-265	72.0	3	14,790			
Zone - 025			Zn Tot/Ave	0	0.0	0	0.0	52	-560	-265	72.0	3	14,790
Zone - 025			Zn Block	0	0.0	0	0.0	52	-560	-265	72.0	3	14,790
1E-P-SE-L	0	0.0	0	0.0	87	-933	-441	72.0	5	24,649			
Zone - 026			Zn Tot/Ave	0	0.0	0	0.0	87	-933	-441	72.0	5	24,649
Zone - 026			Zn Block	0	0.0	0	0.0	87	-933	-441	72.0	5	24,649
1E-P-NE-CN	0	0.0	0	0.0	13	-50	199	72.0	0	3,795			
Zone - 027			Zn Tot/Ave	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
Zone - 027			Zn Block	0	0.0	0	0.0	13	-50	199	72.0	0	3,795

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
1E-P-NE-S	0	0.0	0	0.0	13	-50	199	72.0	0	3,795	
Zone - 028	Zn Tot/Ave	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
Zone - 028	Zn Block	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
1E-P-NE-OO	0	0.0	0	0.0	40	-150	596	72.0	1	11,382	
Zone - 029	Zn Tot/Ave	0	0.0	0	0.0	40	-150	596	72.0	1	11,382
Zone - 029	Zn Block	0	0.0	0	0.0	40	-150	596	72.0	1	11,382
1E-P-NE-L	0	0.0	0	0.0	33	-125	496	72.0	1	9,484	
Zone - 030	Zn Tot/Ave	0	0.0	0	0.0	33	-125	496	72.0	1	9,484
Zone - 030	Zn Block	0	0.0	0	0.0	33	-125	496	72.0	1	9,484
1E-P-NE-M	0	0.0	0	0.0	13	-50	199	72.0	0	3,795	
Zone - 031	Zn Tot/Ave	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
Zone - 031	Zn Block	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
1E-P-NW-CN	0	0.0	0	0.0	46	447	373	72.7	87	10,355	
Zone - 032	Zn Tot/Ave	0	0.0	0	0.0	46	447	373	72.7	87	10,355
Zone - 032	Zn Block	0	0.0	0	0.0	46	447	373	72.7	87	10,355
1E-P-NE-R	0	0.0	0	0.0	20	194	162	72.7	38	6,545	
Zone - 033	Zn Tot/Ave	0	0.0	0	0.0	20	194	162	72.7	38	6,545
Zone - 033	Zn Block	0	0.0	0	0.0	20	194	162	72.7	38	6,545
1E-P-NW-S	0	0.0	0	0.0	46	447	373	72.7	87	10,355	
Zone - 034	Zn Tot/Ave	0	0.0	0	0.0	46	447	373	72.7	87	10,355
Zone - 034	Zn Block	0	0.0	0	0.0	46	447	373	72.7	87	10,355
4- 4W-P-N-MS	0	0.0	0	0.0	10	133	295	72.7	20	1,109	
Zone - 035	Zn Tot/Ave	0	0.0	0	0.0	10	133	295	72.7	20	1,109
Zone - 035	Zn Block	0	0.0	0	0.0	10	133	295	72.7	20	1,109
4- 4W-P-NW-L	0	0.0	0	0.0	14	98	81	72.7	29	4,133	
Zone - 036	Zn Tot/Ave	0	0.0	0	0.0	14	98	81	72.7	29	4,133
Zone - 036	Zn Block	0	0.0	0	0.0	14	98	81	72.7	29	4,133
4- 4W-P-N-L	0	0.0	0	0.0	15	199	443	72.7	30	1,663	
Zone - 037	Zn Tot/Ave	0	0.0	0	0.0	15	199	443	72.7	30	1,663
Zone - 037	Zn Block	0	0.0	0	0.0	15	199	443	72.7	30	1,663
1W-I-R	0	0.0	0	0.0	89	1,185	2,638	72.7	178	4,000	
Zone - 038	Zn Tot/Ave	0	0.0	0	0.0	89	1,185	2,638	72.7	178	4,000
Zone - 038	Zn Block	0	0.0	0	0.0	89	1,185	2,638	72.7	178	4,000
1W-I-L	0	0.0	0	0.0	148	1,975	4,396	72.7	296	6,666	
Zone - 039	Zn Tot/Ave	0	0.0	0	0.0	148	1,975	4,396	72.7	296	6,666
Zone - 039	Zn Block	0	0.0	0	0.0	148	1,975	4,396	72.7	296	6,666
IE-I-CN	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659	
Zone - 040	Zn Tot/Ave	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659
Zone - 040	Zn Block	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
1E-I-OO	0	0.0	0	0.0	443	5,917	13,174	72.7	887	19,978	
Zone - 041			Zn Tot/Ave	0	0.0	443	5,917	13,174	72.7	887	19,978
Zone - 041			Zn Block	0	0.0	443	5,917	13,174	72.7	887	19,978
1E-I-S	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659	
Zone - 042			Zn Tot/Ave	0	0.0	148	1,972	4,391	72.7	296	6,659
Zone - 042			Zn Block	0	0.0	148	1,972	4,391	72.7	296	6,659
1E-I-R	0	0.0	0	0.0	222	2,959	6,587	72.7	443	9,989	
Zone - 043			Zn Tot/Ave	0	0.0	222	2,959	6,587	72.7	443	9,989
Zone - 043			Zn Block	0	0.0	222	2,959	6,587	72.7	443	9,989
1E-I-L	0	0.0	0	0.0	369	4,931	10,979	72.7	739	16,649	
Zone - 044			Zn Tot/Ave	0	0.0	369	4,931	10,979	72.7	739	16,649
Zone - 044			Zn Block	0	0.0	369	4,931	10,979	72.7	739	16,649
4- 4W-P-S-MS	0	0.0	0	0.0	10	-93	-122	72.3	8	4,206	
Zone - 045			Zn Tot/Ave	0	0.0	10	-93	-122	72.3	8	4,206
Zone - 045			Zn Block	0	0.0	10	-93	-122	72.3	8	4,206
4- 4E-P-SE-OO	0	0.0	0	0.0	262	3,498	7,788	72.7	524	11,810	
Zone - 046			Zn Tot/Ave	0	0.0	262	3,498	7,788	72.7	524	11,810
Zone - 046			Zn Block	0	0.0	262	3,498	7,788	72.7	524	11,810
1W-P-SW-CN	0	0.0	0	0.0	21	88	18	72.6	34	7,486	
Zone - 047			Zn Tot/Ave	0	0.0	21	88	18	72.6	34	7,486
Zone - 047			Zn Block	0	0.0	21	88	18	72.6	34	7,486
1W-P-NW-R	0	0.0	0	0.0	14	139	116	72.7	27	3,869	
Zone - 048			Zn Tot/Ave	0	0.0	14	139	116	72.7	27	3,869
Zone - 048			Zn Block	0	0.0	14	139	116	72.7	27	3,869
1W-P-NW-L	0	0.0	0	0.0	24	232	193	72.7	45	6,446	
Zone - 049			Zn Tot/Ave	0	0.0	24	232	193	72.7	45	6,446
Zone - 049			Zn Block	0	0.0	24	232	193	72.7	45	6,446
4- 4E-P-SE-L	0	0.0	0	0.0	52	700	1,558	72.7	105	2,362	
Zone - 050			Zn Tot/Ave	0	0.0	52	700	1,558	72.7	105	2,362
Zone - 050			Zn Block	0	0.0	52	700	1,558	72.7	105	2,362
4- 4E-P-SE-MS	0	0.0	0	0.0	35	466	1,038	72.7	70	1,575	
Zone - 051			Zn Tot/Ave	0	0.0	35	466	1,038	72.7	70	1,575
Zone - 051			Zn Block	0	0.0	35	466	1,038	72.7	70	1,575
3- 3W-P-N-CR	0	0.0	0	0.0	10	133	295	72.7	20	849	
Zone - 052			Zn Tot/Ave	0	0.0	10	133	295	72.7	20	849
Zone - 052			Zn Block	0	0.0	10	133	295	72.7	20	849
3- 3W-P-N-PO	0	0.0	0	0.0	10	133	295	72.7	20	849	
Zone - 053			Zn Tot/Ave	0	0.0	10	133	295	72.7	20	849
Zone - 053			Zn Block	0	0.0	10	133	295	72.7	20	849

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
4- 4E-I-MS	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659	
Zone - 054			Zn Tot/Ave	0	0.0	148	1,972	4,391	72.7	296	6,659
Zone - 054			Zn Block	0	0.0	148	1,972	4,391	72.7	296	6,659
4- 4E-I-L	0	0.0	0	0.0	222	2,959	6,587	72.7	443	9,989	
Zone - 055			Zn Tot/Ave	0	0.0	222	2,959	6,587	72.7	443	9,989
Zone - 055			Zn Block	0	0.0	222	2,959	6,587	72.7	443	9,989
4- 4E-I-OO	0	0.0	0	0.0	1,108	14,794	32,936	72.7	2,217	49,946	
Zone - 056			Zn Tot/Ave	0	0.0	1,108	14,794	32,936	72.7	2,217	49,946
Zone - 056			Zn Block	0	0.0	1,108	14,794	32,936	72.7	2,217	49,946
4- 4W-I-L	0	0.0	0	0.0	89	1,185	2,638	72.7	178	6,300	
Zone - 057			Zn Tot/Ave	0	0.0	89	1,185	2,638	72.7	178	6,300
Zone - 057			Zn Block	0	0.0	89	1,185	2,638	72.7	178	6,300
4- 4W-I-MS	0	0.0	0	0.0	59	790	1,758	72.7	118	4,200	
Zone - 058			Zn Tot/Ave	0	0.0	59	790	1,758	72.7	118	4,200
Zone - 058			Zn Block	0	0.0	59	790	1,758	72.7	118	4,200
4- 4W-I-OO	0	0.0	0	0.0	444	5,924	13,188	72.7	888	31,502	
Zone - 059			Zn Tot/Ave	0	0.0	444	5,924	13,188	72.7	888	31,502
Zone - 059			Zn Block	0	0.0	444	5,924	13,188	72.7	888	31,502
4- 4E-P-NW-L	0	0.0	0	0.0	68	913	2,032	72.7	137	3,082	
Zone - 060			Zn Tot/Ave	0	0.0	68	913	2,032	72.7	137	3,082
Zone - 060			Zn Block	0	0.0	68	913	2,032	72.7	137	3,082
4- 4E-P-NW-MS	0	0.0	0	0.0	46	609	1,355	72.7	91	2,055	
Zone - 061			Zn Tot/Ave	0	0.0	46	609	1,355	72.7	91	2,055
Zone - 061			Zn Block	0	0.0	46	609	1,355	72.7	91	2,055
4- 4E-P-W-OO	0	0.0	0	0.0	342	4,565	10,162	72.7	684	15,411	
Zone - 062			Zn Tot/Ave	0	0.0	342	4,565	10,162	72.7	684	15,411
Zone - 062			Zn Block	0	0.0	342	4,565	10,162	72.7	684	15,411
4- 4E-P-NE-MS	0	0.0	0	0.0	13	176	393	72.7	26	596	
Zone - 063			Zn Tot/Ave	0	0.0	13	176	393	72.7	26	596
Zone - 063			Zn Block	0	0.0	13	176	393	72.7	26	596
4- 4E-P-NE-L	0	0.0	0	0.0	20	265	589	72.7	40	894	
Zone - 064			Zn Tot/Ave	0	0.0	20	265	589	72.7	40	894
Zone - 064			Zn Block	0	0.0	20	265	589	72.7	40	894
4- 4E-P-NE-00	0	0.0	0	0.0	99	1,323	2,946	72.7	198	4,468	
Zone - 065			Zn Tot/Ave	0	0.0	99	1,323	2,946	72.7	198	4,468
Zone - 065			Zn Block	0	0.0	99	1,323	2,946	72.7	198	4,468
3- 3W-P-N-CN	0	0.0	0	0.0	5	66	148	72.7	10	424	
Zone - 066			Zn Tot/Ave	0	0.0	5	66	148	72.7	10	424
Zone - 066			Zn Block	0	0.0	5	66	148	72.7	10	424

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
3- 3W-P-N-OO	0	0.0	0	0.0	74	994	2,213	72.7	149	6,364
Zone - 067										
Zn Tot/Ave	0	0.0	0	0.0	74	994	2,213	72.7	149	6,364
Zn Block	0	0.0	0	0.0	74	994	2,213	72.7	149	6,364
3- 3W-P-NW-CN	0	0.0	0	0.0	5	46	39	72.7	9	1,289
Zone - 068										
Zn Tot/Ave	0	0.0	0	0.0	5	46	39	72.7	9	1,289
Zn Block	0	0.0	0	0.0	5	46	39	72.7	9	1,289
3- 3W-P-NW-CR	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zone - 069										
Zn Tot/Ave	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zn Block	0	0.0	0	0.0	9	93	77	72.7	18	2,580
3- 3W-P-SW-PO	0	0.0	0	0.0	21	88	18	72.6	34	7,486
Zone - 070										
Zn Tot/Ave	0	0.0	0	0.0	21	88	18	72.6	34	7,486
Zn Block	0	0.0	0	0.0	21	88	18	72.6	34	7,486
3- 3W-P-NW-PO	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zone - 071										
Zn Tot/Ave	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zn Block	0	0.0	0	0.0	9	93	77	72.7	18	2,580
3- 3W-P-NW-OO	0	0.0	0	0.0	71	695	580	72.7	136	19,341
Zone - 072										
Zn Tot/Ave	0	0.0	0	0.0	71	695	580	72.7	136	19,341
Zn Block	0	0.0	0	0.0	71	695	580	72.7	136	19,341
3- 3W-P-SW-CN	0	0.0	0	0.0	11	44	9	72.6	17	3,743
Zone - 073										
Zn Tot/Ave	0	0.0	0	0.0	11	44	9	72.6	17	3,743
Zn Block	0	0.0	0	0.0	11	44	9	72.6	17	3,743
2- 2W-P-S-OO	0	0.0	0	0.0	77	-699	-911	72.3	61	31,374
Zone - 074										
Zn Tot/Ave	0	0.0	0	0.0	77	-699	-911	72.3	61	31,374
Zn Block	0	0.0	0	0.0	77	-699	-911	72.3	61	31,374
2- 2W-P-S-CN	0	0.0	0	0.0	5	-47	-61	72.3	4	2,092
Zone - 075										
Zn Tot/Ave	0	0.0	0	0.0	5	-47	-61	72.3	4	2,092
Zn Block	0	0.0	0	0.0	5	-47	-61	72.3	4	2,092
2- 2E-P-SE-CN	0	0.0	0	0.0	17	-187	-88	72.0	1	4,932
Zone - 076										
Zn Tot/Ave	0	0.0	0	0.0	17	-187	-88	72.0	1	4,932
Zn Block	0	0.0	0	0.0	17	-187	-88	72.0	1	4,932
2- 2E-P-SE-PO	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zone - 077										
Zn Tot/Ave	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zn Block	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
2- 2W-P-S-CR	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 078										
Zn Tot/Ave	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zn Block	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
2- 2E-P-SE-CR	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zone - 079										
Zn Tot/Ave	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859
Zn Block	0	0.0	0	0.0	35	-373	-176	72.0	2	9,859

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
2- 2E-P-NE-PO	0	0.0	0	0.0	13	-50	199	72.0	0	3,795	
Zone - 080	Zn Tot/Ave	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
Zone - 080	Zn Block	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
2- 2E-P-SE-OO	0	0.0	0	0.0	262	-2,798	-1,323	72.0	15	73,941	
Zone - 081	Zn Tot/Ave	0	0.0	0	0.0	262	-2,798	-1,323	72.0	15	73,941
Zone - 081	Zn Block	0	0.0	0	0.0	262	-2,798	-1,323	72.0	15	73,941
2- 2E-P-NE-OO	0	0.0	0	0.0	99	-376	1,489	72.0	3	28,449	
Zone - 082	Zn Tot/Ave	0	0.0	0	0.0	99	-376	1,489	72.0	3	28,449
Zone - 082	Zn Block	0	0.0	0	0.0	99	-376	1,489	72.0	3	28,449
2- 2E-P-NE-CR	0	0.0	0	0.0	13	-50	199	72.0	0	3,795	
Zone - 083	Zn Tot/Ave	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
Zone - 083	Zn Block	0	0.0	0	0.0	13	-50	199	72.0	0	3,795
2- 2E-P-NW-PO	0	0.0	0	0.0	46	446	373	72.7	87	10,354	
Zone - 084	Zn Tot/Ave	0	0.0	0	0.0	46	446	373	72.7	87	10,354
Zone - 084	Zn Block	0	0.0	0	0.0	46	446	373	72.7	87	10,354
2- 2E-P-NW-CR	0	0.0	0	0.0	46	446	373	72.7	87	10,354	
Zone - 085	Zn Tot/Ave	0	0.0	0	0.0	46	446	373	72.7	87	10,354
Zone - 085	Zn Block	0	0.0	0	0.0	46	446	373	72.7	87	10,354
2- 2E-P-NE-CN	0	0.0	0	0.0	7	-25	99	72.0	0	1,898	
Zone - 086	Zn Tot/Ave	0	0.0	0	0.0	7	-25	99	72.0	0	1,898
Zone - 086	Zn Block	0	0.0	0	0.0	7	-25	99	72.0	0	1,898
2- 2E-P-NW-CN	0	0.0	0	0.0	23	223	186	72.7	44	5,177	
Zone - 087	Zn Tot/Ave	0	0.0	0	0.0	23	223	186	72.7	44	5,177
Zone - 087	Zn Block	0	0.0	0	0.0	23	223	186	72.7	44	5,177
2- 2E-P-NW-OO	0	0.0	0	0.0	342	3,347	2,795	72.7	656	77,655	
Zone - 088	Zn Tot/Ave	0	0.0	0	0.0	342	3,347	2,795	72.7	656	77,655
Zone - 088	Zn Block	0	0.0	0	0.0	342	3,347	2,795	72.7	656	77,655
2- 2W-I-SM	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333	
Zone - 089	Zn Tot/Ave	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333
Zone - 089	Zn Block	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333
2- 2W-I-CN	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333	
Zone - 090	Zn Tot/Ave	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333
Zone - 090	Zn Block	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333
2- 2W-I-CR	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667	
Zone - 091	Zn Tot/Ave	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667
Zone - 091	Zn Block	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667
2- 2E-I-SM	0	0.0	0	0.0	295	3,945	8,783	72.7	591	13,319	
Zone - 092	Zn Tot/Ave	0	0.0	0	0.0	295	3,945	8,783	72.7	591	13,319
Zone - 092	Zn Block	0	0.0	0	0.0	295	3,945	8,783	72.7	591	13,319



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h			
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h				
1W-P-NW-M	0	0.0	0	0.0	9	93	77	72.7	18	2,580			
Zone - 093			Zn Tot/Ave	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zone - 093			Zn Block	0	0.0	0	0.0	9	93	77	72.7	18	2,580
2- 2E-I-CR	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659			
Zone - 094			Zn Tot/Ave	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659
Zone - 094			Zn Block	0	0.0	0	0.0	148	1,972	4,391	72.7	296	6,659
2- 2W-I-OO	0	0.0	0	0.0	296	3,949	8,792	72.7	592	13,333			
Zone - 095			Zn Tot/Ave	0	0.0	0	0.0	296	3,949	8,792	72.7	592	13,333
Zone - 095			Zn Block	0	0.0	0	0.0	296	3,949	8,792	72.7	592	13,333
2- 2E-I-OO	0	0.0	0	0.0	739	9,862	21,957	72.7	1,478	33,297			
Zone - 096			Zn Tot/Ave	0	0.0	0	0.0	739	9,862	21,957	72.7	1,478	33,297
Zone - 096			Zn Block	0	0.0	0	0.0	739	9,862	21,957	72.7	1,478	33,297
1W-P-N-CN	0	0.0	0	0.0	10	133	295	72.7	20	849			
Zone - 097			Zn Tot/Ave	0	0.0	0	0.0	10	133	295	72.7	20	849
Zone - 097			Zn Block	0	0.0	0	0.0	10	133	295	72.7	20	849
1W-P-N-S	0	0.0	0	0.0	10	133	295	72.7	20	849			
Zone - 098			Zn Tot/Ave	0	0.0	0	0.0	10	133	295	72.7	20	849
Zone - 098			Zn Block	0	0.0	0	0.0	10	133	295	72.7	20	849
1W-P-N-OO	0	0.0	0	0.0	30	398	885	72.7	60	2,546			
Zone - 099			Zn Tot/Ave	0	0.0	0	0.0	30	398	885	72.7	60	2,546
Zone - 099			Zn Block	0	0.0	0	0.0	30	398	885	72.7	60	2,546
1W-P-N-M	0	0.0	0	0.0	10	133	295	72.7	20	849			
Zone - 100			Zn Tot/Ave	0	0.0	0	0.0	10	133	295	72.7	20	849
Zone - 100			Zn Block	0	0.0	0	0.0	10	133	295	72.7	20	849
1W-P-N-L	0	0.0	0	0.0	248	3,313	7,377	72.7	496	12,189			
Zone - 101			Zn Tot/Ave	0	0.0	0	0.0	248	3,313	7,377	72.7	496	12,189
Zone - 101			Zn Block	0	0.0	0	0.0	248	3,313	7,377	72.7	496	12,189
1W-P-N-R	0	0.0	0	0.0	15	199	443	72.7	30	1,273			
Zone - 102			Zn Tot/Ave	0	0.0	0	0.0	15	199	443	72.7	30	1,273
Zone - 102			Zn Block	0	0.0	0	0.0	15	199	443	72.7	30	1,273
1W-P-NW-CN	0	0.0	0	0.0	9	93	77	72.7	18	2,580			
Zone - 103			Zn Tot/Ave	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zone - 103			Zn Block	0	0.0	0	0.0	9	93	77	72.7	18	2,580
1W-P-NW-S	0	0.0	0	0.0	9	93	77	72.7	18	2,580			
Zone - 104			Zn Tot/Ave	0	0.0	0	0.0	9	93	77	72.7	18	2,580
Zone - 104			Zn Block	0	0.0	0	0.0	9	93	77	72.7	18	2,580
1W-P-NW-OO	0	0.0	0	0.0	28	278	232	72.7	54	7,738			
Zone - 105			Zn Tot/Ave	0	0.0	0	0.0	28	278	232	72.7	54	7,738
Zone - 105			Zn Block	0	0.0	0	0.0	28	278	232	72.7	54	7,738

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
2- 2E-I-CN	0	0.0	0	0.0	295	3,945	8,783	72.7	591	13,319	
Zone - 106			Zn Tot/Ave	0	0.0	295	3,945	8,783	72.7	591	13,319
Zone - 106			Zn Block	0	0.0	295	3,945	8,783	72.7	591	13,319
2- 2W-P-SW-CN	0	0.0	0	0.0	11	44	9	72.6	17	3,743	
Zone - 107			Zn Tot/Ave	0	0.0	11	44	9	72.6	17	3,743
Zone - 107			Zn Block	0	0.0	11	44	9	72.6	17	3,743
2- 2W-P-NW-OO	0	0.0	0	0.0	71	695	580	72.7	136	19,341	
Zone - 108			Zn Tot/Ave	0	0.0	71	695	580	72.7	136	19,341
Zone - 108			Zn Block	0	0.0	71	695	580	72.7	136	19,341
2- 2W-P-SW-PO	0	0.0	0	0.0	21	88	18	72.6	34	7,486	
Zone - 109			Zn Tot/Ave	0	0.0	21	88	18	72.6	34	7,486
Zone - 109			Zn Block	0	0.0	21	88	18	72.6	34	7,486
2- 2W-P-NW-CR	0	0.0	0	0.0	9	93	77	72.7	18	2,580	
Zone - 110			Zn Tot/Ave	0	0.0	9	93	77	72.7	18	2,580
Zone - 110			Zn Block	0	0.0	9	93	77	72.7	18	2,580
2- 2W-P-NW-PO	0	0.0	0	0.0	9	93	77	72.7	18	2,580	
Zone - 111			Zn Tot/Ave	0	0.0	9	93	77	72.7	18	2,580
Zone - 111			Zn Block	0	0.0	9	93	77	72.7	18	2,580
2- 2W-P-NW-CN	0	0.0	0	0.0	5	46	39	72.7	9	1,289	
Zone - 112			Zn Tot/Ave	0	0.0	5	46	39	72.7	9	1,289
Zone - 112			Zn Block	0	0.0	5	46	39	72.7	9	1,289
1W-I-M	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667	
Zone - 113			Zn Tot/Ave	0	0.0	59	790	1,758	72.7	118	2,667
Zone - 113			Zn Block	0	0.0	59	790	1,758	72.7	118	2,667
1W-I-OO	0	0.0	0	0.0	177	2,369	5,275	72.7	355	8,000	
Zone - 114			Zn Tot/Ave	0	0.0	177	2,369	5,275	72.7	355	8,000
Zone - 114			Zn Block	0	0.0	177	2,369	5,275	72.7	355	8,000
1W-I-S	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667	
Zone - 115			Zn Tot/Ave	0	0.0	59	790	1,758	72.7	118	2,667
Zone - 115			Zn Block	0	0.0	59	790	1,758	72.7	118	2,667
1W-I-CN	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667	
Zone - 116			Zn Tot/Ave	0	0.0	59	790	1,758	72.7	118	2,667
Zone - 116			Zn Block	0	0.0	59	790	1,758	72.7	118	2,667
1E-P-NW-R	0	0.0	0	0.0	68	669	559	72.7	131	15,531	
Zone - 117			Zn Tot/Ave	0	0.0	68	669	559	72.7	131	15,531
Zone - 117			Zn Block	0	0.0	68	669	559	72.7	131	15,531
1E-P-NW-L	0	0.0	0	0.0	114	1,116	932	72.7	219	25,885	
Zone - 118			Zn Tot/Ave	0	0.0	114	1,116	932	72.7	219	25,885
Zone - 118			Zn Block	0	0.0	114	1,116	932	72.7	219	25,885

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
1E-P-NW-M	0	0.0	0	0.0	46	447	373	72.7	87	10,355	
Zone - 119			Zn Tot/Ave	0	0.0	46	447	373	72.7	87	10,355
Zone - 119			Zn Block	0	0.0	46	447	373	72.7	87	10,355
1E-P-NW-OO	0	0.0	0	0.0	137	1,339	1,118	72.7	262	31,062	
Zone - 120			Zn Tot/Ave	0	0.0	137	1,339	1,118	72.7	262	31,062
Zone - 120			Zn Block	0	0.0	137	1,339	1,118	72.7	262	31,062
2- 2W-P-S-PO	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183	
Zone - 121			Zn Tot/Ave	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 121			Zn Block	0	0.0	10	-93	-122	72.3	8	4,183
2- 2W-P-SW-CR	0	0.0	0	0.0	21	88	18	72.6	34	7,486	
Zone - 122			Zn Tot/Ave	0	0.0	21	88	18	72.6	34	7,486
Zone - 122			Zn Block	0	0.0	21	88	18	72.6	34	7,486
2- 2W-P-SW-OO	0	0.0	0	0.0	161	661	133	72.6	251	56,151	
Zone - 123			Zn Tot/Ave	0	0.0	161	661	133	72.6	251	56,151
Zone - 123			Zn Block	0	0.0	161	661	133	72.6	251	56,151
2- 2W-P-N-OO	0	0.0	0	0.0	74	994	2,213	72.7	149	6,364	
Zone - 124			Zn Tot/Ave	0	0.0	74	994	2,213	72.7	149	6,364
Zone - 124			Zn Block	0	0.0	74	994	2,213	72.7	149	6,364
2- 2W-P-N-CN	0	0.0	0	0.0	5	66	148	72.7	10	424	
Zone - 125			Zn Tot/Ave	0	0.0	5	66	148	72.7	10	424
Zone - 125			Zn Block	0	0.0	5	66	148	72.7	10	424
2- 2W-P-N-CR	0	0.0	0	0.0	10	133	295	72.7	20	849	
Zone - 126			Zn Tot/Ave	0	0.0	10	133	295	72.7	20	849
Zone - 126			Zn Block	0	0.0	10	133	295	72.7	20	849
2- 2W-P-N-PO	0	0.0	0	0.0	10	133	295	72.7	20	849	
Zone - 127			Zn Tot/Ave	0	0.0	10	133	295	72.7	20	849
Zone - 127			Zn Block	0	0.0	10	133	295	72.7	20	849
3- 3E-I-OO	0	0.0	0	0.0	739	9,862	21,957	72.7	1,478	52,449	
Zone - 128			Zn Tot/Ave	0	0.0	739	9,862	21,957	72.7	1,478	52,449
Zone - 128			Zn Block	0	0.0	739	9,862	21,957	72.7	1,478	52,449
3- 3E-I-CR	0	0.0	0	0.0	148	1,972	4,391	72.7	296	10,490	
Zone - 129			Zn Tot/Ave	0	0.0	148	1,972	4,391	72.7	296	10,490
Zone - 129			Zn Block	0	0.0	148	1,972	4,391	72.7	296	10,490
3- 3E-I-CN	0	0.0	0	0.0	295	3,945	8,783	72.7	591	20,980	
Zone - 130			Zn Tot/Ave	0	0.0	295	3,945	8,783	72.7	591	20,980
Zone - 130			Zn Block	0	0.0	295	3,945	8,783	72.7	591	20,980
3- 3E-I-SM	0	0.0	0	0.0	295	3,945	8,783	72.7	591	20,980	
Zone - 131			Zn Tot/Ave	0	0.0	295	3,945	8,783	72.7	591	20,980
Zone - 131			Zn Block	0	0.0	295	3,945	8,783	72.7	591	20,980

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h	
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h		
3- 3W-I-OO	0	0.0	0	0.0	296	3,949	8,792	72.7	592	13,333	
Zone - 132			Zn Tot/Ave	0	0.0	296	3,949	8,792	72.7	592	13,333
Zone - 132			Zn Block	0	0.0	296	3,949	8,792	72.7	592	13,333
3- 3W-I-CR	0	0.0	0	0.0	59	790	1,758	72.7	118	2,667	
Zone - 133			Zn Tot/Ave	0	0.0	59	790	1,758	72.7	118	2,667
Zone - 133			Zn Block	0	0.0	59	790	1,758	72.7	118	2,667
3- 3W-I-CN	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333	
Zone - 134			Zn Tot/Ave	0	0.0	118	1,580	3,517	72.7	237	5,333
Zone - 134			Zn Block	0	0.0	118	1,580	3,517	72.7	237	5,333
3- 3W-I-SM	0	0.0	0	0.0	118	1,580	3,517	72.7	237	5,333	
Zone - 135			Zn Tot/Ave	0	0.0	118	1,580	3,517	72.7	237	5,333
Zone - 135			Zn Block	0	0.0	118	1,580	3,517	72.7	237	5,333
3- 3E-P-NW-OO	0	0.0	0	0.0	342	2,355	1,958	72.7	688	83,643	
Zone - 136			Zn Tot/Ave	0	0.0	342	2,355	1,958	72.7	688	83,643
Zone - 136			Zn Block	0	0.0	342	2,355	1,958	72.7	688	83,643
3- 3E-P-NW-CN	0	0.0	0	0.0	23	157	131	72.7	46	5,576	
Zone - 137			Zn Tot/Ave	0	0.0	23	157	131	72.7	46	5,576
Zone - 137			Zn Block	0	0.0	23	157	131	72.7	46	5,576
3- 3E-P-NW-CR	0	0.0	0	0.0	46	314	261	72.7	92	11,152	
Zone - 138			Zn Tot/Ave	0	0.0	46	314	261	72.7	92	11,152
Zone - 138			Zn Block	0	0.0	46	314	261	72.7	92	11,152
3- 3E-P-NW-PO	0	0.0	0	0.0	46	314	261	72.7	92	11,152	
Zone - 139			Zn Tot/Ave	0	0.0	46	314	261	72.7	92	11,152
Zone - 139			Zn Block	0	0.0	46	314	261	72.7	92	11,152
3- 3E-P-NE-CR	0	0.0	0	0.0	13	-15	199	72.1	5	3,596	
Zone - 140			Zn Tot/Ave	0	0.0	13	-15	199	72.1	5	3,596
Zone - 140			Zn Block	0	0.0	13	-15	199	72.1	5	3,596
3- 3E-P-NE-OO	0	0.0	0	0.0	99	-110	1,489	72.1	41	26,957	
Zone - 141			Zn Tot/Ave	0	0.0	99	-110	1,489	72.1	41	26,957
Zone - 141			Zn Block	0	0.0	99	-110	1,489	72.1	41	26,957
3- 3E-P-NE-CN	0	0.0	0	0.0	7	-7	99	72.1	3	1,798	
Zone - 142			Zn Tot/Ave	0	0.0	7	-7	99	72.1	3	1,798
Zone - 142			Zn Block	0	0.0	7	-7	99	72.1	3	1,798
3- 3E-P-SE-OO	0	0.0	0	0.0	262	-1,632	-938	72.2	131	75,424	
Zone - 143			Zn Tot/Ave	0	0.0	262	-1,632	-938	72.2	131	75,424
Zone - 143			Zn Block	0	0.0	262	-1,632	-938	72.2	131	75,424
3- 3E-P-NE-PO	0	0.0	0	0.0	13	-15	199	72.1	5	3,596	
Zone - 144			Zn Tot/Ave	0	0.0	13	-15	199	72.1	5	3,596
Zone - 144			Zn Block	0	0.0	13	-15	199	72.1	5	3,596

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
3- 3E-P-SE-CR	0	0.0	0	0.0	35	-218	-125	72.2	17	10,056
Zone - 145										
Zn Tot/Ave	0	0.0	0	0.0	35	-218	-125	72.2	17	10,056
Zn Block	0	0.0	0	0.0	35	-218	-125	72.2	17	10,056
3- 3E-P-SE-PO	0	0.0	0	0.0	35	-218	-125	72.2	17	10,056
Zone - 146										
Zn Tot/Ave	0	0.0	0	0.0	35	-218	-125	72.2	17	10,056
Zn Block	0	0.0	0	0.0	35	-218	-125	72.2	17	10,056
3- 3E-P-SE-CN	0	0.0	0	0.0	17	-109	-63	72.2	9	5,031
Zone - 147										
Zn Tot/Ave	0	0.0	0	0.0	17	-109	-63	72.2	9	5,031
Zn Block	0	0.0	0	0.0	17	-109	-63	72.2	9	5,031
3- 3W-P-S-CR	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 148										
Zn Tot/Ave	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zn Block	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
3- 3W-P-S-OO	0	0.0	0	0.0	77	-699	-911	72.3	61	31,374
Zone - 149										
Zn Tot/Ave	0	0.0	0	0.0	77	-699	-911	72.3	61	31,374
Zn Block	0	0.0	0	0.0	77	-699	-911	72.3	61	31,374
3- 3W-P-S-CN	0	0.0	0	0.0	5	-47	-61	72.3	4	2,092
Zone - 150										
Zn Tot/Ave	0	0.0	0	0.0	5	-47	-61	72.3	4	2,092
Zn Block	0	0.0	0	0.0	5	-47	-61	72.3	4	2,092
3- 3W-P-S-PO	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zone - 151										
Zn Tot/Ave	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
Zn Block	0	0.0	0	0.0	10	-93	-122	72.3	8	4,183
3- 3W-P-SW-CR	0	0.0	0	0.0	21	88	18	72.6	34	7,486
Zone - 152										
Zn Tot/Ave	0	0.0	0	0.0	21	88	18	72.6	34	7,486
Zn Block	0	0.0	0	0.0	21	88	18	72.6	34	7,486
3- 3W-P-SW-OO	0	0.0	0	0.0	161	661	133	72.6	251	56,151
Zone - 153										
Zn Tot/Ave	0	0.0	0	0.0	161	661	133	72.6	251	56,151
Zn Block	0	0.0	0	0.0	161	661	133	72.6	251	56,151
<b>AHUs vav w/ rh</b>										
Sys Tot/Ave	0	0.0	0	0.0	14,213	134,906	300,224	72.6	24,906	1,809,669
Sys Block	0	0.0	0	0.0	14,213	161,173	408,542	72.7	26,922	1,394,235

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
4- 4W-P-NW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 001	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-NW-MS			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 002	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-SW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 003	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-SW-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 004	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-SW-MS			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 005	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-S-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 006	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
4- 4W-P-S-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 007	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-M			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 008	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-OO			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 009	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-S			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 010	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0
1W-P-SW-L			0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 011	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 011	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uftr Plen °F	Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
	1E-I-M	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 012	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 012	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-SW-R	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 014	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 014	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-S-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 015	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 015	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-S-S	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 016	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 016	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-S-M	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 017	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 017	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-S-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 018	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 018	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-S-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 019	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 019	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1W-P-S-R	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 020	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 020	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-SE-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 021	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 021	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-SE-S	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 022	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 022	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-SE-M	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 023	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 023	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uftr Plen °F	Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
	1E-P-SE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 024	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 024	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-SE-R	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 025	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 025	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-SE-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 026	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 026	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NE-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 027	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 027	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NE-S	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 028	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 028	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NE-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 029	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 029	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NE-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 030	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 030	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NE-M	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 031	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 031	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 032	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 032	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NE-R	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 033	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 033	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	1E-P-NW-S	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 034	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 034	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	4- 4W-P-N-MS	0	0	0.0	0.0	0.0	0	0	0	0	



# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature Entering Ufir Plen °F	--- Supply Temperature Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 035	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 035	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 036	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 036	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 037	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 037	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-I-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 038	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 038	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 039	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 039	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	IE-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 040	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 040	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 041	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 041	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 042	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 042	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 043	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 043	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 044	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 044	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-P-S-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 045	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 045	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 046	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 046	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-SW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 047	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 048	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 049	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 050	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-P-SE-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 051	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 052	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 053	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-MS		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 054	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 055	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 056	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	4- 4W-I-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 057	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 057	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR			SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uflr Plen °F	--- Supply Temperature Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone	Room										
	4-	4W-I-MS	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 058	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 058	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4W-I-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 059	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 059	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NW-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 060	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 060	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NW-MS	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 061	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 061	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-W-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 062	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 062	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NE-MS	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 063	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 063	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NE-L	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 064	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 064	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	4-	4E-P-NE-00	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 065	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 065	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	3-	3W-P-N-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 066	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 066	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	3-	3W-P-N-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 067	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 067	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	
	3-	3W-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 068	Zn Tot/Ave		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 068	Zn Block		0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature ---		Uflr Plenum Air Heat Pickup °F	CONDUCTION HEAT GAIN / LOSSES					
			Entering Uflr Plen °F	Leaving Uflr Plen °F		Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
3- 3W-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 069	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 069	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
3- 3W-P-SW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 070	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 070	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
3- 3W-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 071	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 071	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
3- 3W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 072	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 072	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
3- 3W-P-SW-CN	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 073	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 073	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2W-P-S-OO	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 074	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 074	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2W-P-S-CN	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 075	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 075	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2E-P-SE-CN	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 076	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 076	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2E-P-SE-PO	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 077	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 077	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2W-P-S-CR	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 078	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 078	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2E-P-SE-CR	0	0	0.0	0.0	0.0	0	0	0	0	0	0
Zone - 079	Zn Tot/Ave	0	0	0.0	0.0	0	0	0	0	0	0
Zone - 079	Zn Block	0	0	0.0	0.0	0	0	0	0	0	0
2- 2E-P-NE-PO	0	0	0.0	0.0	0.0	0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 080	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 080	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 081	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 082	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NE-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 083	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 084	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 085	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 086	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 087	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2E-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 088	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 089	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 090	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 091	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 091	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2E-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 092	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 092	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-NW-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 093	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 093	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2E-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 094	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 094	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 095	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 095	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	2- 2E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 096	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 096	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-N-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 097	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 097	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-N-S		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 098	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 098	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-N-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 099	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 099	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-N-M		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 100	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 100	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-N-L		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 101	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 101	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	1W-P-N-R		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 102	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 102	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

System	Zone	Room	SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
			Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature Entering Uftr Plen °F	--- Supply Temperature Leaving Uftr Plen °F	Uftr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
		1W-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 103	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 103	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1W-P-NW-S	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 104	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 104	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 105	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 105	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2E-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 106	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 106	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-SW-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 107	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 107	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 108	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 108	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-SW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 109	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 109	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-NW-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 110	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 110	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-NW-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 111	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 111	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		2- 2W-P-NW-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 112	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 112	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
		1W-I-M	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 113	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 113	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

System Zone Room	Supply Airflow into Uftr Plen cfm	Uftr Plen Air Leakage To Space cfm	--- Supply Temperature ---		Uftr Plenum Air Heat Pickup °F	CONDUCTION HEAT GAIN / LOSSES				
			Entering Uftr Plen °F	Leaving Uftr Plen °F		Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
1W-I-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 114 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 114 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-I-S	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 115 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 115 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1W-I-CN	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 116 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 116 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-R	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 117 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 117 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-L	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 118 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 118 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-M	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 119 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 119 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
1E-P-NW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 120 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 120 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-S-PO	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 121 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 121 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-SW-CR	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 122 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 122 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-SW-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 123 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 123 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-N-OO	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 124 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 124 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
2- 2W-P-N-CN	0	0	0.0	0.0	0.0	0	0	0	0	0



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
Zone - 125	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 125	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-P-N-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 126	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 126	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
2- 2W-P-N-PO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 127	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 127	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 128	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 128	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 129	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 129	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 130	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 130	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 131	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 131	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 132	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 132	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-CR		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 133	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 133	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-CN		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 134	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 134	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3W-I-SM		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 135	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 135	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
3- 3E-P-NW-OO		0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 136	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES					
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h	
System	Zone Room											
	Zone - 136	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NW-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 137	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 137	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NW-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 138	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 138	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NW-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 139	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 139	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 140	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 140	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 141	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 141	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 142	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 142	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-OO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 143	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 143	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-NE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 144	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 144	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-CR		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 145	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 145	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-PO		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 146	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 146	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	3- 3E-P-SE-CN		0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 147	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 147	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

## at Space Peak

By Trial

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Ufir Plen cfm	Ufir Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Ufir Plen °F	Leaving Ufir Plen °F	Ufir Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
	3- 3W-P-S-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 148	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 148	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-S-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 149	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 149	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-S-CN	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 150	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 150	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-S-PO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 151	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 151	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-SW-CR	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 152	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 152	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
	3- 3W-P-SW-OO	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 153	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
Zone - 153	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	
AHUs vav w/ rh	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	
AHUs vav w/ rh	Sys Block	0	0	0.0	0.0	0.0	0	0	0	0	

# Room Checksums

By Trial

1E-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0	
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	6,422	6,422	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	6,422	6,422	
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	6,422	6,422	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0	
Infiltration	15,800	15,800	34	4,931	19	-29,587	-29,587	10.20	-29,587	-29,587	10.20	Infil	369	369	
Sub Total ==>	15,800	15,800	34	4,931	19	Sub Total ==>	-29,587	10.20	Sub Total ==>	-29,587	10.20	MinStop/Rh	642	6,422	
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	6,791	6,791	
Lights	9,863	0	9,863	21	9,863	38	0	0.00	0	0	0.00	Exhaust	369	369	
People	10,105	0	10,105	22	5,614	22	0	0.00	0	0	0.00	Rm Exh	0	0	
Misc	4,767	0	4,767	10	4,767	19	0	0.00	0	0	0.00	Auxiliary	0	0	
Sub Total ==>	24,735	0	24,735	53	20,244	79	0	0.00	0	0	0.00	Leakage Dwn	0	0	
Sub Total ==>	24,735	0	24,735	53	20,244	79	0	0.00	0	0	0.00	Leakage Ups	0	0	
Ceiling Load	568	-568	0	0	568	2	-399	0.00	-399	0	0.00	<b>ENGINEERING CKS</b>			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00	
Dehumid. Ov Sizing	0	0	0	0	0	0	-141,534	48.81	-141,534	-141,534	48.81	cfm/ton	1,661.03		
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.06	0	0	-0.06	ft²/ton	830.52		
Exhaust Heat	0	-229	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31	
Sup. Fan Heat	0	6,089	13	0	0	0	0	0.00	0	0	0.00	No. People	22.5	7.0/1000 ft²	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00				
Grand Total ==>	41,103	-797	46,395	100.00	25,743	100.00	Grand Total ==>	-171,520	100.00	Grand Total ==>	-289,976	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	3.9	46.4	31.0	6,422	72.8	59.9	56.6	54.4	52.7	56.6	Floor	3,211		Main Htg	-290.0	6,422	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-120.4	6,422	54.2	71.0
<b>Total</b>	<b>3.9</b>	<b>46.4</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-290.0</b>			

# Room Checksums

By Trial

1E-I-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	2,569	2,569
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	6,320	6,320	34	1,972	19	Infiltration	-11,835	10.20	Infiltration	-11,835	10.20	Infil	148	148
Sub Total ==>	6,320	6,320	34	1,972	19	Sub Total ==>	-11,835	10.20	Sub Total ==>	-11,835	10.20	MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,717	2,717
Lights	3,945	0	3,945	21	3,945	Lights	0	0.00	Lights	0	0.00	Exhaust	148	148
People	4,042	0	4,042	22	2,245	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	1,907	0	1,907	10	1,907	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	9,894	0	9,894	53	8,098	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	227	-227	0	0	227	<b>Ceiling Load</b>	-160	0.00	<b>Ceiling Load</b>	-160	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	1,661.03	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-56,613	48.81	<b>Ov/Undr Sizing</b>	-56,613	48.81	ft²/ton	830.52	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	64	-0.06	<b>Exhaust Heat</b>	64	-0.06	Btu/hr-ft²	14.45	-90.31
<b>Exhaust Heat</b>	-92	-92	0	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	9.0	7.0/1000 ft²
<b>Sup. Fan Heat</b>	2,436	2,436	13	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-46,262	39.88	<b>Additional Reheat</b>	-46,262	39.88			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-1,345	1.16	<b>System Plenum Heat</b>	-1,345	1.16			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	16,441	-319	18,558	100.00	10,297	<b>Grand Total ==&gt;</b>	-68,608	100.00	<b>Grand Total ==&gt;</b>	-115,990	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
Main Clg	1.6	18.6	12.4	2,569	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,284	54.4	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0.0		
<b>Total</b>	1.6	18.6									ExFlr	0	0.0	0.0		
											Roof	0	0.0	0.0		
											Wall	0	0.0	0.0		
											Ext Door	0	0.0	0.0		
											<b>Total</b>	-116.0	54.4	95.0		

# Room Checksums

By Trial

1E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	7,706	7,706
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	7,706	7,706
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	7,706	7,706
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	18,961	18,961	34	5,917	19	Infiltration	-35,505	10.20	Infiltration	-35,505	10.20	Infil	443	443
Sub Total ==>	18,961	18,961	34	5,917	19	Sub Total ==>	-35,505	10.20	Sub Total ==>	-35,505	10.20	MinStop/Rh	771	7,706
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	8,150	8,150
Lights	11,836	0	11,836	21	11,836	Lights	0	0.00	Lights	0	0.00	Exhaust	443	443
People	12,125	0	12,125	22	6,736	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	5,721	0	5,721	10	5,721	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	29,682	0	29,682	53	24,293	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
Ceiling Load	681	-681	0	0	681	Ceiling Load	-479	0.00	Ceiling Load	-479	0.00	% OA	0.0	0.0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	cfm/ft²	2.00	2.00
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ton	1,661.03	
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-169,840	48.81	Ov/Undr Sizing	-169,840	48.81	ft²/ton	830.52	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	193	-0.06	Exhaust Heat	193	-0.06	Btu/hr-ft²	14.45	-90.31
Exhaust Heat	0	-275	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	No. People	26.9	7.0/1000 ft²
Sup. Fan Heat	0	7,307	13	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00			
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-138,786	39.88	Additional Reheat	-138,786	39.88			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-4,034	1.16	System Plenum Heat	-4,034	1.16			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	49,324	-956	55,674	100.00	30,892	Grand Total ==>	-205,824	100.00	Grand Total ==>	-347,971	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	4.6	55.7	37.2	7,706	72.8	59.9	56.6	54.4	52.7	56.6	Floor	3,853		Main Htg	-348.0	7,706	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-144.5	7,706	54.2	71.0
<b>Total</b>	<b>4.6</b>	<b>55.7</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-348.0</b>			

# Room Checksums

By Trial

1E-I-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	Cooling	Heating
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	3,853	3,853
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	3,853	3,853
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	9,480		9,480	34	2,959	19	-17,752	10.20	-17,752	-17,752	10.20	AHU Vent	0	0
Sub Total ==>	9,480	0	9,480	34	2,959	19	-17,752	10.20	-17,752	-17,752	10.20	Infil	222	222
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	385	3,853
Lights	5,918	0	5,918	21	5,918	38	0	0.00	0	0	0.00	Return	4,075	4,075
People	6,063	0	6,063	22	3,368	22	0	0.00	0	0	0.00	Exhaust	222	222
Misc	2,860	0	2,860	10	2,860	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	14,841	0	14,841	53	12,146	79	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-341	0	0	341	2	-239	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing			0	0			0	0.00	-84,920	-84,920	48.81	% OA	0.0	0.0
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	97	-0.06	cfm/ft²	2.00	2.00
Exhaust Heat		-138	-138	0			0	0.00	0	0	0.00	cfm/ton	1,661.03	
Sup. Fan Heat			3,653	13			0	0.00	0	0	0.00	ft²/ton	830.52	
Ret. Fan Heat		0	0	0			0	0.00	-69,393	39.88	-1.16	Btu/hr-ft²	14.45	-90.31
Duct Heat Pkup		0	0	0			0	0.00	-2,017	1.16		No. People	13.5	7.0/1000 ft²
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00			
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>24,662</b>	<b>-478</b>	<b>27,837</b>	<b>100.00</b>	<b>15,446</b>	<b>100.00</b>	<b>-102,912</b>	<b>100.00</b>	<b>-173,986</b>	<b>-173,986</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	2.3	27.8	18.6	3,853	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,927		Main Htg	-174.0	3,853	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>2.3</b>	<b>27.8</b>									ExFlr	0		Reheat	-72.3	3,853	54.2	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-174.0</b>			

# Room Checksums

By Trial

1E-I-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	6,320	0	6,320	34	1,972	19	-11,835	10.20	-11,835	-11,835	10.20	AHU Vent	0	0
Sub Total ==>	6,320	0	6,320	34	1,972	19	-11,835	10.20	-11,835	-11,835	10.20	Infil	148	148
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	257	2,569
Lights	3,945	0	3,945	21	3,945	38	0	0.00	0	0	0.00	Return	2,717	2,717
People	4,042	0	4,042	22	2,245	22	0	0.00	0	0	0.00	Exhaust	148	148
Misc	1,907	0	1,907	10	1,907	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	9,894	0	9,894	53	8,098	79	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Dwn	0	0
Ventilation Load	0	-227	0	0	227	2	-160	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-56,613	48.81	-56,613	-56,613	48.81		Cooling	Heating
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Exhaust Heat	0	-92	-92	0	0	0	64	-0.06	0	0	0.00	cfm/ft²	2.00	2.00
Sup. Fan Heat	0	2,436	2,436	13	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.03	
Ret. Fan Heat	0	0	0	0	0	0	-46,262	39.88	-46,262	-46,262	39.88	ft²/ton	830.52	
Duct Heat Pkup	0	0	0	0	0	0	-1,345	1.16	-1,345	-1,345	1.16	Btu/hr-ft²	14.45	-90.31
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>16,441</b>	<b>-319</b>	<b>18,558</b>	<b>100.00</b>	<b>10,297</b>	<b>100.00</b>	<b>-68,608</b>	<b>100.00</b>	<b>-68,608</b>	<b>-115,990</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.6	18.6	12.4	2,569	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,284	Main Htg	-116.0	2,569	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-48.2	2,569	54.2	71.0
<b>Total</b>	<b>1.6</b>	<b>18.6</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-116.0</b>			



# Room Checksums

By Trial

1E-P-NE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,375	0	4,375	58	4,611	100	0	0.00	0	0	0.00	Diffuser	243	230
Glass/Door Cond	-101	0	-101	-1	-246	-5	-1,947	18.76	-1,947	-1,947	18.76	Terminal	243	230
Wall Cond	62	25	87	1	58	1	-212	2.87	-212	-297	2.87	Main Fan	243	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	145	0	145	2	-129	-3	-1,059	10.20	-1,059	-1,059	10.20	Infil	13	13
Sub Total ==>	4,481	25	4,506	60	4,294	94	-3,218	31.83	-3,218	-3,303	31.83	MinStop/Rh	23	230
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	256	243
Lights	141	0	141	2	141	3	0	0.00	0	0	0.00	Exhaust	13	13
People	87	0	87	1	39	1	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	113	0	113	2	113	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	341	0	341	5	293	6	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	4	-4	0	0	2	0	-14	0.00	-14	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	388.40	
Ov/Undr Sizing	2,420	0	2,420	32	0	0	-2,905	28.00	-2,905	-2,905	28.00	ft²/ton	183.97	
Exhaust Heat	0	-2	-2	0	0	0	6	-0.06	6	6	-0.06	Btu/hr-ft²	65.23	-90.31
Sup. Fan Heat	0	0	230	3	0	0	0	0.00	0	0	0.00	No. People	0.8	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,246	19	7,495	100.00	4,589	100.00	-6,138	100.00	-6,138	-10,376	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F									°F
Main Clg	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	41.1	Floor	115		Main Htg	-10.4	230	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-4.3	230	54.2	71.0	
<b>Total</b>	<b>0.6</b>	<b>7.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	124	60	48	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-10.4</b>			

# Room Checksums

By Trial

1E-P-NE-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	10,934	0	10,934	58	11,522	100	0	0.00	0	0	0.00	Diffuser	606	575
Glass/Door Cond	-253	0	-253	-1	-614	-5	-4,866	18.76	-4,866	-4,866	18.76	Terminal	606	575
Wall Cond	155	62	218	1	145	1	-531	2.86	-531	-743	2.86	Main Fan	606	575
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	361	0	361	2	-324	-3	-2,647	10.20	-2,647	-2,647	10.20	Infil	33	33
Sub Total ==>	11,197	62	11,259	60	10,730	94	-8,043	31.82	-8,043	-8,255	31.82	MinStop/Rh	57	575
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	639	608
Lights	353	0	353	2	353	3	0	0.00	0	0	0.00	Exhaust	33	33
People	218	0	218	1	98	1	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	282	0	282	2	282	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	853	0	853	5	733	6	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-11	0	0	6	0	-36	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Ov/Undr Sizing	6,050	0	6,050	32	0	0	-7,265	28.01	-7,265	-7,265	28.01	cfm/ton	388.32	
Exhaust Heat	0	-4	0	0	0	0	0	-0.06	0	0	-0.06	ft²/ton	184.01	
Sup. Fan Heat	0	0	574	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	65.21	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	18,112	47	18,733	100.00	11,468	100.00	-15,344	100.00	-15,344	-25,941	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	1.6	18.7	18.1	605	72.4	59.8	56.6	54.4	48.4	41.0	Floor	287		Main Htg	-25.9	575	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	1.6	18.7									ExFlr	0		Reheat	-10.8	575	54.2	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	310	150	48	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-25.9			

# Room Checksums

By Trial

1E-P-NE-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1			Ra Plenum		70.6	Return	72.1	70.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	72.1	0.1	0.0	0.0		
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser		243	230		
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal		243	230		
Roof Cond	0	0	0	0	0	0	0	0.00	Main Fan		243	230		
Glass Solar	4,375	0	4,375	58	4,611	100	0	0.00	Sec Fan		0	0		
Glass/Door Cond	-101	0	-101	-1	-246	-5	-1,947	18.76	Nom Vent		0	0		
Wall Cond	62	25	87	1	58	1	-212	2.87	AHU Vent		0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	Infil		13	13		
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh		23	230		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return		256	243		
Infiltration	145	0	145	2	-129	-3	-1,059	10.20	Exhaust		13	13		
Sub Total ==>	4,481	25	4,506	60	4,294	94	-3,218	31.83	Rm Exh		0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	141	0	141	2	141	3	0	0.00	% OA		0.0	0.0		
People	87	0	87	1	39	1	0	0.00	cfm/ft²		2.11	2.00		
Misc	113	0	113	2	113	2	0	0.00	cfm/ton		388.40			
Sub Total ==>	341	0	341	5	293	6	0	0.00	ft²/ton		183.97			
Ceiling Load	4	-4	0	0	2	0	-14	0.00	Btu/hr-ft²		65.23	-90.31		
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People		0.8	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,905	28.00						
Ov/Undr Sizing	2,420	0	2,420	32	0	0	6	-0.06						
Exhaust Heat	0	-2	-2	0	0	0	0	0.00						
Sup. Fan Heat	0	0	230	3	0	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	-4,139	39.88						
Underflr Sup Ht Pkup	0	0	0	0	0	0	-35	0.34						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	7,246	19	7,495	100.00	4,589	100.00	-6,138	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	41.1	Floor	115		Main Htg	-10.4	230	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
Total	0.6	7.5									ExFlr	0		Reheat	-4.3	230	54.2	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	124	60	48	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-10.4			

# Room Checksums

By Trial

1E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	13,121	0	13,121	58	13,828	100	0	0.00	0	0	0.00	Diffuser	727	689
Glass/Door Cond	-304	0	-304	-1	-737	-5	-5,839	18.76	-5,839	-5,839	18.76	Terminal	727	689
Wall Cond	187	75	261	1	174	1	-637	2.86	-637	-892	2.86	Main Fan	727	689
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	434	0	434	2	-388	-3	-3,176	10.20	-3,176	-3,176	10.20	Infil	40	40
Sub Total ==>	13,438	75	13,512	60	12,877	94	-9,652	31.82	-9,652	-9,907	31.82	MinStop/Rh	69	689
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	767	729
Lights	424	0	424	2	424	3	0	0.00	0	0	0.00	Exhaust	40	40
People	262	0	262	1	118	1	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	338	0	338	2	338	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,024	0	1,024	5	879	6	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-13	0	0	7	0	-43	0.00	-43	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Ov/Undr Sizing	7,260	0	7,260	32	0	0	-8,718	28.01	-8,718	-8,718	28.01	cfm/ton	388.34	
Exhaust Heat	0	-5	-5	0	0	0	0	-0.06	0	0	-0.06	ft²/ton	184.00	
Sup. Fan Heat	0	689	689	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	65.22	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.4	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>21,735</b>	<b>56</b>	<b>22,480</b>	<b>100.00</b>	<b>13,763</b>	<b>100.00</b>	<b>-18,413</b>	<b>100.00</b>	<b>-18,413</b>	<b>-31,129</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	1.9	22.5	21.8	727	72.4	59.8	56.6	54.4	48.4	41.0	Floor	345		Main Htg	-31.1	689	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-12.9	689	54.2	71.0	
<b>Total</b>	<b>1.9</b>	<b>22.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	372	180	48	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-31.1</b>			

# Room Checksums

By Trial

1E-P-NE-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	6,172	0	6,172	66	6,595	78	0	0.00	0	0	0.00	Diffuser	447	345
Glass/Door Cond	413	0	413	4	364	4	-2,918	18.75	-2,918	-446	2.86	Terminal	447	345
Wall Cond	172	68	240	3	179	2	-318	2.86	-446	0	0.00	Main Fan	447	345
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	789	0	789	8	194	2	-1,588	10.20	-1,588	0	0.00	Infil	20	20
Sub Total ==>	7,546	68	7,614	81	7,332	87	-4,825	31.82	-4,952	0	0.00	MinStop/Rh	34	345
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	467	365
Lights	529	0	529	6	529	6	0	0.00	0	0	0.00	Exhaust	20	20
People	542	0	542	6	301	4	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	275	0	275	3	275	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,347	0	1,347	14	1,106	13	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-24	0	0	24	0	-21	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.60	2.00
Ov/Undr Sizing	0	0	0	0	0	0	-4,360	28.01	-4,360	9	-0.06	cfm/ton	573.53	
Exhaust Heat	0	-10	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	221.02	
Sup. Fan Heat	0	0	407	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	54.29	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	1.2	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	8,916	35	9,358	100.00	8,461	100.00	-9,206	100.00	-15,564	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.8	9.4	8.6	429	72.7	59.9	56.6	54.4	52.1	54.4	Floor	172		-15.6	345	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-6.5	345	54.2	71.0	
<b>Total</b>	0.8	9.4									Roof	0	0	0.0	0	0.0	0.0	
											Wall	186	90	48	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
											<b>Total</b>			-15.6				

# Room Checksums

By Trial

1E-P-NE-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	4,375	0	4,375	58	4,611	100	0	0.00						
Glass/Door Cond	-101	0	-101	-1	-246	-5	-1,947	18.76						
Wall Cond	62	25	87	1	58	1	-212	2.87						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	145	0	145	2	-129	-3	-1,059	10.20						
<i>Sub Total ==&gt;</i>	<i>4,481</i>	<i>25</i>	<i>4,506</i>	<i>60</i>	<i>4,294</i>	<i>94</i>	<i>-3,218</i>	<i>31.83</i>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	141	0	141	2	141	3	0	0.00						
People	87	0	87	1	39	1	0	0.00						
Misc	113	0	113	2	113	2	0	0.00						
<i>Sub Total ==&gt;</i>	<i>341</i>	<i>0</i>	<i>341</i>	<i>5</i>	<i>293</i>	<i>6</i>	<i>0</i>	<i>0.00</i>						
<b>Ceiling Load</b>	4	-4	0	0	2	0	-14	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-2,905	28.00						
<b>Ov/Undr Sizing</b>	2,420		2,420	32	0	0	6	-0.06						
<b>Exhaust Heat</b>		-2	-2	0			0	0.00						
<b>Sup. Fan Heat</b>			230	3			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-4,139	39.88						
<b>Duct Heat Pkup</b>		0	0	0			-35	0.34						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	<b>7,246</b>	<b>19</b>	<b>7,495</b>	<b>100.00</b>	<b>4,589</b>	<b>100.00</b>	<b>-6,138</b>	<b>-10,376</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	243	230
<b>Terminal</b>	243	230
<b>Main Fan</b>	243	230
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	13	13
<b>MinStop/Rh</b>	23	230
<b>Return</b>	256	243
<b>Exhaust</b>	13	13
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.11	2.00
<b>cfm/ton</b>	388.40	
<b>ft²/ton</b>	183.97	
<b>Btu/hr-ft²</b>	65.23	-90.31
<b>No. People</b>	0.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	41.1
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.5								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	115		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	124	60	48
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-10.4	230	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-4.3	230	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-10.4			

# Room Checksums

By Trial

1E-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	9,162	0	9,162	56	71	0	0	0.00	0	0	0.00	Diffuser	793	793
Glass/Door Cond	614	0	614	4	4	-4,332	-4,332	12.10	-4,332	-4,332	12.10	Terminal	793	793
Wall Cond	417	129	547	3	3	-774	-1,015	2.83	-774	-1,015	2.83	Main Fan	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,815	0	1,815	11	3	-3,654	-3,654	10.20	-3,654	-3,654	10.20	Infil	46	46
Sub Total ==>	12,007	129	12,137	74	81	-8,760	-9,002	25.13	-8,760	-9,002	25.13	MinStop/Rh	79	793
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	839	839
Lights	1,218	0	1,218	7	9	0	0	0.00	0	0	0.00	Exhaust	46	46
People	1,248	0	1,248	8	5	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	633	0	633	4	5	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,099	0	3,099	19	18	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-54	0	0	0	-49	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	501	0	501	3	0	-12,375	-12,375	34.55	-12,375	-12,375	34.55	cfm/ton	578.02	
Exhaust Heat	0	-22	-22	0	0	0	20	-0.06	0	0	-0.06	ft²/ton	289.01	
Sup. Fan Heat	0	0	752	5	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	41.52	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>15,662</b>	<b>53</b>	<b>16,467</b>	<b>100.00</b>	<b>13,810</b>	<b>100.00</b>	<b>-21,185</b>	<b>-35,816</b>	<b>100.00</b>	<b>-21,185</b>	<b>-35,816</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.4	16.5	14.6	793	72.7	59.9	56.6	54.4	52.5	56.0	Floor	397	Main Htg	-35.8	793	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-14.9	793	54.2	71.0
<b>Total</b>	<b>1.4</b>	<b>16.5</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	352	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-35.8</b>			

# Room Checksums

By Trial

1E-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.4	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	22,904	0	22,904	56	71	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	1,534	0	1,534	4	4	-10,830	-10,830	12.10	-10,830	-10,830	12.10	Diffuser	1,982	1,982
Wall Cond	1,044	323	1,367	3	3	-1,935	-2,537	2.84	-1,935	-2,537	2.84	Terminal	1,982	1,982
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,982	1,982
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	4,533	0	4,533	11	3	-9,129	-9,129	10.20	-9,129	-9,129	10.20	AHU Vent	0	0
Sub Total ==>	30,015	323	30,339	74	81	-21,894	-22,497	25.14	-21,894	-22,497	25.14	Infil	114	114
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	198	1,982
Lights	3,043	0	3,043	7	9	0	0	0.00	0	0	0.00	Return	2,095	2,095
People	3,118	0	3,118	8	5	0	0	0.00	0	0	0.00	Exhaust	114	114
Misc	1,581	0	1,581	4	5	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	7,742	0	7,742	19	18	0	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-135	0	0	0	-123	0	0.00	-123	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Ov/Undr Sizing	1,253	0	1,253	3	0	-30,905	-30,905	34.54	-30,905	-30,905	34.54	cfm/ft²	2.00	2.00
Exhaust Heat	0	-55	-55	0	0	0	50	-0.06	0	50	-0.06	cfm/ton	577.73	
Sup. Fan Heat	0	1,879	1,879	5	0	0	0	0.00	0	0	0.00	ft²/ton	288.87	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	41.54	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	6.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>39,145</b>	<b>133</b>	<b>41,157</b>	<b>100.00</b>	<b>34,518</b>	<b>100.00</b>	<b>-52,922</b>	<b>-89,472</b>	<b>100.00</b>	<b>-52,922</b>	<b>-89,472</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	3.4	41.2	36.5	1,982	72.7	59.9	56.6	54.4	52.5	55.9	Floor	991	Main Htg	-89.5	1,982	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-37.2	1,982	54.2	71.0
<b>Total</b>	<b>3.4</b>	<b>41.2</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	880	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-89.5</b>			



# Room Checksums

By Trial

1E-P-NW-M

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES								
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling		Heating								
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1						SADB		Ra Plenum								
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total												
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)												
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>								
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling		Heating									
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser		793		793							
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal		793		793							
Glass Solar	9,162	0	9,162	56	9,790	71	0	0.00	0	0	0.00	Main Fan		793		793							
Glass/Door Cond	614	0	614	4	540	4	-4,332	12.10	-4,332	-4,332	12.10	Sec Fan		0		0							
Wall Cond	417	129	547	3	434	3	-774	2.83	-774	-1,015	2.83	Nom Vent		0		0							
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent		0		0							
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil		46		46							
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh		79		793							
Infiltration	1,815	0	1,815	11	447	3	0	0.00	-3,654	-3,654	10.20	Return		839		839							
<i>Sub Total ==&gt;</i>	12,007	129	12,137	74	11,211	81	-8,760	25.13	-8,760	-9,002	25.13	Exhaust		46		46							
<b>Internal Loads</b>					<b>Internal Loads</b>										Rm Exh		0		0				
Lights	1,218	0	1,218	7	1,218	9	0	0.00	0	0	0.00	Auxiliary		0		0							
People	1,248	0	1,248	8	693	5	0	0.00	0	0	0.00	Leakage Dwn		0		0							
Misc	633	0	633	4	633	5	0	0.00	0	0	0.00	Leakage Ups		0		0							
<i>Sub Total ==&gt;</i>	3,099	0	3,099	19	2,544	18	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>											
<b>Ceiling Load</b>					<b>Ceiling Load</b>										% OA		0.0		0.0				
Ventilation Load	0	-54	0	0	54	0	-49	0.00	0	0	0.00	cfm/ft²		2.00		2.00							
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton		578.02		578.02							
Dehumid. Ov Sizing	0	0	0	0	0	0	-12,375	34.55	-12,375	-12,375	34.55	ft²/ton		289.01		289.01							
Ov/Undr Sizing	501	0	501	3	0	0	0	-0.06	0	20	-0.06	Btu/hr-ft²		41.52		-90.31							
Exhaust Heat	0	-22	-22	0	0	0	0	0.00	0	0	0.00												
Sup. Fan Heat	0	0	752	5	0	0	0	0.00	0	0	0.00												
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-14,285	39.88												
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-174	0.49												
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00												
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00												
<b>Grand Total ==&gt;</b>	15,662	53	16,467	100.00	13,810	100.00	-21,185	100.00	-21,185	-35,816	100.00												

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvq °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.4	16.5	14.6	793	72.7	59.9	56.6	54.4	52.5	56.0	Floor	397	-35.8	793	54.4	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0		
											ExFlr	0	0.0	793	54.2	71.0		
											Roof	0	0	0	0.0	0.0		
<b>Total</b>	1.4	16.5									Wall	352	133	0	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0		
											<b>Total</b>	-35.8						

# Room Checksums

By Trial

1E-P-NW-00

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17			Mo/Hr: Heating Design							
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81			OADB: -1							
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Envelope Loads	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating	
Btu/h	Btu/h	Btu/h		Btu/h			Btu/h	Btu/h		Btu/h	Btu/h				
<b>Envelope Loads</b>					<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00	SADB	55.0	95.0
Skylite Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Ra Plenum	72.4	70.6
Roof Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	72.4	70.6
Glass Solar	27,485	0	27,485	56	29,371	71	0	0	0.00	0	0	0.00	Ret/OA	72.4	70.6
Glass/Door Cond	1,841	0	1,841	4	1,620	4	0	-12,997	12.10	0	-12,997	12.10	Fn MtrTD	0.1	0.0
Wall Cond	1,252	388	1,640	3	1,302	3	0	-2,322	2.84	0	-3,045	2.84	Fn BldTD	0.2	0.0
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	5,440	0	5,440	11	1,339	3	0	-10,955	10.20	-10,955	-10,955	10.20			
Sub Total ==>	36,018	388	36,406	74	33,632	81	0	-26,273	25.14	-26,273	-26,996	25.14			
<b>Internal Loads</b>					<b>Internal Loads</b>										
Lights	3,652	0	3,652	7	3,652	9	0	0	0.00	0	0	0.00			
People	3,741	0	3,741	8	2,079	5	0	0	0.00	0	0	0.00			
Misc	1,897	0	1,897	4	1,897	5	0	0	0.00	0	0	0.00			
Sub Total ==>	9,290	0	9,290	19	7,627	18	0	0	0.00	0	0	0.00			
<b>Ceiling Load</b>	162	-162	0	0	163	0	0	-148	0.00	0	0	0.00			
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	0	0			
<b>Dehumid. Ov Sizing</b>			0	0			0	-37,086	34.54	-37,086	-37,086	34.54			
<b>Ov/Undr Sizing</b>	1,504		1,504	3	0	0	0	60	-0.06	0	0	-0.06			
<b>Exhaust Heat</b>		-66	-66	0			0	0	0.00	0	0	0.00			
<b>Sup. Fan Heat</b>			2,255	5			0	0	0.00	0	0	0.00			
<b>Ret. Fan Heat</b>		0	0	0			0	-42,822	39.88	0	0	39.88			
<b>Duct Heat Pkup</b>		0	0	0			0	-521	0.49	0	0	0.49			
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>		0	0	0			0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>46,974</b>	<b>160</b>	<b>49,389</b>	<b>100.00</b>	<b>41,422</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-63,507</b>	<b>-107,366</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	2,378	2,378
Terminal	2,378	2,378
Main Fan	2,378	2,378
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	137	137
MinStop/Rh	238	2,378
Return	2,515	2,515
Exhaust	137	137
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	577.73	
ft²/ton	288.87	
Btu/hr-ft²	41.54	-90.31
No. People	8.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	4.1	49.4	43.8	2,378	72.7	59.9	56.6	54.4	52.5	55.9
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	4.1	49.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,189		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	1,055	400	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-107.4	2,378	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-44.6	2,378	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-107.4			

## Room Checksums

By Trial

1E-P-NW-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1			Ra Plenum	72.4	70.6	Return	72.4	70.6
Space Sens. + Lat.		Plenum Sens. + Lat		Net Total		Percent Of Total (%)		Space Sensible		Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	
Btu/h		Btu/h		Btu/h		Btu/h (%)		Btu/h (%)		Btu/h	Btu/h	Btu/h (%)		
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>						
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.0
Roof Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.0
Glass Solar	13,742	0	13,742	56	14,686	71	0	0	0	0	0	0.00	0	0.0
Glass/Door Cond	921	0	921	4	810	4	4	-6,498	-6,498	12.10	0	0.00	0	0.0
Wall Cond	626	194	820	3	651	3	3	-1,161	-1,522	2.84	0	0.00	0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0.00	0	0.00	0	0.0
Floor	0	0	0	0	0	0	0	0	0	0.00	0	0.00	0	0.0
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00	0	0.00	0	0.0
Infiltration	2,720	0	2,720	11	669	3	3	-5,477	-5,477	10.20	0	0.00	0	0.0
<b>Sub Total ==&gt;</b>	<b>18,009</b>	<b>194</b>	<b>18,203</b>	<b>74</b>	<b>16,816</b>	<b>81</b>	<b>81</b>	<b>-13,137</b>	<b>-13,498</b>	<b>25.14</b>	<b>-13,137</b>	<b>-13,498</b>	<b>25.14</b>	<b>25.14</b>
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>						
Lights	1,826	0	1,826	7	1,826	9	9	0	0	0.00	0	0.00	0	0.0
People	1,871	0	1,871	8	1,039	5	5	0	0	0.00	0	0.00	0	0.0
Misc	948	0	948	4	948	5	5	0	0	0.00	0	0.00	0	0.0
<b>Sub Total ==&gt;</b>	<b>4,645</b>	<b>0</b>	<b>4,645</b>	<b>19</b>	<b>3,814</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>
<b>Ceiling Load</b>	<b>81</b>	<b>-81</b>	<b>0</b>	<b>0</b>	<b>81</b>	<b>0</b>	<b>0</b>	<b>-74</b>	<b>0</b>	<b>0.00</b>	<b>-74</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-18,543</b>	<b>-18,543</b>	<b>34.54</b>	<b>-18,543</b>	<b>-18,543</b>	<b>34.54</b>	<b>34.54</b>
<b>Ov/Undr Sizing</b>	<b>752</b>	<b>0</b>	<b>752</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>-0.06</b>	<b>30</b>	<b>30</b>	<b>-0.06</b>	<b>-0.06</b>
<b>Exhaust Heat</b>	<b>0</b>	<b>-33</b>	<b>-33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>1,127</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-21,411</b>	<b>-21,411</b>	<b>39.88</b>	<b>-21,411</b>	<b>-21,411</b>	<b>39.88</b>	<b>39.88</b>
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-261</b>	<b>-261</b>	<b>0.49</b>	<b>-261</b>	<b>-261</b>	<b>0.49</b>	<b>0.49</b>
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total ==&gt;</b>	<b>23,487</b>	<b>80</b>	<b>24,694</b>	<b>100.00</b>	<b>20,711</b>	<b>100.00</b>	<b>100.00</b>	<b>-31,753</b>	<b>-53,683</b>	<b>100.00</b>	<b>-31,753</b>	<b>-53,683</b>	<b>100.00</b>	<b>100.00</b>

	Cooling	Heating
<b>SADB</b>	55.0	95.0
<b>Ra Plenum</b>	72.4	70.6
<b>Return</b>	72.4	70.6
<b>Ret/OA</b>	72.4	70.6
<b>Fn MtrTD</b>	0.1	0.0
<b>Fn BldTD</b>	0.2	0.0
<b>Fn Frict</b>	0.6	0.0

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,189	1,189
<b>Terminal</b>	1,189	1,189
<b>Main Fan</b>	1,189	1,189
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	68	68
<b>MinStop/Rh</b>	119	1,189
<b>Return</b>	1,257	1,257
<b>Exhaust</b>	68	68
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.00	2.00
<b>cfm/ton</b>	577.73	
<b>ft²/ton</b>	288.87	
<b>Btu/hr-ft²</b>	41.54	-90.31
<b>No. People</b>	4.2	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	2.1	24.7	21.9	1,189	72.7	59.9	56.6	54.4	52.5	55.9
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	2.1	24.7								

AREAS			
	Gross Total	Glass	(%)
	ft²	ft²	%
<b>Floor</b>	594		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	528	200	38
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-53.7	1,189	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-22.3	1,189	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-53.7			

# Room Checksums

By Trial

1E-P-NW-S

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1			SADB			Ra Plenum	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens							
<b>Envelope Loads</b>					<b>Envelope Loads</b>							<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser	793	793			
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal	793	793			
Roof Cond	0	0	0	0	0	0	0	0.00	Main Fan	793	793			
Glass Solar	9,162	0	9,162	56	9,790	71	0	0.00	Sec Fan	0	0			
Glass/Door Cond	614	0	614	4	540	4	-4,332	12.10	Nom Vent	0	0			
Wall Cond	417	129	547	3	434	3	-774	2.83	AHU Vent	0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	Infil	46	46			
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh	79	793			
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return	839	839			
Infiltration	1,815	0	1,815	11	447	3	-3,654	10.20	Exhaust	46	46			
Sub Total ==>	12,007	129	12,137	74	11,211	81	-8,760	25.13	Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>							<b>ENGINEERING CKS</b>		
Lights	1,218	0	1,218	7	1,218	9	0	0.00	% OA	0.0	0.0			
People	1,248	0	1,248	8	693	5	0	0.00	cfm/ft²	2.00	2.00			
Misc	633	0	633	4	633	5	0	0.00	cfm/ton	578.02				
Sub Total ==>	3,099	0	3,099	19	2,544	18	0	0.00	ft²/ton	289.01				
Ceiling Load	54	-54	0	0	54	0	-49	0.00	Btu/hr-ft²	41.52	-90.31			
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People	2.8	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00						
Dehumid. Ov Sizing			0	0			-12,375	34.55						
Ov/Undr Sizing	501		501	3	0	0	20	-0.06						
Exhaust Heat		-22	-22	0			0	0.00						
Sup. Fan Heat			752	5			0	0.00						
Ret. Fan Heat		0	0	0			-14,285	39.88						
Duct Heat Pkup		0	0	0			-174	0.49						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	<b>15,662</b>	<b>53</b>	<b>16,467</b>	<b>100.00</b>	<b>13,810</b>	<b>100.00</b>	<b>-21,185</b>	<b>100.00</b>						

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.4	16.5	14.6	793	72.7	59.9	56.6	54.4	52.5	56.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.4</b>	<b>16.5</b>								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	397		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	352	133	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-35.8	793	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-14.9	793	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-35.8</b>			

## Room Checksums

By Trial

1E-P-SE-CN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES																																													
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design			Mo/Hr: Heating Design					Cooling	Heating																																												
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1			OADB: -1			SADB	55.0	95.0																																													
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Return																																																
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Ret/OA																																																
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0																																											
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0																																														
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0																																														
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b> <table style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Cooling</th> <th>Heating</th> </tr> </thead> <tbody> <tr><td>Diffuser</td><td>729</td><td>607</td></tr> <tr><td>Terminal</td><td>729</td><td>607</td></tr> <tr><td>Main Fan</td><td>729</td><td>607</td></tr> <tr><td>Sec Fan</td><td>0</td><td>0</td></tr> <tr><td>Nom Vent</td><td>0</td><td>0</td></tr> <tr><td>AHU Vent</td><td>0</td><td>0</td></tr> <tr><td>Infil</td><td>35</td><td>35</td></tr> <tr><td>MinStop/Rh</td><td>61</td><td>607</td></tr> <tr><td>Return</td><td>764</td><td>642</td></tr> <tr><td>Exhaust</td><td>35</td><td>35</td></tr> <tr><td>Rm Exh</td><td>0</td><td>0</td></tr> <tr><td>Auxiliary</td><td>0</td><td>0</td></tr> <tr><td>Leakage Dwn</td><td>0</td><td>0</td></tr> <tr><td>Leakage Ups</td><td>0</td><td>0</td></tr> </tbody> </table>					Cooling	Heating	Diffuser	729	607	Terminal	729	607	Main Fan	729	607	Sec Fan	0	0	Nom Vent	0	0	AHU Vent	0	0	Infil	35	35	MinStop/Rh	61	607	Return	764	642	Exhaust	35	35	Rm Exh	0	0	Auxiliary	0	0	Leakage Dwn	0	0	Leakage Ups	0	0
	Cooling	Heating																																																										
Diffuser	729	607																																																										
Terminal	729	607																																																										
Main Fan	729	607																																																										
Sec Fan	0	0																																																										
Nom Vent	0	0																																																										
AHU Vent	0	0																																																										
Infil	35	35																																																										
MinStop/Rh	61	607																																																										
Return	764	642																																																										
Exhaust	35	35																																																										
Rm Exh	0	0																																																										
Auxiliary	0	0																																																										
Leakage Dwn	0	0																																																										
Leakage Ups	0	0																																																										
Glass Solar	12,516	0	12,516	57	12,516	91	0	0.00	0	0	0.00																																																	
Glass/Door Cond	-538	0	-538	-2	-538	-4	-3,765	-13.73	-3,765	-3,765	13.73																																																	
Wall Cond	248	83	331	2	248	2	-576	-2.80	-576	-769	2.80																																																	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Infiltration	-560	0	-560	-3	-373	-3	-2,798	-10.20	-2,798	-2,798	10.20																																																	
Sub Total ==>	11,666	83	11,749	54	11,852	86	-7,140	-26.74	-7,140	-7,333	26.74																																																	
<b>Internal Loads</b>					<b>Internal Loads</b>																																																							
Lights	933	0	933	4	933	7	0	0.00	0	0	0.00																																																	
People	956	0	956	4	531	4	0	0.00	0	0	0.00																																																	
Misc	466	0	466	2	466	3	0	0.00	0	0	0.00																																																	
Sub Total ==>	2,355	0	2,355	11	1,930	14	0	0.00	0	0	0.00																																																	
<b>Ceiling Load</b>					<b>Ceiling Load</b>																																																							
Ventilation Load	0	-9	0	0	9	0	-38	0.00	0	0	0.00																																																	
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Ov/Undr Sizing	7,069	0	7,069	32	0	0	-9,045	-32.98	-9,045	-9,045	32.98																																																	
Exhaust Heat	0	-4	0	0	0	0	15	-0.06	0	0	0.00																																																	
Sup. Fan Heat	0	0	691	3	0	0	0	0.00	0	0	0.00																																																	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00																																																	
Grand Total ==>	21,099	70	21,861	100.00	13,792	100.00	-16,223	-100.00	-16,223	-27,426	100.00																																																	

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity		Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.8	21.9	21.6	729	72.4	59.7	56.6	54.4	48.8	42.4	Floor	304	Main Htg	-27.4	607	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0	
											ExFlr	0	Reheat	-11.4	607	54.2	71.0	
<b>Total</b>	<b>1.8</b>	<b>21.9</b>									Roof	0	Humidif	0.0	0	0.0	0.0	
											Wall	281	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	<b>Total</b>	<b>-27.4</b>				

# Room Checksums

By Trial

1E-P-SE-L

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1						SADB	55.0	95.0			
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total									
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens										
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00								
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00								
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00								
Glass Solar	31,293	0	31,293	57	31,293	91	Glass Solar	0	0	0.00								
Glass/Door Cond	-1,346	0	-1,346	-2	-1,346	-4	Glass/Door Cond	-9,413	-9,413	13.73								
Wall Cond	620	208	827	2	620	2	Wall Cond	-1,441	-1,923	2.81								
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00								
Floor	0	0	0	0	0	0	Floor	0	0	0.00								
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00								
Infiltration	-1,400	0	-1,400	-3	-933	-3	Infiltration	-6,996	-6,996	10.20								
Sub Total ==>	29,167	208	29,375	54	29,634	86	Sub Total ==>	-17,850	-18,332	26.74								
<b>Internal Loads</b>					<b>Internal Loads</b>													
Lights	2,332	0	2,332	4	2,332	7	Lights	0	0	0.00								
People	2,389	0	2,389	4	1,327	4	People	0	0	0.00								
Misc	1,166	0	1,166	2	1,166	3	Misc	0	0	0.00								
Sub Total ==>	5,888	0	5,888	11	4,826	14	Sub Total ==>	0	0	0.00								
Ceiling Load	23	-23	0	0	23	0	Ceiling Load	-94	0	0.00								
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00								
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0								
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-22,612	-22,612	32.98								
Ov/Undr Sizing	17,673		17,673	32	0	0	Exhaust Heat		38	-0.06								
Exhaust Heat		-9	-9	0			OA Preheat Diff.		0	0.00								
Sup. Fan Heat			1,728	3			RA Preheat Diff.		0	0.00								
Ret. Fan Heat		0	0	0			Additional Reheat		-27,347	39.88								
Duct Heat Pkup		0	0	0			System Plenum Heat		-313	0.46								
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup		0	0.00								
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00								
Grand Total ==>	52,751	175	54,654	100.00	34,483	100.00	Grand Total ==>	-40,556	-68,566	100.00								

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	4.6	54.7	54.1	1,823	72.4	59.7	56.6	54.4	48.8	42.4	Floor	759		Main Htg	-68.6	1,519	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-28.5	1,519	54.2	71.0	
Total	4.6	54.7									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	704	290	41	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-68.6			

# Room Checksums

By Trial

1E-P-SE-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	12,516	0	12,516	57	12,516	91	0	0.00	Glass Solar	0	0.00	Diffuser	729	607
Glass/Door Cond	-538	0	-538	-2	-538	-4	-3,765	13.73	Glass/Door Cond	-3,765	-13.73	Terminal	729	607
Wall Cond	248	83	331	2	248	2	-576	2.80	Wall Cond	-576	-2.80	Main Fan	729	607
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-560	0	-560	-3	-373	-3	-2,798	10.20	Infiltration	-2,798	-10.20	Infil	35	35
Sub Total ==>	11,666	83	11,749	54	11,852	86	-7,140	26.74	Sub Total ==>	-7,140	-26.74	MinStop/Rh	61	607
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	764	642
Lights	933	0	933	4	933	7	0	0.00	Lights	0	0.00	Exhaust	35	35
People	956	0	956	4	531	4	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	466	0	466	2	466	3	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	2,355	0	2,355	11	1,930	14	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-9	0	0	9	0	-38	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	Adj Air Trans Heat	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	Dehumid. Ov Sizing	0	0.00	cfm/ft²	2.40	2.00
Ov/Undr Sizing	7,069	0	7,069	32	0	0	-9,045	32.98	Ov/Undr Sizing	-9,045	-32.98	cfm/ton	400.19	
Exhaust Heat	0	-4	0	0	0	0	15	-0.06	Exhaust Heat	15	-0.06	ft²/ton	166.71	
Sup. Fan Heat	0	691	0	3	0	0	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	71.98	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	RA Preheat Diff.	0	0.00	No. People	2.1	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	Additional Reheat	-10,939	-39.88			
Underflr Sup Ht Pkup	0	0	0	0	0	0	-125	0.46	System Plenum Heat	-125	-0.46			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0.00			
								0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>21,099</b>	<b>70</b>	<b>21,861</b>	<b>100.00</b>	<b>13,792</b>	<b>100.00</b>	<b>-16,223</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-16,223</b>	<b>-27,426</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm	°F
Main Clg	1.8	21.9	21.6	729	72.4	59.7	56.6	54.4	48.8	42.4	Floor	304		Main Htg	-27.4	607	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-11.4	607	54.2	71.0	
<b>Total</b>	<b>1.8</b>	<b>21.9</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	281	116	41	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-27.4</b>			

# Room Checksums

By Trial

1E-P-SE-00

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design			Cooling		Heating					
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1			SADB		Ra Plenum					
Return		Ret/OA		Fn MtrTD		Fn BldTD		Fn Frict		SADB		Ra Plenum					
Return		Ret/OA		Fn MtrTD		Fn BldTD		Fn Frict		SADB		Ra Plenum					
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total								
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens									
<b>Envelope Loads</b>																	
Skylite Solar	0	0	0	0	0	0	0	0	0.00								
Skylite Cond	0	0	0	0	0	0	0	0	0.00								
Roof Cond	0	0	0	0	0	0	0	0	0.00								
Glass Solar	37,548	0	37,548	57	37,548	91	0	0	0.00								
Glass/Door Cond	-1,615	0	-1,615	-2	-1,615	-4	-11,295	-11,295	13.73								
Wall Cond	744	249	993	2	744	2	-1,729	-2,308	2.80								
Partition/Door	0	0	0	0	0	0	0	0	0.00								
Floor	0	0	0	0	0	0	0	0	0.00								
Adjacent Floor	0	0	0	0	0	0	0	0	0.00								
Infiltration	-1,679	0	-1,679	-3	-1,119	-3	-8,395	-8,395	10.20								
<i>Sub Total ==&gt;</i>	<i>34,997</i>	<i>249</i>	<i>35,247</i>	<i>54</i>	<i>35,557</i>	<i>86</i>	<i>-21,419</i>	<i>-21,998</i>	<i>26.74</i>								
<b>Internal Loads</b>																	
Lights	2,799	0	2,799	4	2,799	7	0	0	0.00								
People	2,867	0	2,867	4	1,593	4	0	0	0.00								
Misc	1,399	0	1,399	2	1,399	3	0	0	0.00								
<i>Sub Total ==&gt;</i>	<i>7,065</i>	<i>0</i>	<i>7,065</i>	<i>11</i>	<i>5,791</i>	<i>14</i>	<i>0</i>	<i>0</i>	<i>0.00</i>								
<b>Ceiling Load</b>	28	-28	0	0	28	0	-113	0	0.00								
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0.00								
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0								
<b>Dehumid. Ov Sizing</b>			0	0			-27,135	-27,135	32.98								
<b>Ov/Undr Sizing</b>	21,208		21,208	32	0	0	Exhaust Heat	46	-0.06								
<b>Exhaust Heat</b>		-11	-11	0			<b>OA Preheat Diff.</b>	0	0.00								
<b>Sup. Fan Heat</b>			2,074	3			<b>RA Preheat Diff.</b>	0	0.00								
<b>Ret. Fan Heat</b>		0	0	0			<b>Additional Reheat</b>	-32,816	39.88								
<b>Duct Heat Pkup</b>		0	0	0			<b>System Plenum Heat</b>	-375	0.46								
<b>Underflr Sup Ht Pkup</b>		0	0	0			<b>Underflr Sup Ht Pkup</b>	0	0.00								
<b>Supply Air Leakage</b>		0	0	0			<b>Supply Air Leakage</b>	0	0.00								
<b>Grand Total ==&gt;</b>	<b>63,298</b>	<b>210</b>	<b>65,582</b>	<b>100.00</b>	<b>41,376</b>	<b>100.00</b>	<b>-48,668</b>	<b>-82,279</b>	<b>100.00</b>								

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	2,187	1,822
<b>Terminal</b>	2,187	1,822
<b>Main Fan</b>	2,187	1,822
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	105	105
<b>MinStop/Rh</b>	182	1,822
<b>Return</b>	2,292	1,927
<b>Exhaust</b>	105	105
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.40	2.00
<b>cfm/ton</b>	400.19	
<b>ft²/ton</b>	166.71	
<b>Btu/hr-ft²</b>	71.98	-90.31
<b>No. People</b>	6.4	7.0/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity		Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
<b>Main Clg</b>	5.5	65.6	64.9	2,187	72.4	59.7	56.6	54.4	48.8	42.4	<b>Floor</b>	911		<b>Main Htg</b>	-82.3	1,822	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0		<b>Reheat</b>	-34.2	1,822	54.2	71.0
<b>Total</b>	<b>5.5</b>	<b>65.6</b>									<b>Roof</b>	0	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	844	348	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	<b>-82.3</b>			



# Room Checksums

By Trial

1E-P-SE-R

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1						SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.1	70.6			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	18,777	0	18,777	57	18,777	91	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	-808	0	-808	-2	-808	-4	-5,648	13.73	-5,648	-5,648	13.73				Diffuser	1,094	911
Wall Cond	372	125	497	2	372	2	-865	2.81	-865	-1,154	2.81				Terminal	1,094	911
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	1,094	911
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	-840	0	-840	-3	-560	-3	-4,198	10.20	-4,198	-4,198	10.20				AHU Vent	0	0
Sub Total ==>	17,502	125	17,626	54	17,782	86	-10,711	26.74	-10,711	-11,000	26.74				Infil	52	52
<b>Internal Loads</b>					<b>Internal Loads</b>										MinStop/Rh	91	911
Lights	1,399	0	1,399	4	1,399	7	0	0.00	0	0	0.00	Return	1,146	963			
People	1,434	0	1,434	4	796	4	0	0.00	0	0	0.00	Exhaust	52	52			
Misc	700	0	700	2	700	3	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	3,533	0	3,533	11	2,895	14	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Leakage Dwn	0	0
Ventilation Load	0	-14	0	0	14	0	-57	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	0	-13,567	32.98	-13,567	-13,567	32.98				% OA	0.0	0.0
Ov/Undr Sizing	10,604	0	10,604	32	0	0	23	-0.06	0	0	-0.06				cfm/ft²	2.40	2.00
Exhaust Heat	0	-6	-6	0	0	0	0	0.00	0	0	0.00				cfm/ton	400.21	
Sup. Fan Heat	0	1,037	1,037	3	0	0	0	0.00	0	0	0.00				ft²/ton	166.70	
Ret. Fan Heat	0	0	0	0	0	0	-16,408	39.88	0	0	0.00				Btu/hr-ft²	71.99	-90.31
Duct Heat Pkup	0	0	0	0	0	0	-188	0.46	0	0	0.00				No. People	3.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	31,652	105	32,794	100.00	20,691	100.00	-24,334	100.00	-24,334	-41,139	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	2.7	32.8	32.4	1,094	72.4	59.7	56.6	54.4	48.8	42.4	Floor	456		Main Htg	-41.1	911	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-17.1	911	54.2	71.0	
<b>Total</b>	<b>2.7</b>	<b>32.8</b>									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	422	174	41	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-41.1</b>			

# Room Checksums

By Trial

1E-P-SE-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.1	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	12,516	0	12,516	57	12,516	91	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-538	0	-538	-2	-538	-4	-3,765	13.73	-3,765	-3,765	13.73	Diffuser	729	607
Wall Cond	248	83	331	2	248	2	-576	2.80	-576	-769	2.80	Terminal	729	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	729	607
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-560	0	-560	-3	-373	-3	-2,798	10.20	-2,798	-2,798	10.20	AHU Vent	0	0
Sub Total ==>	11,666	83	11,749	54	11,852	86	-7,140	26.74	-7,140	-7,333	26.74	Infil	35	35
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	61	607
Lights	933	0	933	4	933	7	0	0.00	0	0	0.00	Return	764	642
People	956	0	956	4	531	4	0	0.00	0	0	0.00	Exhaust	35	35
Misc	466	0	466	2	466	3	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	2,355	0	2,355	11	1,930	14	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Lights	9	-9	0	0	9	0	-38	0.00	-38	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-9,045	32.98	-9,045	-9,045	32.98	cfm/ft²	2.40	2.00
Ov/Undr Sizing	7,069	0	7,069	32	0	0	0	-0.06	0	15	-0.06	cfm/ton	400.19	
Exhaust Heat	0	-4	-4	0	0	0	0	0.00	0	0	0.00	ft²/ton	166.71	
Sup. Fan Heat	0	0	0	0	691	3	0	0.00	0	0	0.00	Btu/hr-ft²	71.98	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.1	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	21,099	70	21,861	100.00	13,792	100.00	-16,223	100.00	-16,223	-27,426	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.8	21.9	21.6	729	72.4	59.7	56.6	54.4	48.8	42.4	Floor	304		Main Htg	-27.4	607	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-11.4	607	54.2	71.0
<b>Total</b>	<b>1.8</b>	<b>21.9</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	281	116	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-27.4</b>			

# Room Checksums

By Trial

1W-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,531	2,531	34	790	19	-4,739	-4,739	10.20	-4,739	-4,739	10.20	Infil	59	59
Sub Total ==>	2,531	2,531	34	790	19	-4,739	-4,739	10.20	-4,739	-4,739	10.20	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	1,580	21	1,580	38	0	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	1,618	22	899	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	764	764	10	764	19	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	3,962	53	3,242	79	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	91	-91	0	91	2	-64	0	0.00	-64	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Dehumid. Ov Sizing	0	0	0	0	0	-22,669	-22,669	48.81	-22,669	-22,669	48.81	cfm/ton	1,661.03	
Ov/Undr Sizing	0	0	0	0	0	0	26	-0.06	0	0	0.00	ft²/ton	830.51	
Exhaust Heat	-37	-37	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Sup. Fan Heat	975	975	13	975	13	0	0	0.00	0	0	0.00	No. People	3.6	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	-18,524	39.88	-538	-538	1.16			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	6,583	-128	7,431	100.00	4,123	100.00	-27,472	-46,445	100.00	-27,472	-46,445			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.6	7.4	5.0	1,029	72.8	59.9	56.6	54.4	52.7	56.6	Floor	514		Main Htg	-46.4	1,029	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-19.3	1,029	54.2	71.0
<b>Total</b>	0.6	7.4									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-46.4			

# Room Checksums

By Trial

1W-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,572	2,572
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,572	2,572
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,572	2,572
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Infiltration	6,327		6,327	34	1,975	19	-11,847	10.20	-11,847	-11,847	10.20	Nom Vent	0	0
Sub Total ==>	6,327	0	6,327	34	1,975	19	-11,847	10.20	-11,847	-11,847	10.20	AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Infil	148	148
Lights	3,949	0	3,949	21	3,949	38	0	0.00	0	0	0.00	MinStop/Rh	257	2,572
People	4,046	0	4,046	22	2,248	22	0	0.00	0	0	0.00	Return	2,719	2,719
Misc	1,909	0	1,909	10	1,909	19	0	0.00	0	0	0.00	Exhaust	148	148
Sub Total ==>	9,904	0	9,904	53	8,106	79	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0
Ventilation Load	0	-227	0	0	227	2	-160	0.00	0	0	0.00	Leakage Dwn	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Dehumid. Ov Sizing			0	0			0	0.00	-56,673	-56,673	48.81	<b>ENGINEERING CKS</b>		
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	65	-0.06		Cooling	Heating
Exhaust Heat		-92	-92	0			0	0.00	0	0	0.00	% OA	0.0	0.0
Sup. Fan Heat			2,438	13			0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ret. Fan Heat		0	0	0			0	0.00	-46,311	39.88	-1.16	cfm/ton	1,661.03	
Duct Heat Pkup		0	0	0			0	0.00	-1,346	0	0.00	ft²/ton	830.52	
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
<b>Grand Total ==&gt;</b>	16,459	-319	18,578	100.00	10,308	100.00	-68,680		-116,112		100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	1.6	18.6	12.4	2,572	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,286		Main Htg	-116.1	2,572	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	1.6	18.6									ExFlr	0		Reheat	-48.2	2,572	54.2	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-116.1			

# Room Checksums

By Trial

1W-I-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,531	2,531	34	790	19	-4,739	-4,739	10.20	-4,739	-4,739	10.20	Infil	59	59
Sub Total ==>	2,531	2,531	34	790	19	-4,739	-4,739	10.20	-4,739	-4,739	10.20	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	1,580	21	1,580	38	0	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	1,618	22	899	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	764	764	10	764	19	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	3,962	53	3,242	79	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-64	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-22,669	-22,669	48.81	26	-0.06	0.00	cfm/ton	1,661.03	
Exhaust Heat	-37	-37	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	830.51	
Sup. Fan Heat	0	975	13	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,583</b>	<b>-128</b>	<b>7,431</b>	<b>100.00</b>	<b>4,123</b>	<b>-27,472</b>	<b>-46,445</b>	<b>100.00</b>	<b>-27,472</b>	<b>-46,445</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	0.6	7.4	5.0	1,029	72.8	59.9	56.6	54.4	52.7	56.6	Floor	514	-46.4	1,029	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	1,029	54.2	71.0
<b>Total</b>	<b>0.6</b>	<b>7.4</b>									Roof	0	0	0	0.0	0.0
											Wall	0	0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>	<b>-46.4</b>				

# Room Checksums

By Trial

1W-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	3,086	3,086
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	3,086	3,086
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	3,086	3,086
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	7,592	7,592	34	2,369	19	-14,217	-14,217	10.20	-14,217	-14,217	10.20	AHU Vent	0	0
Sub Total ==>	7,592	7,592	34	2,369	19	-14,217	-14,217	10.20	-14,217	-14,217	10.20	Infil	177	177
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	309	3,086
Lights	4,739	0	4,739	21	4,739	0	0	0.00	0	0	0.00	Return	3,263	3,263
People	4,855	0	4,855	22	2,697	0	0	0.00	0	0	0.00	Exhaust	177	177
Misc	2,291	0	2,291	10	2,291	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	11,885	0	11,885	53	9,727	0	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	273	-273	0	0	273	-192	0	0.00	-192	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	-68,008	-68,008	48.81	-68,008	-68,008	48.81	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	77	-0.06	0	0	0.00	cfm/ft²	2.00	2.00
Exhaust Heat	0	-110	-110	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.03	
Sup. Fan Heat	0	2,926	13	0	0	0	0	0.00	0	0	0.00	ft²/ton	830.52	
Ret. Fan Heat	0	0	0	0	0	0	-55,573	39.88	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Duct Heat Pkup	0	0	0	0	0	0	-1,615	1.16	0	0	0.00	No. People	10.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	19,750	-383	22,293	100.00	12,370	-82,416	-139,335	100.00	-82,416	-139,335	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.9	22.3	14.9	3,086	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,543		Main Htg	-139.3	3,086	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-57.9	3,086	54.2	71.0
<b>Total</b>	1.9	22.3									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-139.3			

# Room Checksums

By Trial

1W-I-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,543	1,543
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,543	1,543
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,543	1,543
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Infiltration	3,796		3,796	34	1,185	19	-7,108	10.20	-7,108	-7,108	10.20	Nom Vent	0	0
Sub Total ==>	3,796	0	3,796	34	1,185	19	-7,108	10.20	-7,108	-7,108	10.20	AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Infil	89	89
Lights	2,370	0	2,370	21	2,370	38	0	0.00	0	0	0.00	MinStop/Rh	154	1,543
People	2,428	0	2,428	22	1,349	22	0	0.00	0	0	0.00	Return	1,632	1,632
Misc	1,145	0	1,145	10	1,145	19	0	0.00	0	0	0.00	Exhaust	89	89
Sub Total ==>	5,943	0	5,943	53	4,864	79	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0
Ventilation Load	0	-136	0	0	136	2	-96	0.00	0	0	0.00	Leakage Dwn	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Dehumid. Ov Sizing			0	0			0	0.00	-34,004	-34,004	48.81	<b>ENGINEERING CKS</b>		
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	39	-0.06		Cooling	Heating
Exhaust Heat		-55	-55	0			0	0.00	0	0	0.00	% OA	0.0	0.0
Sup. Fan Heat			1,463	13			0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ret. Fan Heat		0	0	0			0	0.00	0	-27,786	39.88	cfm/ton	1,661.03	
Duct Heat Pkup		0	0	0			0	0.00	0	-808	1.16	ft²/ton	830.51	
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00	No. People	5.4	7.0/1000 ft²
<b>Grand Total ==&gt;</b>	<b>9,875</b>	<b>-191</b>	<b>11,147</b>	<b>100.00</b>	<b>6,185</b>	<b>100.00</b>	<b>-41,208</b>	<b>100.00</b>	<b>-41,208</b>	<b>-69,667</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvq °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.9	11.2	7.5	1,543	72.8	59.9	56.6	54.4	52.7	56.6	Floor	771	Main Htg	-69.7	1,543	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-28.9	1,543	54.2	71.0
<b>Total</b>	<b>0.9</b>	<b>11.2</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-69.7</b>			

# Room Checksums

By Trial

1W-I-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	2,531	0	2,531	34	790	19	-4,739	10.20	-4,739	-4,739	10.20	AHU Vent	0	0
Sub Total ==>	2,531	0	2,531	34	790	19	-4,739	10.20	-4,739	-4,739	10.20	Infil	59	59
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	103	1,029
Lights	1,580	0	1,580	21	1,580	38	0	0.00	0	0	0.00	Return	1,088	1,088
People	1,618	0	1,618	22	899	22	0	0.00	0	0	0.00	Exhaust	59	59
Misc	764	0	764	10	764	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	3,962	0	3,962	53	3,242	79	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	91	-91	0	0	91	2	-64	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-22,669	48.81	-22,669	-22,669	48.81		Cooling	Heating
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.06	0	0	-0.06	% OA	0.0	0.0
Exhaust Heat	0	-37	-37	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Sup. Fan Heat	0	0	975	13	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.03	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	830.51	
Duct Heat Pkup	0	0	0	0	0	0	0	1.16	-18,524	-18,524	39.88	Btu/hr-ft²	14.45	-90.31
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3.6	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	6,583	-128	7,431	100.00	4,123	100.00	-27,472	100.00	-46,445	-46,445	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.6	7.4	5.0	1,029	72.8	59.9	56.6	54.4	52.7	56.6	Floor	514		Main Htg	-46.4	1,029	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-19.3	1,029	54.2	71.0
<b>Total</b>	<b>0.6</b>	<b>7.4</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-46.4</b>			



# Room Checksums

By Trial

1W-P-N-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	272	0	272	16	272	25	0	0.00						
Glass/Door Cond	89	0	89	5	89	8	-562	7.21						
Wall Cond	50	12	62	4	50	5	-182	2.91						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	425	0	425	25	133	12	-795	10.20						
<i>Sub Total ==&gt;</i>	836	12	848	51	544	49	-1,539	20.32						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	265	0	265	16	265	24	0	0.00						
People	272	0	272	16	151	14	0	0.00						
Misc	128	0	128	8	128	12	0	0.00						
<i>Sub Total ==&gt;</i>	665	0	665	40	544	49	0	0.00						
<b>Ceiling Load</b>	15	-15	0	0	15	1	-11	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-3,060	39.27						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	4	-0.06						
<b>Exhaust Heat</b>		-6	0	0			0	0.00						
<b>Sup. Fan Heat</b>			164	10			0	0.00						
<b>Ret. Fan Heat</b>			0	0			-3,108	39.88						
<b>Duct Heat Pkup</b>			0	0			-45	0.58						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>			0	0			0	0.00						
<b>Grand Total ==&gt;</b>	1,516	-9	1,670	100.00	1,103	100.00	-4,610	7.794	100.00					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	173	173
<b>Terminal</b>	173	173
<b>Main Fan</b>	173	173
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	10	10
<b>MinStop/Rh</b>	17	173
<b>Return</b>	183	183
<b>Exhaust</b>	10	10
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.00	2.00
<b>cfm/ton</b>	1,240.08	
<b>ft²/ton</b>	620.04	
<b>Btu/hr-ft²</b>	19.35	-90.31
<b>No. People</b>	0.6	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.1	1.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	86		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	66	17	26
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-7.8	173	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-3.2	173	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-7.8			

## Room Checksums

By Trial

1W-P-N-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design					Cooling		Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1									
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	Of Total							
Envelope Loads				Envelope Loads											
Skylite Solar	0	0	0	0	0	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	0	0.00							
Roof Cond	0	0	0	0	0	0	0	0.00							
Glass Solar	681	0	681	2	4	0	0	0.00							
Glass/Door Cond	223	0	223	1	1	-1,404	-1,404	0.72							
Wall Cond	124	30	155	0	1	-454	-568	0.29							
Partition/Door	0	0	0	0	0	0	0	0.00							
Floor	0	0	0	0	0	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	0	0.00							
Infiltration	10,616		10,616	33	18	-19,880	-19,880	10.20							
Sub Total ==>	11,644	30	11,675	36	24	-21,739	-21,852	11.22							
Internal Loads				Internal Loads											
Lights	6,627	0	6,627	21	36	0	0	0.00							
People	6,789	0	6,789	21	21	0	0	0.00							
Misc	3,203	0	3,203	10	17	0	0	0.00							
Sub Total ==>	16,620	0	16,620	52	74	0	0	0.00							
Ceiling Load	381	-381	0	0	2	-268	0	0.00							
Ventilation Load	0	0	0	0	0	0	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0		-93,239	-93,239	47.85							
Ov/Undr Sizing	0		0	0	0	108		-0.06							
Exhaust Heat		-154	-154	0		0		0.00							
Sup. Fan Heat			4,091	13		0		0.00							
Ret. Fan Heat		0	0	0											
Duct Heat Pkup		0	0	0											
Underflr Sup Ht Pkup			0	0											
Supply Air Leakage		0	0	0											
Grand Total ==>	28,646	-505	32,232	100.00	18,325	100.00	-115,246	-194,838	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	4,315	4,315
Terminal	4,315	4,315
Main Fan	4,315	4,315
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	248	248
MinStop/Rh	432	4,315
Return	4,563	4,563
Exhaust	248	248
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,606.50	
ft²/ton	803.25	
Btu/hr-ft²	14.94	-90.31
No. People	15.1	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	2.7	32.2	21.9	4,315	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>2.7</b>	<b>32.2</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	2,158		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	165	43	26
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvg °F
Main Htg	-194.8	4,315	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-80.9	4,315	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-194.8</b>			

# Room Checksums

By Trial

1W-P-N-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	272	0	272	16	272	25	0	0.00						
Glass/Door Cond	89	0	89	5	89	8	-562	7.21						
Wall Cond	50	12	62	4	50	5	-182	2.91						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	425	0	425	25	133	12	-795	10.20						
<i>Sub Total ==&gt;</i>	836	12	848	51	544	49	-1,539	20.32						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	265	0	265	16	265	24	0	0.00						
People	272	0	272	16	151	14	0	0.00						
Misc	128	0	128	8	128	12	0	0.00						
<i>Sub Total ==&gt;</i>	665	0	665	40	544	49	0	0.00						
<b>Ceiling Load</b>	15	-15	0	0	15	1	-11	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-3,060	39.27						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	4	-0.06						
<b>Exhaust Heat</b>		-6	0	0			0	0.00						
<b>Sup. Fan Heat</b>			164	10			0	0.00						
<b>Ret. Fan Heat</b>			0	0			-3,108	39.88						
<b>Duct Heat Pkup</b>			0	0			-45	0.58						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>			0	0			0	0.00						
<b>Grand Total ==&gt;</b>	1,516	-9	1,670	100.00	1,103	100.00	-4,610	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	173	173
Terminal	173	173
Main Fan	173	173
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	10	10
MinStop/Rh	17	173
Return	183	183
Exhaust	10	10
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,240.08	
ft²/ton	620.04	
Btu/hr-ft²	19.35	-90.31
No. People	0.6	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.1	1.7								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	86		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	66	17	26
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-7.8	173	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-3.2	173	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	-7.8			

# Room Checksums

By Trial

1W-P-N-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	817	0	817	16	817	25	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	267	0	267	5	267	8	-1,685	7.21	-1,685	-1,685	7.21				Diffuser	518	518
Wall Cond	149	36	186	4	149	5	-545	2.91	-681	-681	2.91				Terminal	518	518
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	518	518
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	1,274	0	1,274	25	398	12	-2,386	10.20	-2,386	-2,386	10.20				AHU Vent	0	0
Sub Total ==>	2,507	36	2,544	51	1,631	49	-4,616	20.32	-4,616	-4,752	20.32				Infil	30	30
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							MinStop/Rh	52	518
Lights	795	0	795	16	795	24	0	0.00	0	0	0.00	Return	548	548			
People	815	0	815	16	453	14	0	0.00	0	0	0.00	Exhaust	30	30			
Misc	384	0	384	8	384	12	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	1,994	0	1,994	40	1,632	49	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Dwn	0	0			
Ventilation Load	0	-46	0	0	46	1	-32	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	0	-9,181	39.27	-9,181	-9,181	39.27				Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.06	13	-0.06	% OA				0.0	0.0	
Exhaust Heat	-18	-18	0	0	0	0	0	0.00	0	0	0.00				cfm/ft²	2.00	2.00
Sup. Fan Heat	491	491	10	491	10	491	0	0.00	0	0	0.00				cfm/ton	1,240.08	
Ret. Fan Heat	0	0	0	0	0	0	-9,325	39.88	-9,325	-9,325	39.88				ft²/ton	620.04	
Duct Heat Pkup	0	0	0	0	0	0	-135	0.58	-135	-135	0.58				Btu/hr-ft²	19.35	-90.31
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	1.8	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	4,548	-28	5,011	100.00	3,309	100.00	-13,830	100.00	-13,830	-23,381	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.4	5.0	3.8	518	72.8	59.9	56.6	54.4	52.7	56.6	Floor	259	Main Htg	-23.4	518	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-9.7	518	54.2	71.0
<b>Total</b>	0.4	5.0									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	198	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-23.4			

# Room Checksums

By Trial

1W-P-N-R

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1			OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Fn MtrTD	Fn BldTD	Fn Frict				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)							
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser			259	259		
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal			259	259		
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan			259	259		
Glass Solar	408	0	408	16	408	25	0	0.00	0	0	0.00	Sec Fan			0	0		
Glass/Door Cond	134	0	134	5	134	8	-843	7.21	-843	-843	10.20	Nom Vent			0	0		
Wall Cond	75	18	93	4	75	5	-273	2.91	-273	-341	20.32	AHU Vent			0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil			15	15		
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh			26	259		
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return			274	274		
Infiltration	637	0	637	25	199	12	-1,193	10.20	-1,193	-1,193	0.00	Exhaust			15	15		
Sub Total ==>	1,254	18	1,272	51	816	49	-2,308	20.32	-2,308	-2,376	0.00	Rm Exh			0	0		
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>			
Lights	398	0	398	16	398	24	0	0.00	0	0	0.00	% OA			0.0	0.0		
People	407	0	407	16	226	14	0	0.00	0	0	0.00	cfm/ft²			2.00	2.00		
Misc	192	0	192	8	192	12	0	0.00	0	0	0.00	cfm/ton			1,240.08			
Sub Total ==>	997	0	997	40	816	49	0	0.00	0	0	0.00	ft²/ton			620.04			
Ceiling Load	23	-23	0	0	23	1	-16	0.00	-16	-4,591	39.27	Btu/hr-ft²			19.35	-90.31		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	6	-0.06	No. People			0.9	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00							
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00							
Exhaust Heat	0	-9	0	0	0	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	245	10	0	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00							
Grand Total ==>	2,274	-14	2,505	100.00	1,655	100.00	-6,915	100.00	-6,915	-11,690	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.2	2.5	1.9	259	72.8	59.9	56.6	54.4	52.7	56.6	Floor	129			Main Htg	-11.7	259	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-4.9	259	54.2	71.0
<b>Total</b>	<b>0.2</b>	<b>2.5</b>									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	99	26	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-11.7</b>			

# Room Checksums

By Trial

1W-P-N-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	272	0	272	16	272	25	0	0.00	0	0	0.00	Diffuser	173	173
Glass/Door Cond	89	0	89	5	89	8	-562	7.21	-562	-562	7.21	Terminal	173	173
Wall Cond	50	12	62	4	50	5	-182	2.91	-182	-227	2.91	Main Fan	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	425	0	425	25	133	12	-795	10.20	-795	-795	10.20	Infil	10	10
Sub Total ==>	836	12	848	51	544	49	-1,539	20.32	-1,539	-1,584	20.32	MinStop/Rh	17	173
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	183	183
Lights	265	0	265	16	265	24	0	0.00	0	0	0.00	Exhaust	10	10
People	272	0	272	16	151	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	128	0	128	8	128	12	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	665	0	665	40	544	49	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0
<b>Ceiling Load</b>	15	-15	0	0	15	1	-11	0.00	-11	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-3,060	39.27	-3,060	-3,060	39.27	cfm/ton	1,240.08	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	-0.06	0	4	-0.06	ft²/ton	620.04	
<b>Exhaust Heat</b>	0	-6	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.35	-90.31
<b>Sup. Fan Heat</b>	0	0	164	10	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	1,516	-9	1,670	100.00	1,103	100.00	-4,610	100.00	-4,610	-7,794	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6	Floor	86		Main Htg	-7.8	173	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.2	173	54.2	71.0	
<b>Total</b>	0.1	1.7									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	66	17	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-7.8			

# Room Checksums

By Trial

1W-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.4	70.6			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	14.50	Diffuser				167	165	
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	4.03	Terminal				167	165	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Main Fan				167	165	
Floor	0	0	0	0	0	0	0	0.00	0	0.00	Sec Fan				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				0	0	
Infiltration	332	0	332	9	65	2	-758	10.20	-758	10.20	AHU Vent				0	0	
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	28.73	Infil				9	9	
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	16	165
Lights	169	0	169	5	169	5	0	0.00	0	0.00	Return				177	174	
People	125	0	125	3	90	3	0	0.00	0	0.00	Exhaust	9	9				
Misc	119	0	119	3	119	4	0	0.00	0	0.00	Rm Exh	0	0				
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0.00	Auxiliary	0	0				
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0.00	Leakage Ups	0	0				
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00	<b>ENGINEERING CKS</b>						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0.00				% OA	0.0	0.0	
Ov/Undr Sizing	77	0	77	2	0	0	-2,318	31.18	-2,318	31.18				cfm/ft²	2.03	2.00	
Exhaust Heat	0	-4	-4	0	0	0	0	-0.06	4	-0.06				cfm/ton	560.63		
Sup. Fan Heat	0	0	156	4	0	0	0	0.00	0	0.00				ft²/ton	276.11		
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00				Btu/hr-ft²	43.46	-90.31	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00				No. People	0.6	7.0/1000 ft²	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00							
Grand Total ==>	3,395	26	3,577	100.00	3,161	100.00	-4,396	100.00	-7,432	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82		-7.4	165	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.1	165	54.2	71.0	
											Roof	0	0	0.0	0	0.0	0.0	
											Wall	98	33	34	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
<b>Total</b>	0.3	3.6												-7.4				

# Room Checksums

By Trial

1W-P-NW-L

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18			Mo/Hr: 6 / 18		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 80 / 70 / 94			OADB: 78		OADB: -1										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Cooling	Heating				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)						
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	417	412			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	417	412			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	417	412			
Glass Solar	5,716	0	5,716	64	6,128	78	0	0.00	0	0	0.00	Sec Fan	0	0			
Glass/Door Cond	333	0	333	4	273	3	-2,692	14.49	-2,692	-748	4.02	Nom Vent	0	0			
Wall Cond	353	101	454	5	363	5	-581	4.02	-581	-748	4.02	AHU Vent	0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	24	24			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	41	412			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	441	435			
Infiltration	831	0	831	9	163	2	-1,896	10.20	-1,896	-748	4.02	Exhaust	24	24			
Sub Total ==>	7,232	101	7,333	82	6,927	88	-5,168	28.71	-5,168	-748	4.02	Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>		
Lights	421	0	421	5	421	5	0	0.00	0	0	0.00	% OA	0.0	0.0			
People	312	0	312	3	225	3	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00			
Misc	298	0	298	3	298	4	0	0.00	0	0	0.00	cfm/ton	560.24				
Sub Total ==>	1,032	0	1,032	12	945	12	0	0.00	0	0	0.00	ft²/ton	276.11				
Ceiling Load	25	-25	0	0	25	0	-5,797	31.20	-5,797	-748	4.02	Btu/hr-ft²	43.46	-90.31			
Ventilation Load	0	0	0	0	0	0	0	-0.06	0	0	-0.06	No. People	1.4	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00						
Ov/Undr Sizing	197	0	197	2	0	0	0	0.00	0	0	0.00						
Exhaust Heat	0	-10	-10	0	0	0	0	0.00	0	0	0.00						
Sup. Fan Heat	0	0	390	4	0	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>8,486</b>	<b>65</b>	<b>8,942</b>	<b>100.00</b>	<b>7,898</b>	<b>100.00</b>	<b>-10,990</b>	<b>100.00</b>	<b>-10,990</b>	<b>-18,581</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.8	8.9	8.2	412	72.7	59.9	56.6	54.4	52.1	54.5	Floor	206	Main Htg	-18.6	412	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-7.7	412	54.2	71.0
<b>Total</b>	<b>0.8</b>	<b>8.9</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	244	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-18.6</b>			



# Room Checksums

By Trial

1W-P-NW-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00	Diffuser	167	165
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	-1,078	14.50	Terminal	167	165
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	-299	4.03	Main Fan	167	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	332	0	332	9	65	2	-758	10.20	-758	-758	10.20	Infil	9	9
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	-2,135	28.73	MinStop/Rh	16	165
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	177	174
Lights	169	0	169	5	169	5	0	0.00	0	0	0.00	Exhaust	9	9
People	125	0	125	3	90	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	119	0	119	3	119	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00
Ov/Undr Sizing	77	0	77	2	0	0	-2,318	31.18	-2,318	-2,318	31.18	cfm/ton	560.63	
Exhaust Heat	0	-4	-4	0	0	0	0	-0.06	4	4	-0.06	ft²/ton	276.11	
Sup. Fan Heat	0	0	156	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.46	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,395</b>	<b>26</b>	<b>3,577</b>	<b>100.00</b>	<b>3,161</b>	<b>100.00</b>	<b>-4,396</b>	<b>100.00</b>	<b>-7,432</b>	<b>-7,432</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82	Main Htg	-7.4	165	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.1	165	54.2	71.0
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	98	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-7.4</b>			

# Room Checksums

By Trial

1W-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES							
Peaked at Time: Mo/Hr: 7 / 18				Mo/Hr: 6 / 18				Mo/Hr: Heating Design			Cooling			Heating				
Outside Air: OADB/WB/HR: 80 / 70 / 94				OADB: 78				OADB: -1			SADB			Ra Plenum				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA						
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD						
						Btu/h	Btu/h	(%)	Fn Frict									
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar			0			0.00			
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond			0			0.00			
Roof Cond	0	0	0	0	0	0	0	0.00	Roof Cond			0			0.00			
Glass Solar	6,861	0	6,861	64	7,356	78	0	0.00	Glass Solar			0			0.00			
Glass/Door Cond	400	0	400	4	328	3	-3,231	14.49	Glass/Door Cond			-3,231			14.49			
Wall Cond	423	121	545	5	436	5	-697	4.03	Wall Cond			-898			4.03			
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door			0			0.00			
Floor	0	0	0	0	0	0	0	0.00	Floor			0			0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor			0			0.00			
Infiltration	997	0	997	9	196	2	-2,275	10.20	Infiltration			-2,275			10.20			
Sub Total ==>	8,682	121	8,803	82	8,316	88	-6,203	28.72	Sub Total ==>			-6,404			28.72			
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	506	0	506	5	506	5	0	0.00	Lights			0			0.00			
People	374	0	374	3	271	3	0	0.00	People			0			0.00			
Misc	358	0	358	3	358	4	0	0.00	Misc			0			0.00			
Sub Total ==>	1,238	0	1,238	12	1,134	12	0	0.00	Sub Total ==>			0			0.00			
Ceiling Load	30	-30	0	0	30	0	-31	0.00	Ceiling Load			0			0.00			
Ventilation Load	0	0	0	0	0	0	0	0.00	Ventilation Load			0			0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat			0			0			
Dehumid. Ov Sizing	0	0	0	0	0	0	-6,954	31.19	Ov/Undr Sizing			-6,954			31.19			
Ov/Undr Sizing	234	0	234	2	0	0	12	-0.06	Exhaust Heat			12			-0.06			
Exhaust Heat	0	-12	0	0	0	0	0	0.00	OA Preheat Diff.			0			0.00			
Sup. Fan Heat	0	0	468	4	0	0	0	0.00	RA Preheat Diff.			0			0.00			
Ret. Fan Heat	0	0	0	0	0	0	-8,893	39.88	Additional Reheat			-8,893			39.88			
Duct Heat Pkup	0	0	0	0	0	0	-58	0.26	System Plenum Heat			-58			0.26			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup			0			0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage			0			0.00			
<b>Grand Total ==&gt;</b>	<b>10,184</b>	<b>79</b>	<b>10,730</b>	<b>100.00</b>	<b>9,480</b>	<b>100.00</b>	<b>-13,189</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-13,189</b>	<b>-22,297</b>	<b>100.00</b>						

AIRFLOWS		
	Cooling	Heating
Diffuser	501	494
Terminal	501	494
Main Fan	501	494
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	28	28
MinStop/Rh	49	494
Return	530	522
Exhaust	28	28
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.03	2.00
cfm/ton	560.41	
ft²/ton	276.11	
Btu/hr-ft²	43.46	-90.31
No. People	1.7	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.9	10.7	9.9	494	72.7	59.9	56.6	54.4	52.1	54.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.9</b>	<b>10.7</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	247		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	293	99	34
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-22.3	494	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-9.3	494	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-22.3</b>			

# Room Checksums

By Trial

1W-P-NW-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser		251	247		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal		251	247		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan		251	247		
Glass Solar	3,431	0	3,431	64	3,678	Glass Solar	0	0.00	Sec Fan		0	0		
Glass/Door Cond	200	0	200	4	164	Glass/Door Cond	-1,616	14.49	Nom Vent		0	0		
Wall Cond	212	61	272	5	218	Wall Cond	-349	4.03	AHU Vent		0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil		14	14		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh		25	247		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return		265	261		
Infiltration	498	0	498	9	98	Infiltration	-1,138	10.20	Exhaust		14	14		
<b>Sub Total ==&gt;</b>	<b>4,341</b>	<b>61</b>	<b>4,402</b>	<b>82</b>	<b>4,158</b>	<b>Sub Total ==&gt;</b>	<b>-3,102</b>	<b>28.72</b>	Rm Exh		0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	253	0	253	5	253	Lights	0	0.00	% OA		0.0	0.0		
People	187	0	187	3	135	People	0	0.00	cfm/ft²		2.03	2.00		
Misc	179	0	179	3	179	Misc	0	0.00	cfm/ton		560.41			
<b>Sub Total ==&gt;</b>	<b>619</b>	<b>0</b>	<b>619</b>	<b>12</b>	<b>567</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0.00</b>	ft²/ton		276.11			
<b>Ceiling Load</b>	<b>15</b>	<b>-15</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>Ceiling Load</b>	<b>-15</b>	<b>0.00</b>	Btu/hr-ft²		43.46	-90.31		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People		0.9	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-3,477	31.19						
Ov/Undr Sizing	117	0	117	2	0	Exhaust Heat	6	-0.06						
Exhaust Heat	0	-6	0	0	0	OA Preheat Diff.	0	0.00						
Sup. Fan Heat	0	0	234	4	0	RA Preheat Diff.	0	0.00						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-4,446	39.88						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-29	0.26						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	<b>5,092</b>	<b>39</b>	<b>5,365</b>	<b>100.00</b>	<b>4,740</b>	<b>Grand Total ==&gt;</b>	<b>-6,594</b>	<b>-11,148</b>	<b>100.00</b>					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
<b>Main Clg</b>	0.5	5.4	4.9	247	72.7	59.9	56.6	54.4	52.1	54.5	<b>Floor</b>	123		<b>Main Htg</b>	-11.2	247	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
<b>Total</b>	0.5	5.4									<b>ExFlr</b>	0		<b>Reheat</b>	-4.6	247	54.2	71.0
											<b>Roof</b>	0	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	146	50	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	-11.2			

# Room Checksums

By Trial

1W-P-NW-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	14.50	Diffuser				167	165	
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	4.03	Terminal				167	165	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Main Fan				167	165	
Floor	0	0	0	0	0	0	0	0.00	0	0.00	Sec Fan				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				0	0	
Infiltration	332	0	332	9	65	2	-758	10.20	-758	10.20	AHU Vent				0	0	
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	28.73	Infil				9	9	
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	16	165
Lights	169	0	169	5	169	5	0	0.00	0	0.00	Return	177	174				
People	125	0	125	3	90	3	0	0.00	0	0.00	Exhaust	9	9				
Misc	119	0	119	3	119	4	0	0.00	0	0.00	Rm Exh	0	0				
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0.00	Auxiliary	0	0				
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0.00	Leakage Ups	0	0				
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00	<b>ENGINEERING CKS</b>						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0.00				% OA	0.0	0.0	
Ov/Undr Sizing	77	0	77	2	0	0	-2,318	31.18	-2,318	31.18				cfm/ft²	2.03	2.00	
Exhaust Heat	0	-4	-4	0	0	0	4	-0.06	0	-0.06				cfm/ton	560.63		
Sup. Fan Heat	0	0	156	4	0	0	0	0.00	0	0.00				ft²/ton	276.11		
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00				Btu/hr-ft²	43.46	-90.31	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00				No. People	0.6	7.0/1000 ft²	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00							
Grand Total ==>	3,395	26	3,577	100.00	3,161	100.00	-4,396	100.00	-7,432	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82		-7.4	165	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.1	165	54.2	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	98	33	34	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
											<b>Total</b>			<b>-7.4</b>				

# Room Checksums

By Trial

1W-P-S-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1		SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.2	70.6	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0	
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>			
Glass Solar	5,318	0	5,318	69	5,318	93	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	301	177
Glass/Door Cond	-187	0	-187	-2	-187	-3	Glass/Door Cond	-1,551	19.36	Glass/Door Cond	-1,551	19.36	Terminal	301	177
Wall Cond	89	39	128	2	89	2	Wall Cond	-144	2.59	Wall Cond	-208	2.59	Main Fan	301	177
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-218		-218	-3	-93	-2	Infiltration	-817	10.20	Infiltration	-817	10.20	Infil	10	10
Sub Total ==>	5,003	39	5,042	66	5,127	90	Sub Total ==>	-2,513	32.16	Sub Total ==>	-2,576	32.16	MinStop/Rh	18	177
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	311	188	
Lights	272	0	272	4	272	5	Lights	0	0.00	Lights	0	0.00	Exhaust	10	10
People	279	0	279	4	155	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	128	0	128	2	128	2	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	679	0	679	9	555	10	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	6	-6	0	0	6	0	Ceiling Load	-11	0.00	Ceiling Load	-11	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	OA Preheat Diff.	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-2,214	27.64	RA Preheat Diff.	0	0.00	cfm/ft²	3.39	2.00
Ov/Undr Sizing	1,666		1,666	22	0	0	Exhaust Heat	4	-0.06	Additional Reheat	-3,195	39.88	cfm/ton	470.41	
Exhaust Heat		-2	-2	0			OA Preheat Diff.	0	0.00	System Plenum Heat	-29	0.37	ft²/ton	138.77	
Sup. Fan Heat			285	4			RA Preheat Diff.	0	0.00	Underflr Sup Ht Pkup	0	0.00	Btu/hr-ft²	86.47	-90.31
Ret. Fan Heat		0	0	0			Additional Reheat	-3,195	39.88	Supply Air Leakage	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup		0	0	0			System Plenum Heat	-29	0.37						
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	<b>7,353</b>	<b>31</b>	<b>7,670</b>	<b>100.00</b>	<b>5,688</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-4,738</b>	<b>-8,010</b>	<b>100.00</b>					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9	Floor	89	-8.0	177	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.7</b>									Roof	0	0	0	0.0	0.0
											Wall	92	48	52	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>	<b>-8.0</b>	<b>-8.0</b>	<b>177</b>	<b>54.2</b>	<b>71.0</b>

# Room Checksums

By Trial

1W-P-S-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Glass Solar	13,299	0	13,299	69	13,299	93	0	0.00	0	0	0.0	0.0	0.0	
Glass/Door Cond	-467	0	-467	-2	-467	-3	-3,879	19.37	-3,879	-520	0.1	0.0	0.0	
Wall Cond	222	98	320	2	222	2	-361	2.59	-520	0.0	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Infiltration	-544	0	-544	-3	-233	-2	-2,043	10.20	-2,043	0.0	0.0	0.0	0.0	
<i>Sub Total ==&gt;</i>	12,510	98	12,608	66	12,822	90	-6,283	32.17	-6,442	0.6	0.0	0.0	0.0	
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	681	0	681	4	681	5	0	0.00	0	0	0.0	0.0	0.0	
People	698	0	698	4	388	3	0	0.00	0	0	0.0	0.0	0.0	
Misc	320	0	320	2	320	2	0	0.00	0	0	0.0	0.0	0.0	
<i>Sub Total ==&gt;</i>	1,699	0	1,699	9	1,389	10	0	0.00	0	0	0.0	0.0	0.0	
<b>Ceiling Load</b>	14	-14	0	0	14	0	-28	0.00	0	0	0.0	0.0	0.0	
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-5,534	27.64	-5,534	0	0	0	0	
<b>Ov/Undr Sizing</b>	4,163	0	4,163	22	0	0	11	-0.06	0	0	0.0	0.0	0.0	
<b>Exhaust Heat</b>	0	-6	-6	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
<b>Sup. Fan Heat</b>	0	713	713	4	0	0	0	0.00	0	0	0.0	0.0	0.0	
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-7,987	39.88	0	0	0.0	0.0	0.0	
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	-74	0.37	0	0	0.0	0.0	0.0	
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
<b>Grand Total ==&gt;</b>	18,387	78	19,177	100.00	14,224	100.00	-11,845	100.00	-20,026	1.6	7.0/1000 ft²	0.0	0.0	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
<b>Main Clg</b>	1.6	19.2	19.2	752	72.5	59.8	56.6	54.4	50.6	48.9	Floor	222	-20.0	444	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
<b>Total</b>	1.6	19.2									ExFlr	0	0.0	444	54.2	71.0
											Roof	0	0.0	0	0.0	0.0
											Wall	231	119	0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>		-20.0			

# Room Checksums

By Trial

1W-P-S-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	Cooling			Heating		
Skylite Cond	0	0	0	0	0	0	0	0.00	Diffuser	301	177	Terminal	301	177
Roof Cond	0	0	0	0	0	0	0	0.00	Main Fan	301	177	Sec Fan	0	0
Glass Solar	5,318	0	5,318	69	5,318	93	0	0.00	Nom Vent	0	0	AHU Vent	0	0
Glass/Door Cond	-187	0	-187	-2	-187	-3	-1,551	19.36	Infil	10	10	MinStop/Rh	18	177
Wall Cond	89	39	128	2	89	2	-144	2.59	Return	311	188	Exhaust	10	10
Partition/Door	0	0	0	0	0	0	0	0.00	Rm Exh	0	0	Auxiliary	0	0
Floor	0	0	0	0	0	0	0	0.00	Leakage Dwn	0	0	Leakage Ups	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	<b>ENGINEERING CKS</b>					
Infiltration	-218	-218	-3	-93	-2	-817	-817	10.20	% OA	0.0	0.0	cfm/ft²	3.39	2.00
Sub Total ==>	5,003	39	5,042	66	5,127	90	-2,513	32.16	cfm/ton	470.41		ft²/ton	138.77	
<b>Internal Loads</b>				<b>Internal Loads</b>							Btu/hr-ft²	86.47	-90.31	
Lights	272	0	272	4	272	5	0	0.00	No. People	0.6	7.0/1000 ft²			
People	279	0	279	4	155	3	0	0.00						
Misc	128	0	128	2	128	2	0	0.00						
Sub Total ==>	679	0	679	9	555	10	0	0.00						
Ceiling Load	6	-6	0	0	6	0	-11	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			-2,214	27.64						
Ov/Undr Sizing	1,666		1,666	22	0	0	4	-0.06						
Exhaust Heat		-2	-2	0			0	0.00						
Sup. Fan Heat			285	4			0	0.00						
Ret. Fan Heat		0	0	0			-3,195	39.88						
Duct Heat Pkup		0	0	0			-29	0.37						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	<b>7,353</b>	<b>31</b>	<b>7,670</b>	<b>100.00</b>	<b>5,688</b>	<b>100.00</b>	<b>-4,738</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9	Floor	89		-8.0	177	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0
											ExFlr	0		-3.3	177	54.2	71.0
											Roof	0	0	0.0	0	0.0	0.0
											Wall	92	48	52	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.7</b>												<b>-8.0</b>			

# Room Checksums

By Trial

1W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design						
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>						
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	SADB	55.0	95.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Ra Plenum	72.2	70.6
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	72.2	70.6
Glass Solar	15,954	0	15,954	69	15,954	93	0	0.00	0	0	0.00	Ret/OA	72.2	70.6
Glass/Door Cond	-560	0	-560	-2	-560	-3	-4,653	19.36	-4,653	-4,653	19.36	Fn MtrTD	0.1	0.0
Wall Cond	267	117	384	2	267	2	-433	2.59	-433	-623	2.59	Fn BldTD	0.2	0.0
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	-653	0	-653	-3	-280	-2	-2,452	10.20	-2,452	-2,452	10.20			
Sub Total ==>	15,008	117	15,125	66	15,381	90	-7,538	32.16	-7,538	-7,728	32.16			
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>						
Lights	817	0	817	4	817	5	0	0.00	0	0	0.00			
People	837	0	837	4	465	3	0	0.00	0	0	0.00			
Misc	384	0	384	2	384	2	0	0.00	0	0	0.00			
Sub Total ==>	2,038	0	2,038	9	1,666	10	0	0.00	0	0	0.00			
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>						
Ventilation Load	17	-17	0	0	17	0	-33	0.00	-33	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ov/Undr Sizing	4,997	0	4,997	22	0	0	-6,643	27.64	-6,643	-6,643	27.64			
Exhaust Heat	0	-7	-7	0	0	0	13	-0.06	13	-0.06	-0.06			
Sup. Fan Heat	0	855	855	4	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	22,060	93	23,009	100.00	17,065	100.00	-14,214	100.00	-14,214	-24,031	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	902	532
Terminal	902	532
Main Fan	902	532
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	31	31
MinStop/Rh	53	532
Return	933	563
Exhaust	31	31
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	3.39	2.00
cfm/ton	470.41	
ft²/ton	138.77	
Btu/hr-ft²	86.47	-90.31
No. People	1.9	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.9	23.0	23.0	902	72.5	59.8	56.6	54.4	50.6	48.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	1.9	23.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	266		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	277	143	52
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent	Lvg
			°F	°F
Main Htg	-24.0	532	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-10.0	532	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	-24.0			



# Room Checksums

By Trial

1W-P-S-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	7,981	0	7,981	69	7,981	93	0	0.00	0	0	0.00	Diffuser	451	266
Glass/Door Cond	-280	0	-280	-2	-280	-3	-2,328	19.37	-2,328	-2,328	19.37	Terminal	451	266
Wall Cond	133	59	192	2	133	2	-217	2.60	-217	-312	2.60	Main Fan	451	266
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-327	0	-327	-3	-140	-2	-1,226	10.20	-1,226	-1,226	10.20	Infil	15	15
Sub Total ==>	7,508	59	7,566	66	7,695	90	-3,770	32.17	-3,770	-3,865	32.17	MinStop/Rh	27	266
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	467	281
Lights	409	0	409	4	409	5	0	0.00	0	0	0.00	Exhaust	15	15
People	419	0	419	4	233	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	192	0	192	2	192	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,019	0	1,019	9	833	10	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	8	-8	0	0	8	0	-17	0.00	-17	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	3.39	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	470.49	
Ov/Undr Sizing	2,498	0	2,498	22	0	0	-3,320	27.63	-3,320	-3,320	27.63	ft²/ton	138.73	
Exhaust Heat	0	-3	-3	0	0	0	7	-0.06	7	7	-0.06	Btu/hr-ft²	86.50	-90.31
Sup. Fan Heat	0	0	428	4	0	0	0	0.00	0	0	0.00	No. People	0.9	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	11,033	47	11,508	100.00	8,536	100.00	-7,107	100.00	-7,107	-12,015	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	1.0	11.5	11.5	451	72.5	59.8	56.6	54.4	50.6	48.9	Floor	133		Main Htg	-12.0	266	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-5.0	266	54.2	71.0	
<b>Total</b>	<b>1.0</b>	<b>11.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	139	72	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-12.0</b>			

# Room Checksums

By Trial

1W-P-S-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h				
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Glass Solar	5,318	0	5,318	69	5,318	93	0	0.00	0	0	0.00	0	0	
Glass/Door Cond	-187	0	-187	-2	-187	-3	-1,551	19.36	-1,551	-1,551	19.36	0.1	0.0	
Wall Cond	89	39	128	2	89	2	-144	2.59	-208	-208	2.59	0.2	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	0.6	0.0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	-218	0	-218	-3	-93	-2	-817	10.20	-817	-817	10.20			
Sub Total ==>	5,003	39	5,042	66	5,127	90	-2,513	32.16	-2,576	-2,576	32.16			
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	272	0	272	4	272	5	0	0.00	0	0	0.00			
People	279	0	279	4	155	3	0	0.00	0	0	0.00			
Misc	128	0	128	2	128	2	0	0.00	0	0	0.00			
Sub Total ==>	679	0	679	9	555	10	0	0.00	0	0	0.00			
Ceiling Load	6	-6	0	0	6	0	-11	0.00	0	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,214	27.64	-2,214	-2,214	27.64			
Ov/Undr Sizing	1,666	0	1,666	22	0	0	4	-0.06	4	4	-0.06			
Exhaust Heat	0	-2	-2	0	0	0	0	0.00	0	0	0.00			
Sup. Fan Heat	0	0	285	4	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	-3,195	39.88	-3,195	-3,195	39.88			
Duct Heat Pkup	0	0	0	0	0	0	-29	0.37	-29	-29	0.37			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,353	31	7,670	100.00	5,688	100.00	-4,738	100.00	-8,010	-8,010	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	301	177
Terminal	301	177
Main Fan	301	177
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	10	10
MinStop/Rh	18	177
Return	311	188
Exhaust	10	10
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	3.39	2.00
cfm/ton	470.41	
ft²/ton	138.77	
Btu/hr-ft²	86.47	-90.31
No. People	0.6	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.7</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	89		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	92	48	52
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-8.0	177	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-3.3	177	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-8.0</b>			



# Room Checksums

By Trial

1W-P-SW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	20,073	0	20,073	76	20,073	83	0	0.00	0	0	0.00	Diffuser	1,283	933
Glass/Door Cond	282	0	282	1	282	1	-6,041	14.35	-6,041	-6,041	14.35	Terminal	1,283	933
Wall Cond	710	230	940	4	710	3	-983	3.09	-1,303	-1,303	3.09	Main Fan	1,283	933
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	249	0	249	1	220	1	-4,296	10.20	-4,296	-4,296	10.20	Infil	54	54
Sub Total ==>	21,314	230	21,544	82	21,285	88	-11,320	27.64	-11,640	-11,640	27.64	MinStop/Rh	93	933
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,337	986
Lights	1,432	0	1,432	5	1,432	6	0	0.00	0	0	0.00	Exhaust	54	54
People	1,467	0	1,467	6	815	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	692	0	692	3	692	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,592	0	3,592	14	2,940	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Sub Total ==>	24,905	230	24,135	96	24,225	100	-11,640	50.64	-11,640	-11,640	50.64	Leakage Ups	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	-58	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.75	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-13,527	32.13	-13,527	-13,527	32.13	cfm/ton	584.94	
Ov/Undr Sizing	0	0	0	0	0	0	23	-0.06	23	23	-0.06	ft²/ton	212.49	
Exhaust Heat	-23	-23	-23	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.47	-90.31
Sup. Fan Heat	0	1,217	1,217	5	0	0	0	0.00	0	0	0.00	No. People	3.3	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	-168	0.40	-168	-168	0.40			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	24,961	152	26,330	100.00	24,281	100.00	-24,905	100.00	-42,106	-42,106	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	2.2	26.3	25.7	1,283	72.7	59.9	56.6	54.4	52.6	56.2	Floor	466		Main Htg	-42.1	933	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-17.5	933	54.2	71.0	
<b>Total</b>	<b>2.2</b>	<b>26.3</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	466	186	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-42.1</b>			

# Room Checksums

By Trial

1W-P-SW-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	8,029	0	8,029	76	8,029	83	0	0.00	0	0	0.00	Diffuser	513	373
Glass/Door Cond	113	0	113	1	113	1	-2,416	14.35	-2,416	-2,416	14.35	Terminal	513	373
Wall Cond	284	92	376	4	284	3	-393	3.09	-521	-521	3.09	Main Fan	513	373
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	100	0	100	1	88	1	-1,718	10.20	-1,718	-1,718	10.20	Infil	21	21
Sub Total ==>	8,526	92	8,618	82	8,514	88	-4,528	27.64	-4,656	-4,656	27.64	MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	535	394
Lights	573	0	573	5	573	6	0	0.00	0	0	0.00	Exhaust	21	21
People	587	0	587	6	326	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,437	0	1,437	14	1,176	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	22	-22	0	0	22	0	-23	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.75	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-5,411	32.13	-5,411	-5,411	32.13	cfm/ton	584.94	
Ov/Undr Sizing	0	0	0	0	0	0	9	-0.06	9	9	-0.06	ft²/ton	212.49	
Exhaust Heat	0	-9	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.47	-90.31
Sup. Fan Heat	0	0	487	5	0	0	0	0.00	0	0	0.00	No. People	1.3	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	-6,717	39.88	-6,717	-6,717	39.88			
Duct Heat Pkup	0	0	0	0	0	0	-67	0.40	-67	-67	0.40			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	9,985	61	10,532	100.00	9,712	100.00	-9,962	100.00	-16,842	-16,842	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	0.9	10.5	10.3	513	72.7	59.9	56.6	54.4	52.6	56.2	Floor	187		Main Htg	-16.8	373	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-7.0	373	54.2	71.0	
<b>Total</b>	<b>0.9</b>	<b>10.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	187	74	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-16.8</b>			

# Room Checksums

By Trial

1W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: 76		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	24,088	0	24,088	76	24,088	83	0	0.00	0	0	0.00	Diffuser	1,540	1,119
Glass/Door Cond	338	0	338	1	338	1	-7,249	14.35	-7,249	-7,249	14.35	Terminal	1,540	1,119
Wall Cond	852	276	1,129	4	852	3	-1,180	3.09	-1,564	-1,564	3.09	Main Fan	1,540	1,119
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	299	299	1	264	1	264	-5,155	10.20	-5,155	-5,155	10.20	Infil	64	64
Sub Total ==>	25,577	276	25,853	82	25,542	88	-13,584	27.64	-13,584	-13,968	27.64	MinStop/Rh	112	1,119
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,604	1,183
Lights	1,719	0	1,719	5	1,719	6	0	0.00	0	0	0.00	Exhaust	64	64
People	1,761	0	1,761	6	978	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	831	0	831	3	831	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,310	0	4,310	14	3,527	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	67	-67	0	0	67	0	-69	0.00	-69	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.75	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-16,233	32.13	-16,233	-16,233	32.13	cfm/ton	584.94	
Ov/Undr Sizing	0	0	0	0	0	0	28	-0.06	28	28	-0.06	ft²/ton	212.49	
Exhaust Heat	-27	-27	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.47	-90.31
Sup. Fan Heat	1,460	1,460	5	0	0	0	0	0.00	0	0	0.00	No. People	3.9	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	-20,152	39.88	-20,152	-20,152	39.88			
Duct Heat Pkup	0	0	0	0	0	0	-202	0.40	-202	-202	0.40			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	29,954	182	31,596	100.00	29,137	100.00	-29,886	100.00	-29,886	-50,527	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	2.6	31.6	30.8	1,540	72.7	59.9	56.6	54.4	52.6	56.2	Floor	560		Main Htg	-50.5	1,119	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-21.0	1,119	54.2	71.0	
<b>Total</b>	<b>2.6</b>	<b>31.6</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	560	223	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-50.5</b>			

# Room Checksums

By Trial

1W-P-SW-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	12,044	0	12,044	76	12,044	83	0	0.00	0	0	0.00	Diffuser	770	560
Glass/Door Cond	169	0	169	1	169	1	-3,624	14.35	-3,624	-3,624	14.35	Terminal	770	560
Wall Cond	426	138	564	4	426	3	-590	3.09	-782	-782	3.09	Main Fan	770	560
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	149	149	149	1	132	1	-2,578	10.20	-2,578	-2,578	10.20	Infil	32	32
Sub Total ==>	12,788	138	12,926	82	12,771	88	-6,792	27.64	-6,984	-6,984	27.64	MinStop/Rh	56	560
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	802	592
Lights	859	0	859	5	859	6	0	0.00	0	0	0.00	Exhaust	32	32
People	880	0	880	6	489	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	415	0	415	3	415	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,155	0	2,155	14	1,764	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0
Ceiling Load	34	-34	0	0	34	0	-35	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.75	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-8,116	32.13	-8,116	-8,116	32.13	cfm/ton	584.94	
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.06	14	14	-0.06	ft²/ton	212.49	
Exhaust Heat	0	-14	-14	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.47	-90.31
Sup. Fan Heat	0	0	730	5	0	0	0	0.00	0	0	0.00	No. People	2.0	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	14,977	91	15,798	100.00	14,568	100.00	-14,943	100.00	-25,263	-25,263	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	1.3	15.8	15.4	770	72.7	59.9	56.6	54.4	52.6	56.2	Floor	280					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
<b>Total</b>	<b>1.3</b>	<b>15.8</b>									Roof	0	0	0			
											Wall	280	112	40			
											Ext Door	0	0	0			
											<b>Total</b>	<b>-25.3</b>					

# Room Checksums

By Trial

1W-P-SW-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating			
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6		
<b>Envelope Loads</b>				<b>Envelope Loads</b>								<b>AIRFLOWS</b>				
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Diffuser	513	373		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Terminal	513	373		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00				Main Fan	513	373		
Glass Solar	8,029	0	8,029	76	83	Glass Solar	0	0.00				Sec Fan	0	0		
Glass/Door Cond	113	0	113	1	1	Glass/Door Cond	-2,416	14.35				Nom Vent	0	0		
Wall Cond	284	92	376	4	3	Wall Cond	-393	3.09				AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Infil	21	21		
Floor	0	0	0	0	0	Floor	0	0.00				MinStop/Rh	37	373		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Return	535	394		
Infiltration	100	0	100	1	1	Infiltration	-1,718	10.20				Exhaust	21	21		
Sub Total ==>	8,526	92	8,618	82	88	Sub Total ==>	-4,528	27.64				Rm Exh	0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>ENGINEERING CKS</b>				
Lights	573	0	573	5	6	Lights	0	0.00				% OA	0.0	0.0		
People	587	0	587	6	3	People	0	0.00				cfm/ft²	2.75	2.00		
Misc	277	0	277	3	3	Misc	0	0.00				cfm/ton	584.94			
Sub Total ==>	1,437	0	1,437	14	12	Sub Total ==>	0	0.00				ft²/ton	212.49			
Sub Total ==>	8,526	92	8,618	82	88	Sub Total ==>	-4,528	27.64				Btu/hr-ft²	56.47	-90.31		
<b>Ceiling Load</b>				<b>Ceiling Load</b>								<b>No. People</b>				
Ventilation Load	0	-22	0	0	0	Ventilation Load	-23	0.00				No. People	1.3	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00								
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-5,411	32.13								
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	9	-0.06								
Exhaust Heat	0	-9	0	0	0	OA Preheat Diff.	0	0.00								
Sup. Fan Heat	0	487	5	0	0	RA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-6,717	39.88								
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-67	0.40								
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00								
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00								
Grand Total ==>	9,985	61	10,532	100.00	9,712	Grand Total ==>	-9,962	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.9	10.5	10.3	513	72.7	59.9	56.6	54.4	52.6	56.2	Floor	187	Main Htg	-16.8	373	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-7.0	373	54.2	71.0
Total	0.9	10.5									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	187	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-16.8			



# Room Checksums

By Trial

2- 2E-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	5,138	5,138
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	5,138	5,138
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	5,138	5,138
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	12,640	12,640	34	3,945	19	Infiltration	-23,670	10.20	Infiltration	-23,670	10.20	Infil	295	295
Sub Total ==>	12,640	12,640	34	3,945	19	Sub Total ==>	-23,670	10.20	Sub Total ==>	-23,670	10.20	MinStop/Rh	514	5,138
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	5,433	5,433
Lights	7,891	0	7,891	21	7,891	Lights	0	0.00	Lights	0	0.00	Exhaust	295	295
People	8,084	0	8,084	22	4,491	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	3,814	0	3,814	10	3,814	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	19,788	0	19,788	53	16,195	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	454	-454	0	0	454	<b>Ceiling Load</b>	-319	0.00	<b>Ceiling Load</b>	-319	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	1,661.03	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-113,227	48.81	<b>Ov/Undr Sizing</b>	-113,227	48.81	ft²/ton	830.52	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	129	-0.06	<b>Exhaust Heat</b>	129	-0.06	Btu/hr-ft²	14.45	-90.31
<b>Exhaust Heat</b>	-183	-183	0	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	18.0	7.0/1000 ft²
<b>Sup. Fan Heat</b>	4,871	4,871	13	4,871	13	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-92,524	39.88	<b>Additional Reheat</b>	-92,524	39.88			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-2,689	1.16	<b>System Plenum Heat</b>	-2,689	1.16			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	32,883	-638	37,116	100.00	20,594	<b>Grand Total ==&gt;</b>	-137,216	100.00	<b>Grand Total ==&gt;</b>	-231,981	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	3.1	37.1	24.8	5,138	72.8	59.9	56.6	54.4	52.7	56.6	Floor	2,569		Main Htg	-232.0	5,138	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-96.4	5,138	54.2	71.0
<b>Total</b>	3.1	37.1									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-232.0			

# Room Checksums

By Trial

2- 2E-I-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Infiltration	6,320	0	6,320	34	1,972	19	-11,835	10.20	-11,835	-11,835	10.20	Nom Vent	0	0
Sub Total ==>	6,320	0	6,320	34	1,972	19	-11,835	10.20	-11,835	-11,835	10.20	AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Infil	148	148
Lights	3,945	0	3,945	21	3,945	38	0	0.00	0	0	0.00	MinStop/Rh	257	2,569
People	4,042	0	4,042	22	2,245	22	0	0.00	0	0	0.00	Return	2,717	2,717
Misc	1,907	0	1,907	10	1,907	19	0	0.00	0	0	0.00	Exhaust	148	148
Sub Total ==>	9,894	0	9,894	53	8,098	79	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0
Ventilation Load	0	-227	0	0	227	2	-160	0.00	0	0	0.00	Leakage Dwn	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	-56,613	-56,613	48.81	<b>ENGINEERING CKS</b>		
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	64	-0.06		Cooling	Heating
Exhaust Heat	0	-92	-92	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Sup. Fan Heat	0	0	2,436	13	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.03	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-46,262	39.88	ft²/ton	830.52	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	-1,345	1.16	Btu/hr-ft²	14.45	-90.31
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
<b>Grand Total ==&gt;</b>	<b>16,441</b>	<b>-319</b>	<b>18,558</b>	<b>100.00</b>	<b>10,297</b>	<b>100.00</b>	<b>-68,608</b>	<b>100.00</b>	<b>-68,608</b>	<b>-115,990</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	1.6	18.6	12.4	2,569	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,284	Main Htg	-116.0	2,569	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>1.6</b>	<b>18.6</b>									ExFlr	0	Reheat	-48.2	2,569	54.2	71.0
											Roof	0	0	0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													<b>Total</b>	<b>-116.0</b>			

# Room Checksums

By Trial

2- 2E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	12,844	12,844
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	12,844	12,844
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	12,844	12,844
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	31,601		31,601	34	9,862	19	-59,174	10.20	-59,174	-59,174	10.20	AHU Vent	0	0
Sub Total ==>	31,601	0	31,601	34	9,862	19	-59,174	10.20	-59,174	-59,174	10.20	Infil	739	739
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	1,284	12,844
Lights	19,726	0	19,726	21	19,726	38	0	0.00	0	0	0.00	Return	13,583	13,583
People	20,209	0	20,209	22	11,227	22	0	0.00	0	0	0.00	Exhaust	739	739
Misc	9,534	0	9,534	10	9,534	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	49,470	0	49,470	53	40,488	79	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	1,135	-1,135	0	0	1,135	2	-798	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-283,067	48.81	-283,067	-283,067	48.81	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	322	-0.06	cfm/ft²	2.00	2.00
Exhaust Heat	0	-459	-459	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.03	
Sup. Fan Heat	0	0	12,178	13	0	0	0	0.00	0	0	0.00	ft²/ton	830.52	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-231,310	39.88	Btu/hr-ft²	14.45	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-6,723	1.16	No. People	44.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>82,206</b>	<b>-1,594</b>	<b>92,791</b>	<b>100.00</b>	<b>51,486</b>	<b>100.00</b>	<b>-343,039</b>	<b>100.00</b>	<b>-579,952</b>	<b>-579,952</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	7.7	92.8	62.1	12,844	72.8	59.9	56.6	54.4	52.7	56.6	Floor	6,422				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				
<b>Total</b>	<b>7.7</b>	<b>92.8</b>									ExFlr	0				
											Roof	0	0	0		
											Wall	0	0	0		
											Ext Door	0	0	0		

# Room Checksums

By Trial

2- 2E-I-SM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5,138	5,138
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5,138	5,138
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	5,138	5,138
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	12,640	0	12,640	34	3,945	19	-23,670	10.20	-23,670	-23,670	10.20	AHU Vent	0	0
Sub Total ==>	12,640	0	12,640	34	3,945	19	-23,670	10.20	-23,670	-23,670	10.20	Infil	295	295
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	514	5,138
Lights	7,891	0	7,891	21	7,891	38	0	0.00	0	0	0.00	Return	5,433	5,433
People	8,084	0	8,084	22	4,491	22	0	0.00	0	0	0.00	Exhaust	295	295
Misc	3,814	0	3,814	10	3,814	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	19,788	0	19,788	53	16,195	79	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	454	-454	0	0	454	2	-319	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-113,227	48.81	-113,227	-113,227	48.81		Cooling	Heating
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Exhaust Heat	0	-183	-183	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Sup. Fan Heat	0	0	4,871	13	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.03	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	830.52	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	18.0	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	32,883	-638	37,116	100.00	20,594	100.00	-137,216	100.00	-137,216	-231,981	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	3.1	37.1	24.8	5,138	72.8	59.9	56.6	54.4	52.7	56.6	Floor	2,569			Main Htg	-232.0	5,138	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-96.4	5,138	54.2	71.0
<b>Total</b>	<b>3.1</b>	<b>37.1</b>									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-232.0</b>			

# Room Checksums

By Trial

2- 2E-P-NE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,188	0	2,188	58	2,306	100	0	0.00	0	0	0.00	Diffuser	121	115
Glass/Door Cond	-51	0	-51	-1	-123	-5	-974	18.76	-974	-974	18.76	Terminal	121	115
Wall Cond	31	12	44	1	29	1	-106	2.86	-106	-149	2.86	Main Fan	121	115
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	72	0	72	2	-65	-3	-529	10.20	-529	-529	10.20	Infil	7	7
Sub Total ==>	2,240	12	2,253	60	2,147	94	-1,609	31.83	-1,609	-1,652	31.83	MinStop/Rh	11	115
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	128	122
Lights	71	0	71	2	71	3	0	0.00	0	0	0.00	Exhaust	7	7
People	44	0	44	1	20	1	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	56	0	56	2	56	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	171	0	171	5	147	6	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-2	0	0	1	0	-7	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Ov/Undr Sizing	1,210	0	1,210	32	0	0	-1,453	28.00	-1,453	-1,453	28.00	cfm/ton	388.40	
Exhaust Heat	0	-1	-1	0	0	0	0	-0.06	0	0	-0.06	ft²/ton	183.97	
Sup. Fan Heat	0	0	115	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	65.23	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.4	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,623</b>	<b>9</b>	<b>3,747</b>	<b>100.00</b>	<b>2,295</b>	<b>100.00</b>	<b>-3,069</b>	<b>100.00</b>	<b>-3,069</b>	<b>-5,188</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.8	3.6	121	72.4	59.8	56.6	54.4	48.4	41.1	Floor	57		-5.2	115	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-2.2	115	54.2	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.8</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	62	30	48	0.0	0	0.0	0.0
											Ext Door	0	0	0	-5.2			

# Room Checksums

By Trial

2- 2E-P-NE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,375	0	4,375	58	4,611	100	0	0.00	0	0	0.00	Diffuser	243	230
Glass/Door Cond	-101	0	-101	-1	-246	-5	-1,947	18.76	-1,947	-1,947	18.76	Terminal	243	230
Wall Cond	62	25	87	1	58	1	-212	2.87	-212	-297	2.87	Main Fan	243	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	145	0	145	2	-129	-3	-1,059	10.20	-1,059	-1,059	10.20	Infil	13	13
Sub Total ==>	4,481	25	4,506	60	4,294	94	-3,218	31.83	-3,218	-3,303	31.83	MinStop/Rh	23	230
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	256	243
Lights	141	0	141	2	141	3	0	0.00	0	0	0.00	Exhaust	13	13
People	87	0	87	1	39	1	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	113	0	113	2	113	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	341	0	341	5	293	6	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	4	-4	0	0	2	0	-14	0.00	-14	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	388.40	
Ov/Undr Sizing	2,420	0	2,420	32	0	0	-2,905	28.00	-2,905	-2,905	28.00	ft²/ton	183.97	
Exhaust Heat	0	-2	-2	0	0	0	6	-0.06	6	6	-0.06	Btu/hr-ft²	65.23	-90.31
Sup. Fan Heat	0	0	230	3	0	0	0	0.00	0	0	0.00	No. People	0.8	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,246	19	7,495	100.00	4,589	100.00	-6,138	100.00	-6,138	-10,376	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	41.1	Floor	115	Main Htg	-10.4	230	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-4.3	230	54.2	71.0
<b>Total</b>	<b>0.6</b>	<b>7.5</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	124	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-10.4</b>			

# Room Checksums

By Trial

2- 2E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	32,797	0	32,797	58	100	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	1,818	1,724
Glass/Door Cond	-759	0	-759	-1	-5	Glass/Door Cond	-14,594	18.75	Glass/Door Cond	-14,594	18.75	Terminal	1,818	1,724
Wall Cond	466	186	653	1	1	Wall Cond	-1,592	2.86	Wall Cond	-2,228	2.86	Main Fan	1,818	1,724
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	1,084	0	1,084	2	-3	Infiltration	-7,940	10.20	Infiltration	-7,940	10.20	Infil	99	99
Sub Total ==>	33,587	186	33,774	60	94	Sub Total ==>	-24,127	31.82	Sub Total ==>	-24,763	31.82	MinStop/Rh	172	1,724
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,917	1,823
Lights	1,059	0	1,059	2	3	Lights	0	0.00	Lights	0	0.00	Exhaust	99	99
People	655	0	655	1	1	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	846	0	846	2	2	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	2,560	0	2,560	5	6	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-33	0	0	0	Ventilation Load	-107	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-21,798	28.01	Ov/Undr Sizing	-21,798	28.01	cfm/ft²	2.11	2.00
Ov/Undr Sizing	18,152	0	18,152	32	0	Exhaust Heat	43	-0.06	Exhaust Heat	43	-0.06	cfm/ton	388.29	
Exhaust Heat	0	-13	-13	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	184.02	
Sup. Fan Heat	0	0	0	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	65.21	-90.31
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-31,039	39.88	Additional Reheat	-31,039	39.88	No. People	6.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-266	0.34	System Plenum Heat	-266	0.34			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	54,332	140	56,194	100.00	100.00	Grand Total ==>	-46,032	100.00	Grand Total ==>	-77,822	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	4.7	56.2	54.4	1,816	72.4	59.8	56.6	54.4	48.4	41.0	Floor	862		Main Htg	-77.8	1,724	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-32.3	1,724	54.2	71.0
<b>Total</b>	<b>4.7</b>	<b>56.2</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	929	449	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-77.8</b>			

# Room Checksums

By Trial

2- 2E-P-NE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,375	0	4,375	58	4,611	100	0	0.00	0	0	0.00	Diffuser	243	230
Glass/Door Cond	-101	0	-101	-1	-246	-5	-1,947	18.76	-1,947	-1,947	18.76	Terminal	243	230
Wall Cond	62	25	87	1	58	1	-212	2.87	-212	-297	2.87	Main Fan	243	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	145	0	145	2	-129	-3	-1,059	10.20	-1,059	-1,059	10.20	Infil	13	13
Sub Total ==>	4,481	25	4,506	60	4,294	94	-3,218	31.83	-3,218	-3,303	31.83	MinStop/Rh	23	230
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	256	243
Lights	141	0	141	2	141	3	0	0.00	0	0	0.00	Exhaust	13	13
People	87	0	87	1	39	1	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	113	0	113	2	113	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	341	0	341	5	293	6	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0
Ceiling Load	4	-4	0	0	2	0	-14	0.00	-14	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	388.40	
Ov/Undr Sizing	2,420	0	2,420	32	0	0	-2,905	28.00	-2,905	-2,905	28.00	ft²/ton	183.97	
Exhaust Heat	0	-2	-2	0	0	0	6	-0.06	6	6	-0.06	Btu/hr-ft²	65.23	-90.31
Sup. Fan Heat	0	0	230	3	0	0	0	0.00	0	0	0.00	No. People	0.8	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,246	19	7,495	100.00	4,589	100.00	-6,138	100.00	-6,138	-10,376	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F									°F
Main Clg	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	41.1	Floor	115		Main Htg	-10.4	230	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-4.3	230	54.2	71.0	
<b>Total</b>	<b>0.6</b>	<b>7.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	124	60	48	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-10.4</b>			



# Room Checksums

By Trial

2- 2E-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17				Mo/Hr: 6 / 17				Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 82 / 71 / 97				OADB: 81				OADB: -1					
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Space Peak Btu/h	Coil Peak Btu/h	Percent Of Total (%)	Cooling	Heating			
<b>Envelope Loads</b>						<b>Envelope Loads</b>							
Skylite Solar	0	0	0	0	0	0	0	0.00			SADB	55.0	95.0
Skylite Cond	0	0	0	0	0	0	0	0.00			Ra Plenum	72.4	70.6
Roof Cond	0	0	0	0	0	0	0	0.00			Return	72.4	70.6
Glass Solar	4,581	0	4,581	56	4,895	71	0	0.00			Ret/OA	72.4	70.6
Glass/Door Cond	307	0	307	4	270	4	-2,166	12.10			Fn MtrTD	0.1	0.0
Wall Cond	209	65	273	3	217	3	-387	2.84			Fn BldTD	0.2	0.0
Partition/Door	0	0	0	0	0	0	0	0.00			Fn Frict	0.6	0.0
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	907	0	907	11	223	3	-1,826	10.20					
Sub Total ==>	6,003	65	6,068	74	5,605	81	-4,379	25.14					
<b>Internal Loads</b>						<b>Internal Loads</b>							
Lights	609	0	609	7	609	9	0	0.00					
People	624	0	624	8	346	5	0	0.00					
Misc	316	0	316	4	316	5	0	0.00					
Sub Total ==>	1,548	0	1,548	19	1,271	18	0	0.00					
Ceiling Load	27	-27	0	0	27	0	-25	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	-6,181	34.54					
Ov/Undr Sizing	251	0	251	3	0	0	10	-0.06					
Exhaust Heat	0	-11	-11	0	0	0	0	0.00					
Sup. Fan Heat	0	0	376	5	0	0	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	-7,137	39.88					
Duct Heat Pkup	0	0	0	0	0	0	-87	0.49					
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0.00					
Grand Total ==>	7,829	27	8,231	100.00	6,904	100.00	-10,584	17.894	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	396	396
Terminal	396	396
Main Fan	396	396
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	23	23
MinStop/Rh	40	396
Return	419	419
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	577.73	
ft²/ton	288.87	
Btu/hr-ft²	41.54	-90.31
No. People	1.4	7.0/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F			
					°F	°F	gr/lb	°F	°F	gr/lb									
Main Clg	0.7	8.2	7.3	396	72.7	59.9	56.6	54.4	52.5	55.9	Floor	198		Main Htg	-17.9	396	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-7.4	396	54.2	71.0	
Total	0.7	8.2									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	176	67	38	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-17.9			

# Room Checksums

By Trial

2- 2E-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens	Of Total		
						Btu/h	Btu/h	(%)		
<b>Envelope Loads</b>				<b>Envelope Loads</b>						
Skylite Solar	0	0	0	0	0	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00		
Roof Cond	0	0	0	0	0	0	0	0.00		
Glass Solar	9,162	0	9,162	56	71	0	0	0.00		
Glass/Door Cond	614	0	614	4	4	-4,332	-4,332	12.10		
Wall Cond	417	129	547	3	3	-774	-1,015	2.84		
Partition/Door	0	0	0	0	0	0	0	0.00		
Floor	0	0	0	0	0	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00		
Infiltration	1,813	0	1,813	11	3	-3,652	-3,652	10.20		
Sub Total ==>	12,006	129	12,135	74	81	-8,758	-8,999	25.14		
<b>Internal Loads</b>				<b>Internal Loads</b>						
Lights	1,217	0	1,217	7	9	0	0	0.00		
People	1,247	0	1,247	8	5	0	0	0.00		
Misc	632	0	632	4	5	0	0	0.00		
Sub Total ==>	3,097	0	3,097	19	18	0	0	0.00		
Ceiling Load	54	-54	0	0	0	-49	0	0.00		
Ventilation Load	0	0	0	0	0	0	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00		
Dehumid. Ov Sizing	0	0	0	0	0	-12,362	-12,362	34.54		
Ov/Undr Sizing	501	0	501	3	0	0	20	-0.06		
Exhaust Heat	0	-22	-22	0	0	0	0	0.00		
Sup. Fan Heat	0	752	752	5	0	0	0	0.00		
Ret. Fan Heat	0	0	0	0	0	0	-14,274	39.88		
Duct Heat Pkup	0	0	0	0	0	0	-174	0.49		
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00		
Supply Air Leakage	0	0	0	0	0	0	0	0.00		
Grand Total ==>	15,658	53	16,463	100.00	13,807	100.00	-21,169	-35,789	100.00	

TEMPERATURES		
	Cooling	Heating
SADB	55.0	95.0
Ra Plenum	72.4	70.6
Return	72.4	70.6
Ret/OA	72.4	70.6
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.6	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	793	793
Terminal	793	793
Main Fan	793	793
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	46	46
MinStop/Rh	79	793
Return	838	838
Exhaust	46	46
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	577.73	
ft²/ton	288.87	
Btu/hr-ft²	41.54	-90.31
No. People	2.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.4	16.5	14.6	793	72.7	59.9	56.6	54.4	52.5	55.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.4</b>	<b>16.5</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	396		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	352	133	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-35.8	793	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-14.9	793	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-35.8</b>			

# Room Checksums

By Trial

2- 2E-P-NW-00

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating					
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1			OADB: -1			SADB	55.0	95.0				
	Space	Plenum	Net	Percent	Space	Percent						Ra Plenum	72.4	70.6					
	Sens. + Lat.	Sens. + Lat	Total	Of Total	Sensible	Of Total						Return	72.4	70.6					
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)						Ret/OA	72.4	70.6					
<b>Envelope Loads</b>					<b>Envelope Loads</b>					<b>Envelope Loads</b>					Fn MtrTD	0.1	0.0		
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Skylite Solar	0	0	0.00	Fn BldTD	0.2	0.0		
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Skylite Cond	0	0	0.00	Fn Frict	0.6	0.0		
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	68,712	0	68,712	56	73,428	71	Glass Solar	0	0	0.00	Glass Solar	0	0	0.00					
Glass/Door Cond	4,603	0	4,603	4	4,049	4	Glass/Door Cond	-32,491	-32,491	12.10	Glass/Door Cond	-32,491	-32,491	12.10					
Wall Cond	3,131	970	4,101	3	3,256	3	Wall Cond	-5,804	-7,612	2.84	Wall Cond	-5,804	-7,612	2.84					
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00	Partition/Door	0	0	0.00					
Floor	0	0	0	0	0	0	Floor	0	0	0.00	Floor	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00	Adjacent Floor	0	0	0.00					
Infiltration	13,600	0	13,600	11	3,347	3	Infiltration	-27,387	-27,387	10.20	Infiltration	-27,387	-27,387	10.20					
Sub Total ==>	90,046	970	91,016	74	84,080	81	Sub Total ==>	-65,683	-67,491	25.14	Sub Total ==>	-65,683	-67,491	25.14					
<b>Internal Loads</b>					<b>Internal Loads</b>					<b>Internal Loads</b>					<b>AIRFLOWS</b>				
Lights	9,130	0	9,130	7	9,130	9	Lights	0	0	0.00	Lights	0	0	0.00	Cooling	Heating			
People	9,353	0	9,353	8	5,196	5	People	0	0	0.00	People	0	0	0.00	Diffuser	5,945	5,945		
Misc	4,742	0	4,742	4	4,742	5	Misc	0	0	0.00	Misc	0	0	0.00	Terminal	5,945	5,945		
Sub Total ==>	23,226	0	23,226	19	19,069	18	Sub Total ==>	0	0	0.00	Sub Total ==>	0	0	0.00	Main Fan	5,945	5,945		
Ceiling Load	406	-406	0	0	407	0	Ceiling Load	-369	0	0.00	Ceiling Load	-369	0	0.00	Sec Fan	0	0		
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Ventilation Load	0	0	0.00	Nom Vent	0	0		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0	Adj Air Trans Heat	0	0	0	AHU Vent	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-92,715	-92,715	34.54	Ov/Undr Sizing	-92,715	-92,715	34.54	Infil	342	342		
Ov/Undr Sizing	3,759	0	3,759	3	0	0	Exhaust Heat	0	149	-0.06	Exhaust Heat	0	149	-0.06	MinStop/Rh	594	5,945		
Exhaust Heat	0	-164	-164	0	0	0	OA Preheat Diff.	0	0	0.00	OA Preheat Diff.	0	0	0.00	Return	6,286	6,286		
Sup. Fan Heat	0	5,636	5,636	5	0	0	RA Preheat Diff.	0	0	0.00	RA Preheat Diff.	0	0	0.00	Exhaust	342	342		
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	-107,056	39.88	Additional Reheat	0	-107,056	39.88	Rm Exh	0	0		
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	-1,303	0.49	System Plenum Heat	0	-1,303	0.49	Auxiliary	0	0		
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00	Underflr Sup Ht Pkup	0	0	0.00	Leakage Dwn	0	0		
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00	Supply Air Leakage	0	0	0.00	Leakage Ups	0	0		
Grand Total ==>	117,436	400	123,472	100.00	103,555	100.00	Grand Total ==>	-158,767	-268,415	100.00	Grand Total ==>	-158,767	-268,415	100.00	<b>ENGINEERING CKS</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	10.3	123.5	109.6	5,945	72.7	59.9	56.6	54.4	52.5	55.9	Floor	2,972					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
Total	10.3	123.5									Roof	0	0	0			
											Wall	2,639	1,000	38			
											Ext Door	0	0	0			

Project Name: WEX Building  
Dataset Name: WEX\_007.trc

TRACE® 700 v6.3.3 calculated at 01:00 PM on 10/05/2017  
Alternative - 1 System Checksums Report Page 64 of 304

# Room Checksums

By Trial

2- 2E-P-NW-PO

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1						SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Ret/OA	72.4	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Glass Solar	9,162	0	56	9,790	71	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	614	0	4	540	4	-4,332	-4,332	12.10	-4,332	-4,332	12.10	Cooling	Heating				
Wall Cond	417	129	3	434	3	-774	-1,015	2.84	-774	-1,015	2.84	Diffuser	793	793			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	793	793			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	793	793			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Infiltration	1,813	1,813	11	446	3	-3,652	-3,652	10.20	-3,652	-3,652	10.20	Nom Vent	0	0			
Sub Total ==>	12,006	129	74	11,211	81	-8,758	-8,999	25.14	-8,758	-8,999	25.14	AHU Vent	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										Infil	46	46
Lights	1,217	0	7	1,217	9	0	0	0.00	0	0	0.00	MinStop/Rh	79	793			
People	1,247	0	8	693	5	0	0	0.00	0	0	0.00	Return	838	838			
Misc	632	0	4	632	5	0	0	0.00	0	0	0.00	Exhaust	46	46			
Sub Total ==>	3,097	0	19	2,542	18	0	0	0.00	0	0	0.00	Rm Exh	0	0			
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Auxiliary	0	0
Ventilation Load	0	-54	0	54	0	-49	0	0.00	-49	0	0.00	Leakage Dwn	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Ov/Undr Sizing	501	501	3	0	0	-12,362	-12,362	34.54	-12,362	-12,362	34.54	% OA	0.0	0.0			
Exhaust Heat	0	-22	0	0	0	0	20	-0.06	0	0	-0.06	cfm/ft²	2.00	2.00			
Sup. Fan Heat	0	752	5	0	0	0	0	0.00	0	0	0.00	cfm/ton	577.73				
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	288.87				
Duct Heat Pkup	0	0	0	0	0	0	-174	0.49	0	0	0.00	Btu/hr-ft²	41.54	-90.31			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>15,658</b>	<b>53</b>	<b>100.00</b>	<b>13,807</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>						

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvq °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb								
Main Clg	1.4	16.5	14.6	793	72.7	59.9	56.6	54.4	52.5	55.9	Floor	396	Main Htg	-35.8	793	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0	
											ExFlr	0	Reheat	-14.9	793	54.2	71.0	
Total	1.4	16.5									Roof	0	Humidif	0.0	0	0.0	0.0	
											Wall	352	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	Total	-35.8				

# Room Checksums

By Trial

## 2- 2E-P-SE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES																																												
Peaked at Time:                      Mo/Hr: 9 / 10				Mo/Hr: 9 / 10				Mo/Hr: Heating Design				Cooling      Heating																																												
Outside Air:                      OADB/WB/HR: 62 / 54 / 49				OADB: 62				OADB: -1				SADB              55.0      95.0																																												
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ra Plenum              72.1      70.6																																															
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Return                  72.1      70.6																																															
Envelope Loads									Fn MtrTD              0.1      0.0																																															
Envelope Loads									Fn BldTD              0.2      0.0																																															
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Fn Frict                0.6      0.0																																															
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	<h3 style="text-align: center;">AIRFLOWS</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th><th>Cooling</th><th>Heating</th></tr> </thead> <tbody> <tr><td>Diffuser</td><td>365</td><td>304</td></tr> <tr><td>Terminal</td><td>365</td><td>304</td></tr> <tr><td>Main Fan</td><td>365</td><td>304</td></tr> <tr><td>Sec Fan</td><td>0</td><td>0</td></tr> <tr><td>Nom Vent</td><td>0</td><td>0</td></tr> <tr><td>AHU Vent</td><td>0</td><td>0</td></tr> <tr><td>Infil</td><td>17</td><td>17</td></tr> <tr><td>MinStop/Rh</td><td>30</td><td>304</td></tr> <tr><td>Return</td><td>382</td><td>321</td></tr> <tr><td>Exhaust</td><td>17</td><td>17</td></tr> <tr><td>Rm Exh</td><td>0</td><td>0</td></tr> <tr><td>Auxiliary</td><td>0</td><td>0</td></tr> <tr><td>Leakage Dwn</td><td>0</td><td>0</td></tr> <tr><td>Leakage Ups</td><td>0</td><td>0</td></tr> </tbody> </table>				Cooling	Heating	Diffuser	365	304	Terminal	365	304	Main Fan	365	304	Sec Fan	0	0	Nom Vent	0	0	AHU Vent	0	0	Infil	17	17	MinStop/Rh	30	304	Return	382	321	Exhaust	17	17	Rm Exh	0	0	Auxiliary	0	0	Leakage Dwn	0	0	Leakage Ups	0	0
	Cooling	Heating																																																						
Diffuser	365	304																																																						
Terminal	365	304																																																						
Main Fan	365	304																																																						
Sec Fan	0	0																																																						
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AHU Vent	0	0																																																						
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Auxiliary	0	0																																																						
Leakage Dwn	0	0																																																						
Leakage Ups	0	0																																																						
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00																																																
Glass Solar	6,261	0	6,261	57	6,261	Glass Solar	0	0.00																																																
Glass/Door Cond	-269	0	-269	-2	-269	Glass/Door Cond	-1,883	13.73																																																
Wall Cond	124	42	166	2	124	Wall Cond	-288	2.81																																																
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00																																																
Floor	0	0	0	0	0	Floor	0	0.00																																																
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00																																																
Infiltration	-280		-280	-3	-187	Infiltration	-1,399	10.20																																																
Sub Total ==>	5,836	42	5,877	54	5,929	Sub Total ==>	-3,571	26.74																																																
Internal Loads									Nom Vent              0      0																																															
Internal Loads									AHU Vent              0      0																																															
Lights	466	0	466	4	466	Lights	0	0.00	Infil                    17      17																																															
People	478	0	478	4	265	People	0	0.00	MinStop/Rh          30      304																																															
Misc	233	0	233	2	233	Misc	0	0.00	Return                 382      321																																															
Sub Total ==>	1,178	0	1,178	11	965	Sub Total ==>	0	0.00	Exhaust               17      17																																															
Ceiling Load									Rm Exh                0      0																																															
Ceiling Load									Auxiliary              0      0																																															
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Leakage Dwn        0      0																																															
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Leakage Ups         0      0																																															
Dehumid. Ov Sizing		0	0	0	5	Ov/Undr Sizing	-4,522	32.97	<h3 style="text-align: center;">ENGINEERING CKS</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th><th>Cooling</th><th>Heating</th></tr> </thead> <tbody> <tr><td>% OA</td><td>0.0</td><td>0.0</td></tr> <tr><td>cfm/ft²</td><td>2.40</td><td>2.00</td></tr> <tr><td>cfm/ton</td><td>400.26</td><td></td></tr> <tr><td>ft²/ton</td><td>166.67</td><td></td></tr> <tr><td>Btu/hr-ft²</td><td>72.00</td><td>-90.31</td></tr> <tr><td>No. People</td><td>1.1</td><td>7.0/1000 ft²</td></tr> </tbody> </table>				Cooling	Heating	% OA	0.0	0.0	cfm/ft²	2.40	2.00	cfm/ton	400.26		ft²/ton	166.67		Btu/hr-ft²	72.00	-90.31	No. People	1.1	7.0/1000 ft²																								
	Cooling	Heating																																																						
% OA	0.0	0.0																																																						
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Btu/hr-ft²	72.00	-90.31																																																						
No. People	1.1	7.0/1000 ft²																																																						
Ov/Undr Sizing	3,534		3,534	32	0	Exhaust Heat	8	-0.06																																																
Exhaust Heat		-2	0	0	0	OA Preheat Diff.	0	0.00																																																
Sup. Fan Heat			346	3	0	RA Preheat Diff.	0	0.00																																																
Ret. Fan Heat		0	0	0	0	Additional Reheat	-5,469	39.88																																																
Duct Heat Pkup		0	0	0	0	System Plenum Heat	-62	0.46																																																
Underflr Sup Ht Pkup		0	0	0	0	Underflr Sup Ht Pkup	0	0.00																																																
Supply Air Leakage		0	0	0	0	Supply Air Leakage	0	0.00																																																
Grand Total ==>	10,552	35	10,933	100.00	6,899	Grand Total ==>	-8,111	100.00																																																

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	(%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvq °F			
ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	0.9	10.9	10.8	365	72.4	59.7	56.6	54.4	48.8	42.4	Floor	152	Main Htg	-13.7	304	54.4	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
											ExFlr	0	Reheat	-5.7	304	54.2	71.0		
Total	0.9	10.9									Roof	0	Humidif	0.0	0	0.0	0.0		
											Wall	141	Opt Vent	0.0	0	0.0	0.0		
											Ext Door	0	Total	-13.7					

# Room Checksums

By Trial

2- 2E-P-SE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: 62		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)						
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	0	0	0.00					
Glass Solar	12,516	0	12,516	57	12,516	91	0	0	0.00					
Glass/Door Cond	-538	0	-538	-2	-538	-4	-3,765	-3,765	13.73					
Wall Cond	248	83	331	2	248	2	-576	-769	2.80					
Partition/Door	0		0	0	0	0	0	0	0.00					
Floor	0		0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0.00					
Infiltration	-560		-560	-3	-373	-3	-2,798	-2,798	10.20					
<b>Sub Total ==&gt;</b>	<b>11,666</b>	<b>83</b>	<b>11,749</b>	<b>54</b>	<b>11,852</b>	<b>86</b>	<b>-7,140</b>	<b>-7,333</b>	<b>26.74</b>					
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>		
Lights	933	0	933	4	933	7	0	0	0.00			<b>Cooling</b>	<b>Heating</b>	
People	956	0	956	4	531	4	0	0	0.00			Diffuser	729	607
Misc	466	0	466	2	466	3	0	0	0.00			Terminal	729	607
<b>Sub Total ==&gt;</b>	<b>2,355</b>	<b>0</b>	<b>2,355</b>	<b>11</b>	<b>1,930</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			Main Fan	729	607
<b>Ceiling Load</b>	<b>9</b>	<b>-9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>-38</b>	<b>0</b>	<b>0.00</b>			Sec Fan	0	0
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			Nom Vent	0	0
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-9,045</b>	<b>-9,045</b>	<b>32.98</b>			Infil	35	35
<b>Ov/Undr Sizing</b>	<b>7,069</b>	<b>0</b>	<b>7,069</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>-0.06</b>			MinStop/Rh	61	607
<b>Exhaust Heat</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			Return	764	642
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>691</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			Exhaust	35	35
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			Rm Exh	0	0
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-10,939</b>	<b>39.88</b>			Leakage Dwn	0	0
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-125</b>	<b>0.46</b>			Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	<b>21,099</b>	<b>70</b>	<b>21,861</b>	<b>100.00</b>	<b>13,792</b>	<b>100.00</b>	<b>-16,223</b>	<b>-27,426</b>	<b>100.00</b>			<b>ENGINEERING CKS</b>		
												<b>% OA</b>	<b>Cooling</b>	<b>Heating</b>
												<b>cfm/ft²</b>	2.40	2.00
												<b>cfm/ton</b>	400.19	
												<b>ft²/ton</b>	166.71	
												<b>Btu/hr-ft²</b>	71.98	-90.31
												<b>No. People</b>	2.1	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR		Leave DB/WB/HR			
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	1.8	21.9	21.6	729	72.4	59.7	56.6	54.4	48.8	42.4
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	1.8	21.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	304		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	281	116	41
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			°F	°F
<b>Main Htg</b>	-27.4	607	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-11.4	607	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-27.4			

Project Name: WEX Building  
Dataset Name: WEX\_007.trc

# Room Checksums

By Trial

2- 2E-P-SE-00

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling		Heating				
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1						SADB	55.0	95.0				
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)		Return	72.1	70.6					
<b>Envelope Loads</b>					<b>Envelope Loads</b>									Ret/OA	72.1	70.6			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00		Fn MtrTD	0.1	0.0					
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00		Fn BldTD	0.2	0.0					
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00		Fn Frict	0.6	0.0					
Glass Solar	93,874	0	93,874	57	93,874	91	Glass Solar	0	0	0.00	<b>AIRFLOWS</b>								
Glass/Door Cond	-4,038	0	-4,038	-2	-4,038	-4	Glass/Door Cond	-28,237	-28,237	13.73									
Wall Cond	1,859	623	2,482	2	1,859	2	Wall Cond	-4,323	-5,770	2.80				<b>Diffuser</b>	5,468	4,556			
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				<b>Terminal</b>	5,468	4,556			
Floor	0	0	0	0	0	0	Floor	0	0	0.00				<b>Main Fan</b>	5,468	4,556			
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				<b>Sec Fan</b>	0	0			
Infiltration	-4,198	0	-4,198	-3	-2,798	-3	Infiltration	-20,988	-20,988	10.20				<b>Nom Vent</b>	0	0			
<i>Sub Total ==&gt;</i>	87,496	623	88,119	54	88,896	86	<i>Sub Total ==&gt;</i>	-53,548	-54,995	26.74				<b>AHU Vent</b>	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>									<b>Infil</b>	262	262			
Lights	6,997	0	6,997	4	6,997	7	Lights	0	0	0.00				<b>MinStop/Rh</b>	456	4,556			
People	7,168	0	7,168	4	3,982	4	People	0	0	0.00				<b>Return</b>	5,730	4,817			
Misc	3,498	0	3,498	2	3,498	3	Misc	0	0	0.00				<b>Exhaust</b>	262	262			
<i>Sub Total ==&gt;</i>	17,663	0	17,663	11	14,477	14	<i>Sub Total ==&gt;</i>	0	0	0.00				<b>Rm Exh</b>	0	0			
<b>Ceiling Load</b>	70	-70	0	0	70	0	<b>Ceiling Load</b>	-283	0	0.00				<b>Auxiliary</b>	0	0			
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00				<b>Leakage Dwn</b>	0	0			
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0				<b>Leakage Ups</b>	0	0			
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	-67,838	-67,838	32.98				<b>ENGINEERING CKS</b>					
<b>Ov/Undr Sizing</b>	53,020		53,020	32	0	0	<b>Exhaust Heat</b>		114	-0.06	<b>% OA</b>	0.0	0.0						
<b>Exhaust Heat</b>		-28	-28	0			<b>OA Preheat Diff.</b>		0	0.00	<b>cfm/ft²</b>	2.40	2.00						
<b>Sup. Fan Heat</b>			5,184	3			<b>RA Preheat Diff.</b>		0	0.00	<b>cfm/ton</b>	400.19							
<b>Ret. Fan Heat</b>		0	0	0			<b>Additional Reheat</b>		-82,041	39.88	<b>ft²/ton</b>	166.71							
<b>Duct Heat Pkup</b>		0	0	0			<b>System Plenum Heat</b>		-938	0.46	<b>Btu/hr-ft²</b>	71.98	-90.31						
<b>Underflr Sup Ht Pkup</b>			0	0			<b>Underflr Sup Ht Pkup</b>		0	0.00	<b>No. People</b>	15.9	7.0/1000 ft²						
<b>Supply Air Leakage</b>		0	0	0			<b>Supply Air Leakage</b>		0	0.00									
<b>Grand Total ==&gt;</b>	158,248	525	163,958	100.00	103,443	100.00	<b>Grand Total ==&gt;</b>	-121,669	-205,697	100.00									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F	gr/lb	Leave DB/WB/HR °F °F	gr/lb		Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
<b>Main Clg</b>	13.7	164.0	162.2	5,468	72.4 59.7	56.6	54.4 48.8	42.4	<b>Floor</b>	2,278		<b>Main Htg</b>	-205.7	4,556	54.4 95.0	
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0 0.0	0.0	0.0 0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0 0.0	
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0 0.0	0.0	0.0 0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0 0.0	
<b>Total</b>	13.7	164.0							<b>ExFlr</b>	0		<b>Reheat</b>	-85.4	4,556	54.2 71.0	
									<b>Roof</b>	0	0	<b>Humidif</b>	0.0	0	0.0 0.0	
									<b>Wall</b>	2,111	869	<b>Opt Vent</b>	0.0	0	0.0 0.0	
									<b>Ext Door</b>	0	0	<b>Total</b>	-205.7			

Project Name: WEX Building  
 Dataset Name: WEX\_007.trc

TRACE® 700 v6.3.3 calculated at 01:00 PM on 10/05/2017  
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# Room Checksums

By Trial

2- 2E-P-SE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design									
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1									
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Space Peak Btu/h	Coil Peak Btu/h	Percent (%)				Cooling	Heating		
<b>Envelope Loads</b>				<b>Envelope Loads</b>											
Skylite Solar	0	0	0	0	0	0	0	0.00	SkyLite Solar	0	0	0.00			
Skylite Cond	0	0	0	0	0	0	0	0.00	SkyLite Cond	0	0	0.00			
Roof Cond	0	0	0	0	0	0	0	0.00	Roof Cond	0	0	0.00			
Glass Solar	12,516	0	12,516	57	12,516	91	0	0.00	Glass Solar	0	0	0.00			
Glass/Door Cond	-538	0	-538	-2	-538	-4	-3,765	13.73	Glass/Door Cond	-3,765	-3,765	13.73			
Wall Cond	248	83	331	2	248	2	-576	2.80	Wall Cond	-576	-769	2.80			
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00			
Infiltration	-560	0	-560	-3	-373	-3	-2,798	10.20	Infiltration	-2,798	-2,798	10.20			
Sub Total ==>	11,666	83	11,749	54	11,852	86	-7,140	26.74	Sub Total ==>	-7,140	-7,333	26.74			
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>AIRFLOWS</b>				
Lights	933	0	933	4	933	7	0	0.00	Lights	0	0	0.00	Diffuser	729	607
People	956	0	956	4	531	4	0	0.00	People	0	0	0.00	Terminal	729	607
Misc	466	0	466	2	466	3	0	0.00	Misc	0	0	0.00	Main Fan	729	607
Sub Total ==>	2,355	0	2,355	11	1,930	14	0	0.00	Sub Total ==>	0	0	0.00	Sec Fan	0	0
Ceiling Load	9	-9	0	0	9	0	-38	0.00	Ceiling Load	-38	0	0.00	Nom Vent	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	Ventilation Load	0	0	0.00	AHU Vent	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0	Infil	35	35
Dehumid. Ov Sizing	0	0	0	0	0	0	-9,045	32.98	Ov/Undr Sizing	-9,045	-9,045	32.98	MinStop/Rh	61	607
Ov/Undr Sizing	7,069	0	7,069	32	0	0	15	-0.06	Exhaust Heat	15	-0.06	Return	764	642	
Exhaust Heat	0	-4	-4	0	0	0	0	0.00	OA Preheat Diff.	0	0.00	Exhaust	35	35	
Sup. Fan Heat	0	691	691	3	0	0	0	0.00	RA Preheat Diff.	0	0.00	Rm Exh	0	0	
Ret. Fan Heat	0	0	0	0	0	0	-10,939	39.88	Additional Reheat	-10,939	39.88	Auxiliary	0	0	
Duct Heat Pkup	0	0	0	0	0	0	-125	0.46	System Plenum Heat	-125	0.46	Leakage Dwn	0	0	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0.00	Leakage Ups	0	0	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0.00				
<b>Grand Total ==&gt;</b>	<b>21,099</b>	<b>70</b>	<b>21,861</b>	<b>100.00</b>	<b>13,792</b>	<b>100.00</b>	<b>-16,223</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-16,223</b>	<b>-27,426</b>	<b>100.00</b>	<b>ENGINEERING CKS</b>		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	1.8	21.9	21.6	729	72.4	59.7	56.6	54.4	48.8	42.4	Floor	304	-27.4	607	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	-11.4	607	54.2	71.0
<b>Total</b>	<b>1.8</b>	<b>21.9</b>									Roof	0	0.0	0	0.0	0.0
											Wall	281	0.0	0	0.0	0.0
											Ext Door	0	0.0	0	0.0	0.0
											<b>Total</b>	<b>-27.4</b>				



## Room Checksums

By Trial

2- 2W-I-CN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design							Cooling	Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1							SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total (%)						
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h							
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>		
S skylite Solar	0	0	0	0	0	0	0	0.00	S skylite Solar	0	0	0.00	Diffuser	2,057	2,057		
S skylite Cond	0	0	0	0	0	0	0	0.00	S skylite Cond	0	0	0.00	Terminal	2,057	2,057		
R Roof Cond	0	0	0	0	0	0	0	0.00	R Roof Cond	0	0	0.00	Main Fan	2,057	2,057		
G Glass Solar	0	0	0	0	0	0	0	0.00	G Glass Solar	0	0	0.00	Sec Fan	0	0		
G Glass/Door Cond	0	0	0	0	0	0	0	0.00	G Glass/Door Cond	0	0	0.00	Nom Vent	0	0		
W Wall Cond	0	0	0	0	0	0	0	0.00	W Wall Cond	0	0	0.00	AHU Vent	0	0		
P Partition/Door	0	0	0	0	0	0	0	0.00	P Partition/Door	0	0	0.00	Infil	118	118		
F Floor	0	0	0	0	0	0	0	0.00	F Floor	0	0	0.00	MinStop/Rh	206	2,057		
A Adjacent Floor	0	0	0	0	0	0	0	0.00	A Adjacent Floor	0	0	0.00	Return	2,175	2,175		
I Infiltration	5,061		5,061	34	1,580	19	-9,478	10.20	I Infiltration	-9,478	-9,478	10.20	Exhaust	118	118		
Sub Total ==>	5,061		5,061	34	1,580	19	-9,478	10.20	Sub Total ==>	-9,478	-9,478	10.20	Rm Exh	0	0		
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>		
L Lights	3,160	0	3,160	21	3,160	38	0	0.00	L Lights	0	0	0.00	% OA	0.0	0.0		
P People	3,237	0	3,237	22	1,798	22	0	0.00	P People	0	0	0.00	cfm/ft²	2.00	2.00		
M Misc	1,527	0	1,527	10	1,527	19	0	0.00	M Misc	0	0	0.00	cfm/ton	1,661.03			
Sub Total ==>	7,924		7,924	53	6,485	79	0	0.00	Sub Total ==>	0	0	0.00	ft²/ton	830.52			
C Ceiling Load	182	-182	0	0	182	2	-128	0.00	C Ceiling Load	-128	0	0.00	Btu/hr-ft²	14.45	-90.31		
V Ventilation Load	0	0	0	0	0	0	0	0.00	V Ventilation Load	0	0	0.00	No. People	7.2	7.0/1000 ft²		
A Adj Air Trans Heat	0	0	0	0	0	0	0	0	A Adj Air Trans Heat	0	0	0					
D Dehumid. Ov Sizing			0	0			-45,338	48.81	D Dehumid. Ov Sizing	-45,338	-45,338	48.81					
O Ov/Undr Sizing	0		0	0	0	0	52	-0.06	O Ov/Undr Sizing	0	0	0.00					
E Exhaust Heat		-73	-73	0			0	0.00	E Exhaust Heat			0.00					
S Sup. Fan Heat			1,951	13			0	0.00	S Sup. Fan Heat			0.00					
R Ret. Fan Heat		0	0	0				0.00	R Ret. Fan Heat			0.00					
D Duct Heat Pkup		0	0	0				0.00	D Duct Heat Pkup			0.00					
U Underflr Sup Ht Pkup			0	0				0.00	U Underflr Sup Ht Pkup			0.00					
S Supply Air Leakage		0	0	0				0.00	S Supply Air Leakage			0.00					
<b>Grand Total ==&gt;</b>	<b>13,167</b>	<b>-255</b>	<b>14,862</b>	<b>100.00</b>	<b>8,246</b>	<b>100.00</b>	<b>-54,944</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-54,944</b>	<b>-92,890</b>	<b>100.00</b>					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	1.2	14.9	9.9	2,057	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,029		Main Htg	-92.9	2,057	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>1.2</b>	<b>14.9</b>									ExFlr	0		Reheat	-38.6	2,057	54.2	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-92.9</b>			

# Room Checksums

By Trial

2- 2W-I-CR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design					Cooling			Heating		
Outside Air: OADB/WB/HR: 84 / 72 / 99					OADB: 84					OADB: -1					SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Envelope Loads	Space Peak	Coil Peak	Percent Of Total										
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Space Sens	Tot Sens											
								Btu/h	Btu/h											
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>					
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00										
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00										
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00										
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00										
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00										
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00										
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00										
Floor	0	0	0	0	0	0	Floor	0	0	0.00										
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00										
Infiltration	2,531	0	2,531	34	790	19	Infiltration	-4,739	-4,739	10.20										
Sub Total ==>	2,531	0	2,531	34	790	19	Sub Total ==>	-4,739	-4,739	10.20										
<b>Internal Loads</b>					<b>Internal Loads</b>															
Lights	1,580	0	1,580	21	1,580	38	Lights	0	0	0.00										
People	1,618	0	1,618	22	899	22	People	0	0	0.00										
Misc	764	0	764	10	764	19	Misc	0	0	0.00										
Sub Total ==>	3,962	0	3,962	53	3,242	79	Sub Total ==>	0	0	0.00										
Ceiling Load	91	-91	0	0	91	2	Ceiling Load	-64	0	0.00										
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00										
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0										
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-22,669	-22,669	48.81										
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	26	-0.06										
Exhaust Heat	0	-37	-37	0	0	0	OA Preheat Diff.	0	0	0.00										
Sup. Fan Heat	0	0	975	13	0	0	RA Preheat Diff.	0	0	0.00										
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-18,524	39.88											
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-538	1.16											
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00										
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00										
Grand Total ==>	6,583	-128	7,431	100.00	4,123	100.00	Grand Total ==>	-27,472	-46,445	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.4	5.0	1,029	72.8	59.9	56.6	54.4	52.7	56.6	Floor	514	Main Htg	-46.4	1,029	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-19.3	1,029	54.2	71.0
											Roof	0	Humidif	0.0	0	0.0	0.0
Total	0.6	7.4									Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-46.4			

Project Name: WEX Building  
 Dataset Name: WEX\_007.trc

TRACE® 700 v6.3.3 calculated at 01:00 PM on 10/05/2017  
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## Room Checksums

By Trial

2- 2W-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design								
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1								
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Space Peak Btu/h	Coil Peak Btu/h	Percent (%)		Cooling	Heating			
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	SADB	55.0	95.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	Ra Plenum	72.6	70.6			
Roof Cond	0	0	0	0	0	0	0	0.00	Return	72.6	70.6			
Glass Solar	0	0	0	0	0	0	0	0.00	Ret/OA	72.6	70.6			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.1	0.0			
Wall Cond	0	0	0	0	0	0	0	0.00	Fn BldTD	0.2	0.0			
Partition/Door	0	0	0	0	0	0	0	0.00	Fn Frict	0.6	0.0			
Floor	0	0	0	0	0	0	0	0.00	<b>AIRFLOWS</b>					
Adjacent Floor	0	0	0	0	0	0	0	0.00		Cooling	Heating			
Infiltration	12,654		12,654	34	3,949	19	-23,695	10.20	Diffuser	5,143	5,143			
Sub Total ==>	12,654	0	12,654	34	3,949	19	-23,695	10.20	Terminal	5,143	5,143			
<b>Internal Loads</b>				<b>Internal Loads</b>							Main Fan	5,143	5,143	
Lights	7,899	0	7,899	21	7,899	38	0	0.00	Sec Fan	0	0			
People	8,092	0	8,092	22	4,496	22	0	0.00	Nom Vent	0	0			
Misc	3,818	0	3,818	10	3,818	19	0	0.00	AHU Vent	0	0			
Sub Total ==>	19,809	0	19,809	53	16,212	79	0	0.00	Infil	296	296			
Ceiling Load	455	-455	0	0	455	2	-319	0.00	MinStop/Rh	514	5,143			
Ventilation Load	0	0	0	0	0	0	0	0.00	Return	5,439	5,439			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	Exhaust	296	296			
Dehumid. Ov Sizing			0	0			-113,346	48.81	Rm Exh	0	0			
Ov/Undr Sizing	0		0	0	0	0	129	-0.06	Auxiliary	0	0			
Exhaust Heat		-184	-184	0			0	0.00	Leakage Dwn	0	0			
Sup. Fan Heat			4,876	13			0	0.00	Leakage Ups	0	0			
Ret. Fan Heat		0	0	0			-92,621	39.88	<b>ENGINEERING CKS</b>					
Duct Heat Pkup		0	0	0			-2,692	1.16		Cooling	Heating			
Underflr Sup Ht Pkup		0	0	0			0	0.00	% OA	0.0	0.0			
Supply Air Leakage		0	0	0			0	0.00	cfm/ft²	2.00	2.00			
Grand Total ==>	32,917	-638	37,155	100.00	20,616	100.00	-137,360	100.00	cfm/ton	1,661.03				
									ft²/ton	830.52				
									Btu/hr-ft²	14.45	-90.31			
									No. People	18.0	7.0/1000 ft²			

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity		Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F				
Main Clg	3.1	37.2	24.9	5,143	72.8	59.9	56.6	54.4	52.7	56.6	Floor	2,572		Main Htg	-232.2	5,143	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-96.5	5,143	54.2	71.0	
Total	3.1	37.2									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	Total	-232.2				

# Room Checksums

By Trial

2- 2W-I-SM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens								
<b>Envelope Loads</b>					<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0	0.00	SADB	55.0	95.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0	0.00	Ra Plenum	72.6	70.6			
Roof Cond	0	0	0	0	0	Roof Cond	0	0	0.00	Return	72.6	70.6			
Glass Solar	0	0	0	0	0	Glass Solar	0	0	0.00	Ret/OA	72.6	70.6			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0	0.00	Fn MtrTD	0.1	0.0			
Wall Cond	0	0	0	0	0	Wall Cond	0	0	0.00	Fn BldTD	0.2	0.0			
Partition/Door	0	0	0	0	0	Partition/Door	0	0	0.00	Fn Frict	0.6	0.0			
Floor	0	0	0	0	0	Floor	0	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0	0.00						
Infiltration	5,061		5,061	34	1,580	19	Infiltration	-9,478	10.20						
Sub Total ==>	5,061		5,061	34	1,580	19	Sub Total ==>	-9,478	10.20						
<b>Internal Loads</b>					<b>Internal Loads</b>										
Lights	3,160	0	3,160	21	3,160	38	Lights	0	0.00						
People	3,237	0	3,237	22	1,798	22	People	0	0.00						
Misc	1,527	0	1,527	10	1,527	19	Misc	0	0.00						
Sub Total ==>	7,924	0	7,924	53	6,485	79	Sub Total ==>	0	0.00						
Ceiling Load	182	-182	0	0	182	2	Ceiling Load	-128	0.00						
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-45,338	48.81						
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	52	-0.06						
Exhaust Heat		-73	-73	0			OA Preheat Diff.	0	0.00						
Sup. Fan Heat			1,951	13			RA Preheat Diff.	0	0.00						
Ret. Fan Heat		0	0	0			Additional Reheat	-37,049	39.88						
Duct Heat Pkup		0	0	0			System Plenum Heat	-1,077	1.16						
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	13,167	-255	14,862	100.00	8,246	100.00	<b>Grand Total ==&gt;</b>	-54,944	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	2,057	2,057
Terminal	2,057	2,057
Main Fan	2,057	2,057
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	118	118
MinStop/Rh	206	2,057
Return	2,175	2,175
Exhaust	118	118
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,661.03	
ft²/ton	830.52	
Btu/hr-ft²	14.45	-90.31
No. People	7.2	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.2	14.9	9.9	2,057	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	1.2	14.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,029		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-92.9	2,057	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-38.6	2,057	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	-92.9			

# Room Checksums

By Trial

2- 2W-P-N-CN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling		Heating					
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1										
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Btu/h	Coil Peak Btu/h	Percent (%)							
<b>Envelope Loads</b>					<b>Envelope Loads</b>												
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00							
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00							
Glass Solar	136	0	136	16	136	25	Glass Solar	0	0	0.00							
Glass/Door Cond	45	0	45	5	45	8	Glass/Door Cond	-281	-281	7.21							
Wall Cond	25	6	31	4	25	5	Wall Cond	-91	-114	2.91							
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00							
Floor	0	0	0	0	0	0	Floor	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00							
Infiltration	212	0	212	25	66	12	Infiltration	-398	-398	10.20							
Sub Total ==>	418	6	424	51	272	49	Sub Total ==>	-769	-792	20.32							
<b>Internal Loads</b>					<b>Internal Loads</b>												
Lights	133	0	133	16	133	24	Lights	0	0	0.00							
People	136	0	136	16	75	14	People	0	0	0.00							
Misc	64	0	64	8	64	12	Misc	0	0	0.00							
Sub Total ==>	332	0	332	40	272	49	Sub Total ==>	0	0	0.00							
Ceiling Load	8	-8	0	0	8	1	Ceiling Load	-5	0	0.00							
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0							
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-1,530	-1,530	39.27							
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		2	-0.06							
Exhaust Heat		-3	-3	0			OA Preheat Diff.		0	0.00							
Sup. Fan Heat			82	10			RA Preheat Diff.		0	0.00							
Ret. Fan Heat		0	0	0			Additional Reheat		-1,554	39.88							
Duct Heat Pkup		0	0	0			System Plenum Heat		-23	0.58							
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup		0	0.00							
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00							
<b>Grand Total ==&gt;</b>	<b>758</b>	<b>-5</b>	<b>835</b>	<b>100.00</b>	<b>552</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-2,305</b>	<b>-3,897</b>	<b>100.00</b>							

AIRFLOWS		
	Cooling	Heating
Diffuser	86	86
Terminal	86	86
Main Fan	86	86
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	5	5
MinStop/Rh	9	86
Return	91	91
Exhaust	5	5
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,240.08	
ft²/ton	620.04	
Btu/hr-ft²	19.35	-90.31
No. People	0.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	0.8	0.6	86	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.1</b>	<b>0.8</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	43		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	33	9	26
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent	
			°F	Lvg °F
Main Htg	-3.9	86	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-1.6	86	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-3.9</b>			

# Room Checksums

By Trial

2- 2W-P-N-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00				<b>AIRFLOWS</b>		
Glass Solar	272	0	272	16	272	Glass Solar	0	0.00				Diffuser	173	173
Glass/Door Cond	89	0	89	5	89	Glass/Door Cond	-562	7.21				Terminal	173	173
Wall Cond	50	12	62	4	50	Wall Cond	-182	2.91				Main Fan	173	173
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00				Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				AHU Vent	0	0
Infiltration	425	0	425	25	133	Infiltration	-795	10.20				Infil	10	10
<i>Sub Total ==&gt;</i>	<i>836</i>	<i>12</i>	<i>848</i>	<i>51</i>	<i>544</i>	<i>Sub Total ==&gt;</i>	<i>-1,539</i>	<i>20.32</i>				MinStop/Rh	17	173
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	183	183
Lights	265	0	265	16	265	Lights	0	0.00				Exhaust	10	10
People	272	0	272	16	151	People	0	0.00				Rm Exh	0	0
Misc	128	0	128	8	128	Misc	0	0.00				Auxiliary	0	0
<i>Sub Total ==&gt;</i>	<i>665</i>	<i>0</i>	<i>665</i>	<i>40</i>	<i>544</i>	<i>Sub Total ==&gt;</i>	<i>0</i>	<i>0.00</i>				Leakage Dwn	0	0
<b>Ceiling Load</b>	15	-15	0	0	15	<b>Ceiling Load</b>	-11	0.00				Leakage Ups	0	0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00				<b>ENGINEERING CKS</b>		
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0				% OA	0.0	0.0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-3,060	39.27				cfm/ft²	2.00	2.00
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	4	-0.06				cfm/ton	1,240.08	
<b>Exhaust Heat</b>	0	-6	0	0	0	<b>OA Preheat Diff.</b>	0	0.00				ft²/ton	620.04	
<b>Sup. Fan Heat</b>	0	0	164	10	0	<b>RA Preheat Diff.</b>	0	0.00				Btu/hr-ft²	19.35	-90.31
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-3,108	39.88				No. People	0.6	7.0/1000 ft²
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-45	0.58						
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00						
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00						
<b>Grand Total ==&gt;</b>	<b>1,516</b>	<b>-9</b>	<b>1,670</b>	<b>100.00</b>	<b>1,103</b>	<b>Grand Total ==&gt;</b>	<b>-4,610</b>	<b>-7,794</b>	<b>100.00</b>					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.1</b>	<b>1.7</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	86		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	66	17	26
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			°F	°F
Main Htg	-7.8	173	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-3.2	173	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-7.8</b>			

# Room Checksums

By Trial

2- 2W-P-N-OO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	72.6	70.6		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	72.6	70.6		
Envelope Loads													
Skylite Solar	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.1	0.0		
Skylite Cond	0	0	0	0	0	0	0	0.00	Fn BldTD	0.2	0.0		
Roof Cond	0	0	0	0	0	0	0	0.00	Fn Frict	0.6	0.0		
Glass Solar	2,042	0	2,042	16	2,042	25	0	0.00	AIRFLOWS				
Glass/Door Cond	668	0	668	5	668	8	-4,213	7.21	Diffuser	1,295	1,295		
Wall Cond	373	91	464	4	373	5	-1,363	2.91	Terminal	1,295	1,295		
Partition/Door	0	0	0	0	0	0	0	0.00	Main Fan	1,295	1,295		
Floor	0	0	0	0	0	0	0	0.00	Sec Fan	0	0		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Nom Vent	0	0		
Infiltration	3,185	0	3,185	25	994	12	-5,964	10.20	AHU Vent	0	0		
Sub Total ==>	6,269	91	6,360	51	4,078	49	-11,540	20.32	Infil	74	74		
Internal Loads													
Lights	1,988	0	1,988	16	1,988	24	0	0.00	MinStop/Rh	129	1,295		
People	2,037	0	2,037	16	1,132	14	0	0.00	Return	1,369	1,369		
Misc	961	0	961	8	961	12	0	0.00	Exhaust	74	74		
Sub Total ==>	4,986	0	4,986	40	4,081	49	0	0.00	Rm Exh	0	0		
Ceiling Load	114	-114	0	0	114	1	-80	0.00	Auxiliary	0	0		
Ventilation Load	0	0	0	0	0	0	0	0.00	Leakage Dwn	0	0		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Leakage Ups	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	-22,953	39.27	ENGINEERING CKS				
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.06	% OA	0.0	0.0		
Exhaust Heat	0	-46	-46	0	0	0	0	0.00	cfm/ft²	2.00	2.00		
Sup. Fan Heat	0	0	1,227	10	0	0	0	0.00	cfm/ton	1,240.08			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	ft²/ton	620.04			
Duct Heat Pkup	0	0	0	0	0	0	0	0.58	Btu/hr-ft²	19.35	-90.31		
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	No. People	4.5	7.0/1000 ft²		
Supply Air Leakage	0	0	0	0	0	0	0	0.00					
Grand Total ==>	11,369	-70	12,527	100.00	8,273	100.00	-34,574	-58,451					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F
Main Clg	1.0	12.5	9.4	1,295	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	12.5								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	647		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	496	130	26
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
				MBh
Main Htg	-58.5	1,295	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-24.3	1,295	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-58.5			

# Room Checksums

By Trial

## 2- 2W-P-N-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design												
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1					Cooling	Heating						
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Ra Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>						
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	173	173				
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	173	173				
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	173	173				
Glass Solar	272	0	272	16	272	25	0	0.00	0	0	0.00	Sec Fan	0	0				
Glass/Door Cond	89	0	89	5	89	8	-562	7.21	-562	-562	10.20	Nom Vent	0	0				
Wall Cond	50	12	62	4	50	5	-182	2.91	-227	-227	10.20	AHU Vent	0	0				
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	10	10				
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	17	173				
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	183	183				
Infiltration	425		425	25	133	12	-795	10.20	-795	-795	10.20	Exhaust	10	10				
<i>Sub Total ==&gt;</i>	<b>836</b>	<b>12</b>	<b>848</b>	<b>51</b>	<b>544</b>	<b>49</b>	<b>-1,539</b>	<b>20.32</b>	<b>-1,539</b>	<b>-1,584</b>	<b>20.32</b>	Rm Exh	0	0				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>						
Lights	265	0	265	16	265	24	0	0.00	0	0	0.00	% OA	0.0	0.0				
People	272	0	272	16	151	14	0	0.00	0	0	0.00	cfm/ft <sup>2</sup>	2.00	2.00				
Misc	128	0	128	8	128	12	0	0.00	0	0	0.00	cfm/ton	1,240.08					
<i>Sub Total ==&gt;</i>	<b>665</b>	<b>0</b>	<b>665</b>	<b>40</b>	<b>544</b>	<b>49</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	ft <sup>2</sup> /ton	620.04					
<b>Ceiling Load</b>	<b>15</b>	<b>-15</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>1</b>	<b>-11</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Btu/hr-ft <sup>2</sup>	19.35	-90.31				
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	No. People	0.6	7.0/1000 ft <sup>2</sup>				
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>							
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-3,060</b>	<b>39.27</b>	<b>-3,060</b>	<b>-3,060</b>	<b>39.27</b>							
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>-0.06</b>	<b>4</b>	<b>-0.06</b>	<b>0.00</b>							
<b>Exhaust Heat</b>	<b>0</b>	<b>-6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>							
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>164</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>							
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-3,108</b>	<b>39.88</b>	<b>-3,108</b>	<b>39.88</b>	<b>0.58</b>							
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-45</b>	<b>0.58</b>	<b>-45</b>	<b>0.58</b>	<b>0.00</b>							
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>							
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>							
<b>Grand Total ==&gt;</b>	<b>1,516</b>	<b>-9</b>	<b>1,670</b>	<b>100.00</b>	<b>1,103</b>	<b>100.00</b>	<b>-4,610</b>	<b>100.00</b>	<b>-7,794</b>	<b>-7,794</b>	<b>100.00</b>							

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION							
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft <sup>2</sup> (%)	MBh	cfm	°F	°F	
Main Clg	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6	Floor	86			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			
<b>Total</b>	<b>0.1</b>	<b>1.7</b>									ExFlr	0			
											Roof	0	0	0	
											Wall	66	17	26	
											Ext Door	0	0	0	
											<b>Total</b>	<b>-7.8</b>			



# Room Checksums

By Trial

2- 2W-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	1,142	0	1,142	64	1,225	78	0	0.00	0	0	0.00	Diffuser	83	82
Glass/Door Cond	67	0	67	4	55	3	-538	14.48	-538	-538	14.48	Terminal	83	82
Wall Cond	70	20	91	5	73	5	-116	4.02	-116	-149	4.02	Main Fan	83	82
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	166	0	166	9	33	2	-379	10.20	-379	-379	10.20	Infil	5	5
Sub Total ==>	1,446	20	1,466	82	1,385	88	-1,033	28.70	-1,033	-1,067	28.70	MinStop/Rh	8	82
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	88	87
Lights	84	0	84	5	84	5	0	0.00	0	0	0.00	Exhaust	5	5
People	62	0	62	3	45	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	60	0	60	3	60	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	206	0	206	12	189	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-5	0	0	5	0	-5	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00
Ov/Undr Sizing	40	0	40	2	0	0	-1,160	31.21	-1,160	-1,160	31.21	cfm/ton	559.98	
Exhaust Heat	0	-2	0	0	0	0	0	-0.06	0	0	-0.06	ft²/ton	276.11	
Sup. Fan Heat	0	78	0	0	78	4	0	0.00	0	0	0.00	Btu/hr-ft²	43.46	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>1,697</b>	<b>13</b>	<b>1,788</b>	<b>100.00</b>	<b>1,579</b>	<b>100.00</b>	<b>-2,198</b>	<b>100.00</b>	<b>-2,198</b>	<b>-3,716</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.2	1.8	1.7	82	72.7	59.9	56.6	54.4	52.1	54.5	Floor	41					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
<b>Total</b>	<b>0.2</b>	<b>1.8</b>									Roof	0	0	0			
											Wall	49	17	34			
											Ext Door	0	0	0			
											<b>Total</b>	<b>-3.7</b>					

# Room Checksums

By Trial

2- 2W-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00	Diffuser	167	165
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	-1,078	14.50	Terminal	167	165
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	-299	4.03	Main Fan	167	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	332	0	332	9	65	2	-758	10.20	-758	-758	10.20	Infil	9	9
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	-2,135	28.73	MinStop/Rh	16	165
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	177	174
Lights	169	0	169	5	169	5	0	0.00	0	0	0.00	Exhaust	9	9
People	125	0	125	3	90	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	119	0	119	3	119	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00
Ov/Undr Sizing	77	0	77	2	0	0	-2,318	31.18	-2,318	-2,318	31.18	cfm/ton	560.63	
Exhaust Heat	0	-4	-4	0	0	0	0	-0.06	4	4	-0.06	ft²/ton	276.11	
Sup. Fan Heat	0	0	156	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.46	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,395</b>	<b>26</b>	<b>3,577</b>	<b>100.00</b>	<b>3,161</b>	<b>100.00</b>	<b>-4,396</b>	<b>100.00</b>	<b>-7,432</b>	<b>-7,432</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82		-7.4	165	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.1	165	54.2	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	98	33	34	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
														<b>Total</b>	<b>-7.4</b>			

# Room Checksums

By Trial

2- 2W-P-NW-OO

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 18			Mo/Hr: 6 / 18			Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 80 / 70 / 94			OADB: 78			OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
<b>Envelope Loads</b>					<b>Envelope Loads</b>											
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	72.4	72.4	0.1	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	72.4	72.4	0.2	0.0	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0.1	0.1	0.0	0.0	0.0
Glass Solar	17,150	0	17,150	64	18,388	78	0	0.00	0	0	0.00	0.2	0.2	0.0	0.0	0.0
Glass/Door Cond	1,000	0	1,000	4	819	3	-8,077	14.49	-8,077	-8,077	14.49	0.6	0.6	0.0	0.0	0.0
Wall Cond	1,058	303	1,361	5	1,091	5	-1,743	4.03	-1,743	-2,244	4.03					
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00					
Infiltration	2,492	0	2,492	9	489	2	-5,688	10.20	-5,688	-5,688	10.20					
<i>Sub Total ==&gt;</i>	21,701	303	22,004	82	20,786	88	-15,507	28.72	-15,507	-16,008	28.72					
<b>Internal Loads</b>					<b>Internal Loads</b>											
Lights	1,264	0	1,264	5	1,264	5	0	0.00	0	0	0.00					
People	935	0	935	3	676	3	0	0.00	0	0	0.00					
Misc	895	0	895	3	895	4	0	0.00	0	0	0.00					
<i>Sub Total ==&gt;</i>	3,095	0	3,095	12	2,836	12	0	0.00	0	0	0.00					
<b>Ceiling Load</b>	76	-76	0	0	76	0	-77	0.00	-77	0	0.00					
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00					
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00					
<b>Dehumid. Ov Sizing</b>			0	0			-17,388	31.19	-17,388	-17,388	31.19					
<b>Ov/Undr Sizing</b>	588		588	2	0	0	31	-0.06	31	31	-0.06					
<b>Exhaust Heat</b>		-31	-31	0			0	0.00	0	0	0.00					
<b>Sup. Fan Heat</b>			1,171	4			0	0.00	0	0	0.00					
<b>Ret. Fan Heat</b>		0	0	0				0.00			0.00					
<b>Duct Heat Pkup</b>		0	0	0				0.00			0.00					
<b>Underflr Sup Ht Pkup</b>		0	0	0				0.00			0.00					
<b>Supply Air Leakage</b>		0	0	0				0.00			0.00					
<b>Grand Total ==&gt;</b>	25,459	197	26,826	100.00	23,697	100.00	-32,971	100.00	-32,971	-55,742	100.00					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,253	1,235
<b>Terminal</b>	1,253	1,235
<b>Main Fan</b>	1,253	1,235
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	71	71
<b>MinStop/Rh</b>	123	1,235
<b>Return</b>	1,324	1,305
<b>Exhaust</b>	71	71
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.03	2.00
<b>cfm/ton</b>	560.33	
<b>ft²/ton</b>	276.11	
<b>Btu/hr-ft²</b>	43.46	-90.31
<b>No. People</b>	4.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	2.2	26.8	24.7	1,235	72.7	59.9	56.6	54.4	52.1	54.5
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	2.2	26.8								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	617		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	732	249	34
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-55.7	1,235	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-23.2	1,235	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-55.7			

# Room Checksums

By Trial

2- 2W-P-NW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00	Diffuser	167	165
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	-1,078	14.50	Terminal	167	165
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	-299	4.03	Main Fan	167	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	332	0	332	9	65	2	-758	10.20	-758	-758	10.20	Infil	9	9
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	-2,135	28.73	MinStop/Rh	16	165
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	177	174
Lights	169	0	169	5	169	5	0	0.00	0	0	0.00	Exhaust	9	9
People	125	0	125	3	90	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	119	0	119	3	119	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	cfm/ft²	2.03	2.00
Ov/Undr Sizing	77		77	2	0	0	-2,318	31.18	-2,318	-2,318	31.18	cfm/ton	560.63	
Exhaust Heat		-4	-4	0			0	-0.06	4	4	-0.06	ft²/ton	276.11	
Sup. Fan Heat			156	4			0	0.00	0	0	0.00	Btu/hr-ft²	43.46	-90.31
Ret. Fan Heat			0	0			0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup			0	0			0	0.00	0	0	0.00			
Underflr Sup Ht Pkup			0	0			0	0.00	0	0	0.00			
Supply Air Leakage			0	0			0	0.00	0	0	0.00			
Grand Total ==>	3,395	26	3,577	100.00	3,161	100.00	-4,396	100.00	-7,432	-7,432	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82		-7.4	165	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.1	165	54.2	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	98	33	34	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
											<b>Total</b>			<b>-7.4</b>				

# Room Checksums

By Trial

2- 2W-P-S-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.2	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	2,659	0	2,659	69	2,659	93	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-93	0	-93	-2	-93	-3	-776	19.36	-776	-776	19.36	Diffuser	150	89
Wall Cond	44	20	64	2	44	2	-72	2.59	-72	-104	2.59	Terminal	150	89
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	150	89
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-109	0	-109	-3	-47	-2	-409	10.20	-409	-409	10.20	AHU Vent	0	0
Sub Total ==>	2,501	20	2,521	66	2,564	90	-1,256	32.16	-1,256	-1,288	32.16	Infil	5	5
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	9	89
Lights	136	0	136	4	136	5	0	0.00	0	0	0.00	Return	155	94
People	140	0	140	4	78	3	0	0.00	0	0	0.00	Exhaust	5	5
Misc	64	0	64	2	64	2	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	340	0	340	9	278	10	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-3	0	0	3	0	-6	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,107	27.64	-1,107	-1,107	27.64	% OA	0.0	0.0
Ov/Undr Sizing	833	0	833	22	0	0	0	-0.06	0	0	-0.06	cfm/ft²	3.39	2.00
Exhaust Heat	0	-1	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	470.41	
Sup. Fan Heat	0	0	143	4	0	0	0	0.00	0	0	0.00	ft²/ton	138.77	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-1,597	-1,597	39.88	Btu/hr-ft²	86.47	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,677</b>	<b>16</b>	<b>3,835</b>	<b>100.00</b>	<b>2,844</b>	<b>100.00</b>	<b>-2,369</b>	<b>100.00</b>	<b>-2,369</b>	<b>-4,005</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.8	3.8	150	72.5	59.8	56.6	54.4	50.6	48.9	Floor	44		-4.0	89	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0
											ExFlr	0		-1.7	89	54.2	71.0
<b>Total</b>	<b>0.3</b>	<b>3.8</b>									Roof	0	0	0.0	0	0.0	0.0
											Wall	46	24	52	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
											<b>Total</b>			<b>-4.0</b>			

# Room Checksums

By Trial

2- 2W-P-S-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h				
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Glass Solar	5,318	0	5,318	69	5,318	93	0	0.00	0	0	0.00	0	0	
Glass/Door Cond	-187	0	-187	-2	-187	-3	-1,551	19.36	-1,551	-208	2.59	0.1	0.0	
Wall Cond	89	39	128	2	89	2	-144	2.59	-208	0	0.00	0.2	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	0.6	0.0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	-218		-218	-3	-93	-2	-817	10.20	-817					
<i>Sub Total ==&gt;</i>	5,003	39	5,042	66	5,127	90	-2,513	32.16	-2,576					
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	272	0	272	4	272	5	0	0.00	0	0	0.00			
People	279	0	279	4	155	3	0	0.00	0	0	0.00			
Misc	128	0	128	2	128	2	0	0.00	0	0	0.00			
<i>Sub Total ==&gt;</i>	679	0	679	9	555	10	0	0.00	0	0	0.00			
<b>Ceiling Load</b>	6	-6	0	0	6	0	-11	0.00	0	0	0.00			
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Adj Air Trans Heat</b>	0		0	0	0	0	0	0	0	0	0			
<b>Dehumid. Ov Sizing</b>			0	0			-2,214	27.64	-2,214	4	-0.06			
<b>Ov/Undr Sizing</b>	1,666		1,666	22	0	0	0	0.00	0	0	0.00			
<b>Exhaust Heat</b>		-2	-2	0			0	0.00	0	0	0.00			
<b>Sup. Fan Heat</b>			285	4			0	0.00	0	0	0.00			
<b>Ret. Fan Heat</b>		0	0	0			-3,195	39.88	-29	0.37				
<b>Duct Heat Pkup</b>		0	0	0			0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>		0	0	0			0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	7,353	31	7,670	100.00	5,688	100.00	-4,738	100.00	-8,010					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	301	177
<b>Terminal</b>	301	177
<b>Main Fan</b>	301	177
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	10	10
<b>MinStop/Rh</b>	18	177
<b>Return</b>	311	188
<b>Exhaust</b>	10	10
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	3.39	2.00
<b>cfm/ton</b>	470.41	
<b>ft²/ton</b>	138.77	
<b>Btu/hr-ft²</b>	86.47	-90.31
<b>No. People</b>	0.6	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	89		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	92	48	52
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-8.0	177	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-3.3	177	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-8.0			

# Room Checksums

By Trial

2- 2W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.2	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	39,885	0	39,885	69	39,885	93	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-1,399	0	-1,399	-2	-1,399	-3	-11,633	19.36	-11,633	-11,633	19.36	Diffuser	2,255	1,331
Wall Cond	667	293	960	2	667	2	-1,083	2.59	-1,083	-1,558	2.59	Terminal	2,255	1,331
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,255	1,331
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-1,633	0	-1,633	-3	-699	-2	-6,130	10.20	-6,130	-6,130	10.20	AHU Vent	0	0
Sub Total ==>	37,520	293	37,813	66	38,454	90	-18,846	32.16	-18,846	-19,321	32.16	Infil	77	77
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	133	1,331
Lights	2,043	0	2,043	4	2,043	5	0	0.00	0	0	0.00	Return	2,332	1,407
People	2,093	0	2,093	4	1,163	3	0	0.00	0	0	0.00	Exhaust	77	77
Misc	959	0	959	2	959	2	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,096	0	5,096	9	4,166	10	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Lights	42	-42	0	0	42	0	-83	0.00	-83	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	3.39	2.00
Ov/Undr Sizing	12,492	0	12,492	22	0	0	-16,607	27.64	-16,607	-16,607	27.64	cfm/ton	470.41	
Exhaust Heat	0	-17	-17	0	0	0	33	-0.06	33	-0.06	-0.06	ft²/ton	138.77	
Sup. Fan Heat	0	2,138	2,138	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	86.47	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.7	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>55,151</b>	<b>233</b>	<b>57,522</b>	<b>100.00</b>	<b>42,662</b>	<b>100.00</b>	<b>-35,535</b>	<b>100.00</b>	<b>-35,535</b>	<b>-60,077</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	4.8	57.5	57.5	2,255	72.5	59.8	56.6	54.4	50.6	48.9	Floor	665		Main Htg	-60.1	1,331	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>4.8</b>	<b>57.5</b>									ExFlr	0		Reheat	-25.0	1,331	54.2	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	694	358	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-60.1</b>			

# Room Checksums

By Trial

2- 2W-P-S-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Glass Solar	5,318	0	5,318	69	5,318	93	0	0.00	0	0	0	0	0	
Glass/Door Cond	-187	0	-187	-2	-187	-3	-1,551	19.36	-1,551	-1,551	19.36	0.1	0.0	
Wall Cond	89	39	128	2	89	2	-144	2.59	-208	-208	2.59	0.2	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0.6	0.0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0			
Infiltration	-218	0	-218	-3	-93	-2	-817	10.20	-817	-817	10.20			
<i>Sub Total ==&gt;</i>	5,003	39	5,042	66	5,127	90	-2,513	32.16	-2,576	-2,576	32.16			
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	272	0	272	4	272	5	0	0.00	0	0	0			
People	279	0	279	4	155	3	0	0.00	0	0	0			
Misc	128	0	128	2	128	2	0	0.00	0	0	0			
<i>Sub Total ==&gt;</i>	679	0	679	9	555	10	0	0.00	0	0	0			
<b>Ceiling Load</b>	6	-6	0	0	6	0	-11	0.00	0	0	0			
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0			
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	0			
<b>Dehumid. Ov Sizing</b>			0	0			-2,214	27.64	-2,214	-2,214	27.64			
<b>Ov/Undr Sizing</b>	1,666		1,666	22	0	0	4	-0.06	4	4	-0.06			
<b>Exhaust Heat</b>		-2	-2	0			0	0.00	0	0	0.00			
<b>Sup. Fan Heat</b>			285	4			0	0.00	0	0	0.00			
<b>Ret. Fan Heat</b>		0	0	0			-3,195	39.88	-3,195	-3,195	39.88			
<b>Duct Heat Pkup</b>		0	0	0			-29	0.37	-29	-29	0.37			
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>		0	0	0			0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	7,353	31	7,670	100.00	5,688	100.00	-4,738	100.00	-8,010	-8,010	100.00			

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	301	177
<b>Terminal</b>	301	177
<b>Main Fan</b>	301	177
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	10	10
<b>MinStop/Rh</b>	18	177
<b>Return</b>	311	188
<b>Exhaust</b>	10	10
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	3.39	2.00
<b>cfm/ton</b>	470.41	
<b>ft²/ton</b>	138.77	
<b>Btu/hr-ft²</b>	86.47	-90.31
<b>No. People</b>	0.6	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.7								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	89		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	92	48	52
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-8.0	177	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-3.3	177	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-8.0			



# Room Checksums

By Trial

2- 2W-P-SW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,015	0	4,015	76	4,015	83	0	0.00	0	0	0.00	Diffuser	257	187
Glass/Door Cond	56	0	56	1	56	1	-1,208	14.35	-1,208	-1,208	14.35	Terminal	257	187
Wall Cond	142	46	188	4	142	3	-197	3.09	-261	-261	3.09	Main Fan	257	187
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	50	0	50	1	44	1	-859	10.20	-859	-859	10.20	Infil	11	11
Sub Total ==>	4,263	46	4,309	82	4,257	88	-2,264	27.64	-2,328	-2,328	27.64	MinStop/Rh	19	187
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	267	197
Lights	286	0	286	5	286	6	0	0.00	0	0	0.00	Exhaust	11	11
People	293	0	293	6	163	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	138	0	138	3	138	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	718	0	718	14	588	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-11	0	0	11	0	-12	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,705	32.13	-2,705	-2,705	32.13	cfm/ft²	2.75	2.00
Ov/Undr Sizing	0	0	0	0	0	0	5	-0.06	5	5	-0.06	cfm/ton	584.94	
Exhaust Heat	0	-5	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	212.49	
Sup. Fan Heat	0	0	243	5	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.47	-90.31
Ret. Fan Heat	0	0	0	0	0	0	-3,359	39.88	-3,359	-3,359	39.88	No. People	0.7	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	-34	0.40	-34	-34	0.40			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	4,992	30	5,266	100.00	4,856	100.00	-4,981	100.00	-8,421	-8,421	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.4	5.3	5.1	257	72.7	59.9	56.6	54.4	52.6	56.2	Floor	93		-8.4	187	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.5	187	54.2	71.0	
<b>Total</b>	<b>0.4</b>	<b>5.3</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	93	37	40	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
											<b>Total</b>			<b>-8.4</b>				

# Room Checksums

By Trial

2- 2W-P-SW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	8,029	0	8,029	76	8,029	83	0	0.00						
Glass/Door Cond	113	0	113	1	113	1	-2,416	14.35						
Wall Cond	284	92	376	4	284	3	-393	3.09						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	100	0	100	1	88	1	-1,718	10.20						
<i>Sub Total ==&gt;</i>	8,526	92	8,618	82	8,514	88	-4,528	27.64						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	573	0	573	5	573	6	0	0.00						
People	587	0	587	6	326	3	0	0.00						
Misc	277	0	277	3	277	3	0	0.00						
<i>Sub Total ==&gt;</i>	1,437	0	1,437	14	1,176	12	0	0.00						
<b>Ceiling Load</b>	22	-22	0	0	22	0	-23	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-5,411	32.13						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	9	-0.06						
<b>Exhaust Heat</b>		-9	0	0			0	0.00						
<b>Sup. Fan Heat</b>			487	5			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-6,717	39.88						
<b>Duct Heat Pkup</b>		0	0	0			-67	0.40						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	9,985	61	10,532	100.00	9,712	100.00	-9,962	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	513	373
<b>Terminal</b>	513	373
<b>Main Fan</b>	513	373
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	21	21
<b>MinStop/Rh</b>	37	373
<b>Return</b>	535	394
<b>Exhaust</b>	21	21
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.75	2.00
<b>cfm/ton</b>	584.94	
<b>ft²/ton</b>	212.49	
<b>Btu/hr-ft²</b>	56.47	-90.31
<b>No. People</b>	1.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.9	10.5	10.3	513	72.7	59.9	56.6	54.4	52.6	56.2
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.9	10.5								

AREAS			
	Gross Total	Glass ft²	(%)
<b>Floor</b>	187		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	187	74	40
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
<b>Main Htg</b>	-16.8	373	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-7.0	373	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-16.8			

# Room Checksums

By Trial

2- 2W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	60,226	0	60,226	76	60,226	83	0	0.00	0	0	0.00	Diffuser	3,851	2,798
Glass/Door Cond	845	0	845	1	845	1	-18,124	14.35	-18,124	-18,124	14.35	Terminal	3,851	2,798
Wall Cond	2,131	691	2,822	4	2,131	3	-2,951	3.10	-3,910	-3,910	3.10	Main Fan	3,851	2,798
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	746	0	746	1	661	1	-12,889	10.20	-12,889	-12,889	10.20	Infil	161	161
Sub Total ==>	63,947	691	64,639	82	63,862	88	-33,963	27.65	-34,922	-34,922	27.65	MinStop/Rh	280	2,798
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	4,012	2,958
Lights	4,297	0	4,297	5	4,297	6	0	0.00	0	0	0.00	Exhaust	161	161
People	4,402	0	4,402	6	2,445	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	2,077	0	2,077	3	2,077	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	10,775	0	10,775	14	8,819	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-168	0	0	168	0	-174	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.75	2.00
Ov/Undr Sizing	0	0	0	0	0	0	-40,579	32.13	-40,579	-40,579	32.13	cfm/ton	584.94	
Exhaust Heat	-68	-68	0	0	0	0	70	-0.06	70	70	-0.06	ft²/ton	212.48	
Sup. Fan Heat	0	3,651	5	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.48	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.8	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>74,890</b>	<b>455</b>	<b>78,997</b>	<b>100.00</b>	<b>72,848</b>	<b>100.00</b>	<b>-74,716</b>	<b>100.00</b>	<b>-126,317</b>	<b>-126,317</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	6.6	79.0	77.0	3,851	72.7	59.9	56.6	54.4	52.6	56.2	Floor	1,399	Main Htg	-126.3	2,798	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-52.5	2,798	54.2	71.0
<b>Total</b>	<b>6.6</b>	<b>79.0</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	1,399	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-126.3</b>			

# Room Checksums

By Trial

## 2- 2W-P-SW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	8,029	0	8,029	76	8,029	83	0	0.00	0	0	0.00	Diffuser	513	373
Glass/Door Cond	113	0	113	1	113	1	-2,416	14.35	-2,416	-2,416	14.35	Terminal	513	373
Wall Cond	284	92	376	4	284	3	-393	3.09	-521	-521	3.09	Main Fan	513	373
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	100	0	100	1	88	1	-1,718	10.20	-1,718	-1,718	10.20	Infil	21	21
Sub Total ==>	8,526	92	8,618	82	8,514	88	-4,528	27.64	-4,656	-4,656	27.64	MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	535	394
Lights	573	0	573	5	573	6	0	0.00	0	0	0.00	Exhaust	21	21
People	587	0	587	6	326	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,437	0	1,437	14	1,176	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0
Ceiling Load	22	-22	0	0	22	0	-23	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.75	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-5,411	32.13	-5,411	-5,411	32.13	cfm/ton	584.94	
Ov/Undr Sizing	0	0	0	0	0	0	9	-0.06	9	9	-0.06	ft²/ton	212.49	
Exhaust Heat	0	-9	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.47	-90.31
Sup. Fan Heat	0	0	487	5	0	0	0	0.00	0	0	0.00	No. People	1.3	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	-6,717	39.88	-6,717	-6,717	39.88			
Duct Heat Pkup	0	0	0	0	0	0	-67	0.40	-67	-67	0.40			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	9,985	61	10,532	100.00	9,712	100.00	-9,962	100.00	-16,842	-16,842	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.9	10.5	10.3	513	72.7	59.9	56.6	54.4	52.6	56.2	Floor	187		Main Htg	-16.8	373	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-7.0	373	54.2	71.0	
<b>Total</b>	<b>0.9</b>	<b>10.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	187	74	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-16.8</b>			

# Room Checksums

By Trial

## 3- 3E-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	6,381	15	0	0	0	-8,758	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5,138	5,138
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5,138	5,138
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	5,138	5,138
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	12,640	12,640	29	3,945	19	-23,670	-23,670	10.20	0	0	0.00	Infil	295	295
Sub Total ==>	12,640	19,022	44	3,945	19	-23,670	-32,428	13.98	0	0	0.00	MinStop/Rh	514	5,138
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	5,433	5,433
Lights	7,891	7,891	18	7,891	38	0	0	0.00	0	0	0.00	Exhaust	295	295
People	8,084	8,084	19	4,491	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	3,814	3,814	9	3,814	19	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	19,788	19,788	45	16,195	79	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	454	0	0	454	2	-319	0	0.00	0	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	-113,227	-113,227	48.81	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	129	-0.06	0	0	0.00	cfm/ton	1,417.35	
Exhaust Heat	-183	-183	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	708.68	
Sup. Fan Heat	0	4,871	11	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	16.93	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	18.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>32,883</b>	<b>5,744</b>	<b>43,497</b>	<b>100.00</b>	<b>20,594</b>	<b>100.00</b>	<b>-137,216</b>	<b>-231,981</b>	<b>100.00</b>					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	3.6	43.5	31.2	5,138	72.8	59.9	56.6	54.4	52.7	56.6	Floor	2,569		Main Htg	-232.0	5,138	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-96.4	5,138	54.2	71.0	
<b>Total</b>	<b>3.6</b>	<b>43.5</b>									Roof	2,569	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-232.0</b>			

# Room Checksums

By Trial

## 3- 3E-I-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	3,191	15	0	0	0	-4,379	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	6,320	6,320	29	1,972	19	-11,835	-11,835	10.20	0	0	0.00	Infil	148	148
Sub Total ==>	6,320	9,511	44	1,972	19	-11,835	-16,214	13.98	0	0	0.00	MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,717	2,717
Lights	3,945	3,945	18	3,945	38	0	0	0.00	0	0	0.00	Exhaust	148	148
People	4,042	4,042	19	2,245	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,907	1,907	9	1,907	19	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	9,894	9,894	45	8,098	79	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-160	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-56,613	-56,613	48.81	0	0	0.00	cfm/ton	1,417.35	
Exhaust Heat	0	-92	0	0	0	0	64	-0.06	0	0	0.00	ft²/ton	708.68	
Sup. Fan Heat	0	2,436	11	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	16.93	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>16,441</b>	<b>21,749</b>	<b>100.00</b>	<b>10,297</b>	<b>100.00</b>	<b>-68,608</b>	<b>-115,990</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	1.8	21.8	15.6	2,569	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,284				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				
											ExFlr	0				
<b>Total</b>	<b>1.8</b>	<b>21.8</b>									Roof	1,284	0	0		
											Wall	0	0	0		
											Ext Door	0	0	0		

# Room Checksums

By Trial

3- 3E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.2	0.0
Roof Cond	0	15,953	15,953	15	0	Roof Cond	0	3.78				Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00				Diffuser	12,844	12,844
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00				Terminal	12,844	12,844
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Main Fan	12,844	12,844
Floor	0	0	0	0	0	Floor	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Nom Vent	0	0
Infiltration	31,601	31,601	29	9,862	19	Infiltration	-59,174	10.20				AHU Vent	0	0
Sub Total ==>	31,601	47,554	44	9,862	19	Sub Total ==>	-59,174	13.98				Infil	739	739
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	1,284	12,844
Lights	19,726	19,726	18	19,726	38	Lights	0	0.00				Return	13,583	13,583
People	20,209	20,209	19	11,227	22	People	0	0.00				Exhaust	739	739
Misc	9,534	9,534	9	9,534	19	Misc	0	0.00				Rm Exh	0	0
Sub Total ==>	49,470	49,470	45	40,488	79	Sub Total ==>	0	0.00				Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	1,135	-1,135	0	1,135	2	Ventilation Load	-798	0.00				Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00				<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-283,067	48.81				% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	322	-0.06				cfm/ft²	2.00	2.00
Exhaust Heat	-459	-459	0	0	0	OA Preheat Diff.	0	0.00				cfm/ton	1,417.35	
Sup. Fan Heat	12,178	12,178	11	0	0	RA Preheat Diff.	0	0.00				ft²/ton	708.68	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-231,310	39.88				Btu/hr-ft²	16.93	-90.31
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	15,172	-2.62				No. People	44.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	<b>82,206</b>	<b>14,359</b>	<b>108,743</b>	<b>100.00</b>	<b>51,486</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-343,039</b>	<b>-579,952</b>	<b>100.00</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	9.1	108.7	78.0	12,844	72.8	59.9	56.6	54.4	52.7	56.6	Floor	6,422		Main Htg	-580.0	12,844	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>9.1</b>	<b>108.7</b>									ExFlr	0		Reheat	-240.9	12,844	54.2	71.0
											Roof	6,422	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-580.0</b>			

# Room Checksums

By Trial

## 3- 3E-I-SM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	6,381	15	0	0	0	-8,758	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5,138	5,138
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5,138	5,138
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	5,138	5,138
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	12,640	12,640	29	3,945	19	-23,670	-23,670	10.20	-23,670	-23,670	10.20	Infil	295	295
Sub Total ==>	12,640	19,022	44	3,945	19	-23,670	-32,428	13.98	-23,670	-32,428	13.98	MinStop/Rh	514	5,138
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	5,433	5,433
Lights	7,891	7,891	18	7,891	38	0	0	0.00	0	0	0.00	Exhaust	295	295
People	8,084	8,084	19	4,491	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	3,814	3,814	9	3,814	19	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	19,788	19,788	45	16,195	79	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	454	0	0	454	2	-319	0	0.00	-319	0	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,417.35	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	-113,227	-113,227	48.81	-113,227	-113,227	48.81	ft²/ton	708.68	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	Exhaust Heat	129	-0.06	Exhaust Heat	129	-0.06	Btu/hr-ft²	16.93	-90.31
<b>Exhaust Heat</b>	-183	-183	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	No. People	18.0	7.0/1000 ft²
<b>Sup. Fan Heat</b>	4,871	4,871	11	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	Additional Reheat	-92,524	39.88	Additional Reheat	-92,524	39.88			
<b>Duct Heat Pkup</b>	0	0	0	0	0	System Plenum Heat	6,069	-2.62	System Plenum Heat	6,069	-2.62			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	32,883	43,497	100.00	20,594	100.00	<b>Grand Total ==&gt;</b>	-137,216	100.00	<b>Grand Total ==&gt;</b>	-231,981	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
<b>Main Clg</b>	3.6	43.5	31.2	5,138	72.8	59.9	56.6	54.4	52.7	56.6	Floor	2,569		Main Htg	-232.0	5,138	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	3.6	43.5									ExFlr	0		Reheat	-96.4	5,138	54.2	71.0
											Roof	2,569	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-232.0			



# Room Checksums

By Trial

## 3- 3E-P-NE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	22	1	0	0	0	-196	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,188	0	58	2,306	100	0	0	0.00	0	0	0.00	Diffuser	121	115
Glass/Door Cond	-51	0	-1	-123	-5	-974	-974	18.76	-974	-974	18.76	Terminal	121	115
Wall Cond	31	12	1	29	1	-106	-149	2.86	0	0	0.00	Main Fan	121	115
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	72	72	2	-65	-3	-529	-529	10.20	0	0	0.00	Infil	7	7
Sub Total ==>	2,240	35	60	2,147	94	-1,609	-1,847	35.61	0	0	0.00	MinStop/Rh	11	115
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	128	122
Lights	71	0	2	71	3	0	0	0.00	0	0	0.00	Exhaust	7	7
People	44	0	1	20	1	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	56	0	1	56	2	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	171	0	5	147	6	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-7	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	-1,453	-1,453	28.00	0	0	0.00	cfm/ft²	2.11	2.00
Ov/Undr Sizing	1,210	1,210	32	0	0	0	3	-0.06	0	0	0.00	cfm/ton	386.11	
Exhaust Heat	0	-1	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	182.88	
Sup. Fan Heat	0	115	3	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	65.62	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.4	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,623</b>	<b>32</b>	<b>100.00</b>	<b>2,295</b>	<b>100.00</b>	<b>-3,069</b>	<b>-5,188</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.8	3.7	121	72.4	59.8	56.6	54.4	48.4	40.8	Floor	57	-5.2	115	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	0.0	0	0.0	0.0	
<b>Total</b>	<b>0.3</b>	<b>3.8</b>									Roof	57	0.0	115	54.2	71.0	
											Wall	62	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
													0.0	0	0.0	0.0	
													<b>Total</b>	<b>-5.2</b>			

# Room Checksums

By Trial

## 3- 3E-P-NE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	0	45	1	0	0	Roof Cond	-392	3.78						
Glass Solar	4,375	0	58	4,611	100	Glass Solar	0	0.00						
Glass/Door Cond	-101	0	-1	-246	-5	Glass/Door Cond	-1,947	18.76						
Wall Cond	62	25	1	58	1	Wall Cond	-212	2.87						
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	145	145	2	-129	-3	Infiltration	-1,059	10.20						
<i>Sub Total ==&gt;</i>	<i>4,481</i>	<i>69</i>	<i>4,550</i>	<i>60</i>	<i>4,294</i>	<i>94</i>	<i>-3,218</i>	<i>-3,695</i>	<i>35.61</i>					
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	141	0	2	141	3	Lights	0	0.00						
People	87	0	1	87	1	People	0	0.00						
Misc	113	0	1	113	2	Misc	0	0.00						
<i>Sub Total ==&gt;</i>	<i>341</i>	<i>0</i>	<i>341</i>	<i>5</i>	<i>293</i>	<i>6</i>	<i>0</i>	<i>0.00</i>						
<b>Ceiling Load</b>	4	-4	0	2	0	<b>Ceiling Load</b>	-14	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0						
<b>Dehumid. Ov Sizing</b>			0			<b>Ov/Undr Sizing</b>	-2,905	28.00						
<b>Ov/Undr Sizing</b>	2,420		32	2,420	0	<b>Exhaust Heat</b>	6	-0.06						
<b>Exhaust Heat</b>		-2	0			<b>OA Preheat Diff.</b>	0	0.00						
<b>Sup. Fan Heat</b>			3	230		<b>RA Preheat Diff.</b>	0	0.00						
<b>Ret. Fan Heat</b>		0	0			<b>Additional Reheat</b>	-4,139	39.88						
<b>Duct Heat Pkup</b>		0	0			<b>System Plenum Heat</b>	356	-3.43						
<b>Underflr Sup Ht Pkup</b>		0	0			<b>Underflr Sup Ht Pkup</b>	0	0.00						
<b>Supply Air Leakage</b>		0	0			<b>Supply Air Leakage</b>	0	0.00						
<b>Grand Total ==&gt;</b>	<b>7,246</b>	<b>63</b>	<b>7,539</b>	<b>100.00</b>	<b>4,589</b>	<b>100.00</b>	<b>-6,138</b>	<b>-10,376</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	243	230
<b>Terminal</b>	243	230
<b>Main Fan</b>	243	230
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	13	13
<b>MinStop/Rh</b>	23	230
<b>Return</b>	256	243
<b>Exhaust</b>	13	13
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.11	2.00
<b>cfm/ton</b>	386.11	
<b>ft²/ton</b>	182.88	
<b>Btu/hr-ft²</b>	65.62	-90.31
<b>No. People</b>	0.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	40.8
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.5								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	115		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	115	0	0
<b>Wall</b>	124	60	48
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-10.4	230	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-4.3	230	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-10.4			

# Room Checksums

By Trial

3- 3E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	335	1	0	0	0	-2,938	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	32,797	0	58	34,562	100	0	0	0.00	0	0	0.00	Diffuser	1,818	1,724
Glass/Door Cond	-759	0	-1	-1,843	-5	-14,594	-14,594	18.75	-14,594	-14,594	18.75	Terminal	1,818	1,724
Wall Cond	466	186	1	436	1	-1,592	-2,228	2.86	-1,592	-2,228	2.86	Main Fan	1,818	1,724
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,084	1,084	2	-971	-3	-7,940	-7,940	10.20	-7,940	-7,940	10.20	Infil	99	99
Sub Total ==>	33,587	521	60	32,185	94	-24,127	-27,701	35.60	-24,127	-27,701	35.60	MinStop/Rh	172	1,724
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,917	1,823
Lights	1,059	0	2	1,059	3	0	0	0.00	0	0	0.00	Exhaust	99	99
People	655	0	1	294	1	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	846	0	1	846	2	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,560	0	5	2,198	6	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-107	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.11	2.00
Ov/Undr Sizing	18,152	18,152	32	0	0	-21,798	-21,798	28.01	-21,798	-21,798	28.01	cfm/ton	386.00	
Exhaust Heat	0	-13	0	0	0	0	43	-0.06	0	0	0.00	ft²/ton	182.93	
Sup. Fan Heat	0	1,722	3	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	65.60	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	6.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	54,332	475	100.00	34,399	100.00	-46,032	-77,822	100.00	-46,032	-77,822	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	4.7	56.5	54.7	1,816	72.4	59.8	56.6	54.4	48.4	40.8	Floor	862	-77.8	1,724	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	0	0.0	0.0
<b>Total</b>	<b>4.7</b>	<b>56.5</b>									Roof	862	0	0	0.0	0.0
											Wall	929	449	48	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>		<b>-77.8</b>			

# Room Checksums

By Trial

## 3- 3E-P-NE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 6 / 8		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 63		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	45	45	1	0	0	-392	3.78						
Glass Solar	4,375	0	4,375	58	4,611	100	0	0.00						
Glass/Door Cond	-101	0	-101	-1	-246	-5	-1,947	18.76						
Wall Cond	62	25	87	1	58	1	-212	2.87						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	145	0	145	2	-129	-3	-1,059	10.20						
<i>Sub Total ==&gt;</i>	<i>4,481</i>	<i>69</i>	<i>4,550</i>	<i>60</i>	<i>4,294</i>	<i>94</i>	<i>-3,218</i>	<i>-3,695</i>	<i>35.61</i>					
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	141	0	141	2	141	3	0	0.00						
People	87	0	87	1	39	1	0	0.00						
Misc	113	0	113	1	113	2	0	0.00						
<i>Sub Total ==&gt;</i>	<i>341</i>	<i>0</i>	<i>341</i>	<i>5</i>	<i>293</i>	<i>6</i>	<i>0</i>	<i>0.00</i>						
<b>Ceiling Load</b>	4	-4	0	0	2	0	-14	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-2,905	28.00						
<b>Ov/Undr Sizing</b>	2,420		2,420	32	0	0	6	-0.06						
<b>Exhaust Heat</b>		-2	-2	0			0	0.00						
<b>Sup. Fan Heat</b>			230	3			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-4,139	39.88						
<b>Duct Heat Pkup</b>		0	0	0			356	-3.43						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	<b>7,246</b>	<b>63</b>	<b>7,539</b>	<b>100.00</b>	<b>4,589</b>	<b>100.00</b>	<b>-6,138</b>	<b>-10,376</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	243	230
<b>Terminal</b>	243	230
<b>Main Fan</b>	243	230
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	13	13
<b>MinStop/Rh</b>	23	230
<b>Return</b>	256	243
<b>Exhaust</b>	13	13
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.11	2.00
<b>cfm/ton</b>	386.11	
<b>ft²/ton</b>	182.88	
<b>Btu/hr-ft²</b>	65.62	-90.31
<b>No. People</b>	0.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.6	7.5	7.3	242	72.4	59.8	56.6	54.4	48.4	40.8
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.5								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	115		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	115	0	0
<b>Wall</b>	124	60	48
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-10.4	230	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-4.3	230	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-10.4			

# Room Checksums

By Trial

3- 3E-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	365	4	0	0	0	-676	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,581	0	53	4,895	71	0	0	0.00	0	0	0.00	Diffuser	396	396
Glass/Door Cond	307	0	4	270	4	-2,166	-2,166	12.10	-2,166	-2,166	12.10	Terminal	396	396
Wall Cond	209	65	3	217	3	-387	-507	2.84	0	0	0.00	Main Fan	396	396
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	907	907	11	223	3	-1,826	-1,826	10.20	0	0	0.00	Infil	23	23
Sub Total ==>	6,003	429	6,433	75	5,605	-4,379	-5,175	28.92	0	0	0.00	MinStop/Rh	40	396
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	419	419
Lights	609	0	609	7	609	0	0	0.00	0	0	0.00	Exhaust	23	23
People	624	0	624	7	346	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	316	0	316	4	316	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,548	0	1,548	18	1,271	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0
Ceiling Load	27	-27	0	0	27	-25	0	0.00	-25	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Dehumid. Ov Sizing	0	0	0	0	0	-6,181	-6,181	34.54	0	0	0.00	cfm/ton	553.21	
Ov/Undr Sizing	251	0	251	3	0	0	10	-0.06	0	0	0.00	ft²/ton	276.61	
Exhaust Heat	0	-11	-11	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.38	-90.31
Sup. Fan Heat	0	376	4	0	0	0	0	0.00	0	0	0.00	No. People	1.4	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,829	391	8,596	100.00	6,904	-10,584	-17,894	100.00	6,904	100.00	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.7	8.6	7.7	396	72.7	59.9	56.6	54.4	52.2	54.6	Floor	198		Main Htg	-17.9	396	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-7.4	396	54.2	71.0
<b>Total</b>	<b>0.7</b>	<b>8.6</b>									Roof	198	0	Humidif	0.0	0	0.0	0.0
											Wall	176	67	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-17.9</b>			

# Room Checksums

By Trial

## 3- 3E-P-NW-CR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1						SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	730	4	0	0	0	-1,351	3.78	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	9,162	0	53	9,790	71	0	0	0.00	0	0	0.00	Diffuser	793	793			
Glass/Door Cond	614	0	4	540	4	4	-4,332	12.10	-4,332	-4,332	12.10	Terminal	793	793			
Wall Cond	417	129	3	434	3	0	-774	2.84	-1,015	-1,015	2.84	Main Fan	793	793			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0			
Infiltration	1,813	1,813	11	446	3	0	-3,652	10.20	-3,652	-3,652	10.20	Infil	46	46			
Sub Total ==>	12,006	859	75	11,211	81	0	-8,758	28.92	-10,350	-10,350	28.92	MinStop/Rh	79	793			
<b>Internal Loads</b>					<b>Internal Loads</b>										Return	838	838
Lights	1,217	0	7	1,217	9	0	0	0.00	0	0	0.00	Exhaust	46	46			
People	1,247	0	7	693	5	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	632	0	4	632	5	0	0	0.00	0	0	0.00	Auxiliary	0	0			
Sub Total ==>	3,097	0	18	2,542	18	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-49	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00			
Ov/Undr Sizing	501	501	3	0	0	-12,362	-12,362	34.54	-12,362	-12,362	34.54	cfm/ton	553.21				
Exhaust Heat	0	-22	0	0	0	0	20	-0.06	0	0	0.00	ft²/ton	276.61				
Sup. Fan Heat	0	752	4	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.38	-90.31			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>15,658</b>	<b>783</b>	<b>100.00</b>	<b>13,807</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	1.4	17.2	15.3	793	72.7	59.9	56.6	54.4	52.2	54.6	Floor	396					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
<b>Total</b>	<b>1.4</b>	<b>17.2</b>									Roof	396	0	0			
											Wall	352	133	38			
											Ext Door	0	0	0			
											<b>Total</b>	<b>-35.8</b>	<b>793</b>	<b>54.4</b>	<b>95.0</b>		

# Room Checksums

By Trial

3- 3E-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	72.4	72.4	0.1	0.2	0.6	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	5,472	4	0	0	0	-10,133	3.78						
Glass Solar	68,712	0	53	73,428	71	0	0	0.00						
Glass/Door Cond	4,603	0	4	4,049	4	-32,491	-32,491	12.10						
Wall Cond	3,131	970	3	3,256	3	-5,804	-7,612	2.84						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	13,600	0	11	3,347	3	-27,387	-27,387	10.20						
<i>Sub Total ==&gt;</i>	90,046	6,442	75	84,080	81	-65,683	-77,624	28.92						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	9,130	0	7	9,130	9	0	0	0.00						
People	9,353	0	7	5,196	5	0	0	0.00						
Misc	4,742	0	4	4,742	5	0	0	0.00						
<i>Sub Total ==&gt;</i>	23,226	0	18	19,069	18	0	0	0.00						
<b>Ceiling Load</b>	406	-406	0	407	0	-369	0	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0			-92,715	-92,715	34.54						
<b>Ov/Undr Sizing</b>	3,759		3	0	0	Exhaust Heat	149	-0.06						
<b>Exhaust Heat</b>		-164	0			<b>OA Preheat Diff.</b>	0	0.00						
<b>Sup. Fan Heat</b>		5,636	4			<b>RA Preheat Diff.</b>	0	0.00						
<b>Ret. Fan Heat</b>		0	0			<b>Additional Reheat</b>	-107,056	39.88						
<b>Duct Heat Pkup</b>		0	0			<b>System Plenum Heat</b>	8,830	-3.29						
<b>Underflr Sup Ht Pkup</b>		0	0			<b>Underflr Sup Ht Pkup</b>	0	0.00						
<b>Supply Air Leakage</b>		0	0			<b>Supply Air Leakage</b>	0	0.00						
<b>Grand Total ==&gt;</b>	117,436	5,872	100.00	128,944	100.00	<b>Grand Total ==&gt;</b>	-158,767	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	5,945	5,945
<b>Terminal</b>	5,945	5,945
<b>Main Fan</b>	5,945	5,945
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	342	342
<b>MinStop/Rh</b>	594	5,945
<b>Return</b>	6,286	6,286
<b>Exhaust</b>	342	342
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.00	2.00
<b>cfm/ton</b>	553.22	
<b>ft²/ton</b>	276.61	
<b>Btu/hr-ft²</b>	43.38	-90.31
<b>No. People</b>	20.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	10.8	128.9	115.1	5,945	72.7	59.9	56.6	54.4	52.2	54.6
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	10.8	128.9								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	2,972		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	2,972	0	0
<b>Wall</b>	2,639	1,000	38
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-268.4	5,945	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-111.5	5,945	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-268.4			

# Room Checksums

By Trial

## 3- 3E-P-NW-PO

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1						SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	730	4	0	0	0	-1,351	3.78	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	9,162	0	53	9,790	71	0	0	0.00	0	0	0.00	Diffuser	793	793			
Glass/Door Cond	614	0	4	540	4	4	-4,332	12.10	-4,332	-4,332	12.10	Terminal	793	793			
Wall Cond	417	129	3	434	3	0	-774	2.84	-1,015	-1,015	2.84	Main Fan	793	793			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0			
Infiltration	1,813	1,813	11	446	3	0	-3,652	10.20	-3,652	-3,652	10.20	Infil	46	46			
Sub Total ==>	12,006	859	75	11,211	81	0	-8,758	28.92	-10,350	-10,350	28.92	MinStop/Rh	79	793			
<b>Internal Loads</b>					<b>Internal Loads</b>										Return	838	838
Lights	1,217	0	7	1,217	9	0	0	0.00	0	0	0.00	Exhaust	46	46			
People	1,247	0	7	693	5	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	632	0	4	632	5	0	0	0.00	0	0	0.00	Auxiliary	0	0			
Sub Total ==>	3,097	0	18	2,542	18	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-49	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00			
Ov/Undr Sizing	501	0	3	0	0	-12,362	-12,362	34.54	-12,362	-12,362	34.54	cfm/ton	553.21				
Exhaust Heat	0	-22	0	0	0	0	20	-0.06	0	0	0.00	ft²/ton	276.61				
Sup. Fan Heat	0	752	4	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.38	-90.31			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>15,658</b>	<b>783</b>	<b>100.00</b>	<b>13,807</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>						

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	1.4	17.2	15.3	793	72.7	59.9	56.6	54.4	52.2	54.6	Floor	396	-35.8	793	54.4	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0		
											ExFlr	0	0.0	793	54.2	71.0		
<b>Total</b>	<b>1.4</b>	<b>17.2</b>									Roof	396	0.0	0	0.0	0.0		
											Wall	352	133	38	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0		
											<b>Total</b>	<b>-35.8</b>						



# Room Checksums

By Trial

## 3- 3E-P-SE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	61	1	0	0	0	-518	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	6,261	0	6,261	57	6,261	91	0	0.00	0	0	0.00	Diffuser	365	304
Glass/Door Cond	-269	0	-269	-2	-269	-4	-1,883	13.73	-1,883	-1,883	13.73	Terminal	365	304
Wall Cond	124	42	166	2	124	2	-288	2.81	-288	-385	2.81	Main Fan	365	304
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-280		-280	-3	-187	-3	-1,399	10.20	-1,399	-1,399	10.20	Infil	17	17
Sub Total ==>	5,836	103	5,939	54	5,929	86	-3,571	30.52	-4,185	-4,185	30.52	MinStop/Rh	30	304
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	382	321
Lights	466	0	466	4	466	7	0	0.00	0	0	0.00	Exhaust	17	17
People	478	0	478	4	265	4	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	233	0	233	2	233	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,178	0	1,178	11	965	14	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	-19	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0	5	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00
Ov/Undr Sizing	3,534		3,534	32	0	0	-4,522	32.97	-4,522	-4,522	32.97	cfm/ton	398.02	
Exhaust Heat		-2	-2	0			8	-0.06				ft²/ton	165.74	
Sup. Fan Heat			346	3			0	0.00				Btu/hr-ft²	72.40	-90.31
Ret. Fan Heat		0	0	0			0	0.00				No. People	1.1	7.0/1000 ft²
Duct Heat Pkup		0	0	0			0	0.00						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	10,552	96	10,994	100.00	6,899	100.00	-8,111	100.00	-13,713	-13,713	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.9	11.0	10.9	365	72.4	59.7	56.6	54.4	48.7	42.1	Floor	152	Main Htg	-13.7	304	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-5.7	304	54.2	71.0
<b>Total</b>	<b>0.9</b>	<b>11.0</b>									Roof	152	Humidif	0.0	0	0.0	0.0
											Wall	141	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-13.7</b>			

# Room Checksums

By Trial

## 3- 3E-P-SE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design			Cooling		Heating		
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1			SADB		Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h						
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser		729	607	
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal		729	607	
Roof Cond	0	123	1	0	0	0	-1,035	3.78	Main Fan		729	607	
Glass Solar	12,516	0	57	12,516	91	0	0	0.00	Sec Fan		0	0	
Glass/Door Cond	-538	0	-2	-538	-4	-3,765	-3,765	13.73	Nom Vent		0	0	
Wall Cond	248	83	2	248	2	-576	-769	2.80	AHU Vent		0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	Infil		35	35	
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh		61	607	
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return		764	642	
Infiltration	-560	-560	-3	-373	-3	-2,798	-2,798	10.20	Exhaust		35	35	
<i>Sub Total ==&gt;</i>	11,666	206	54	11,852	86	-7,140	-8,368	30.51	Rm Exh		0	0	
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>		
Lights	933	0	4	933	7	0	0	0.00	% OA		0.0	0.0	
People	956	0	4	531	4	0	0	0.00	cfm/ft²		2.40	2.00	
Misc	466	0	2	466	3	0	0	0.00	cfm/ton		397.95		
<i>Sub Total ==&gt;</i>	2,355	0	11	1,930	14	0	0	0.00	ft²/ton		165.78		
<b>Ceiling Load</b>	9	-9	0	9	0	-38	-9,045	32.98	Btu/hr-ft²		72.39	-90.31	
<b>Ventilation Load</b>	0	0	0	0	0	0	0	-0.06	No. People		2.1	7.0/1000 ft²	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00					
<b>Dehumid. Ov Sizing</b>			0										
<b>Ov/Undr Sizing</b>	7,069		32	0	0								
<b>Exhaust Heat</b>		-4	0										
<b>Sup. Fan Heat</b>			3										
<b>Ret. Fan Heat</b>			0										
<b>Duct Heat Pkup</b>			0										
<b>Underflr Sup Ht Pkup</b>			0										
<b>Supply Air Leakage</b>			0										
<b>Grand Total ==&gt;</b>	21,099	193	100.00	13,792	100.00	-16,223	-27,426	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
<b>Main Clg</b>	1.8	22.0	21.8	729	72.4	59.7	56.6	54.4	48.7	42.1	Floor	304				
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				
<b>Total</b>	1.8	22.0									ExFlr	0				
											Roof	304	0	0		
											Wall	281	116	41		
											Ext Door	0	0	0		
											<b>Total</b>	-27.4				

# Room Checksums

By Trial

3- 3E-P-SE-00

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
<b>Envelope Loads</b>					<b>Envelope Loads</b>												
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Ra Plenum	72.1	70.6			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	72.1	70.6			
Roof Cond	0	921	1	0	0	0	-7,766	3.78	0	0	0.00	Ret/OA	72.1	70.6			
Glass Solar	93,874	0	57	93,874	91	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Glass/Door Cond	-4,038	0	-2	-4,038	-4	-28,237	-28,237	13.73	-28,237	-28,237	13.73	Fn BldTD	0.2	0.0			
Wall Cond	1,859	623	2	1,859	2	-4,323	-5,770	2.80	-4,323	-5,770	2.80	Fn Frict	0.6	0.0			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	-4,198	-4,198	-3	-2,798	-3	-20,988	-20,988	10.20	-20,988	-20,988	10.20						
Sub Total ==>	87,496	1,545	54	88,896	86	-53,548	-62,761	30.51	-53,548	-62,761	30.51						
<b>Internal Loads</b>					<b>Internal Loads</b>												
Lights	6,997	0	4	6,997	7	0	0	0.00	0	0	0.00						
People	7,168	0	4	3,982	4	0	0	0.00	0	0	0.00						
Misc	3,498	0	2	3,498	3	0	0	0.00	0	0	0.00						
Sub Total ==>	17,663	0	11	14,477	14	0	0	0.00	0	0	0.00						
Ceiling Load	70	-70	0	70	0	-283	0	0.00	-283	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0			-67,838	-67,838	32.98	-67,838	-67,838	32.98						
Ov/Undr Sizing	53,020		32	0	0	Exhaust Heat	114	-0.06									
Exhaust Heat		-28	0			OA Preheat Diff.	0	0.00									
Sup. Fan Heat		5,184	3			RA Preheat Diff.	0	0.00									
Ret. Fan Heat		0	0			Additional Reheat	-82,041	39.88									
Duct Heat Pkup		0	0			System Plenum Heat	6,828	-3.32									
Underflr Sup Ht Pkup		0	0			Underflr Sup Ht Pkup	0	0.00									
Supply Air Leakage		0	0			Supply Air Leakage	0	0.00									
<b>Grand Total ==&gt;</b>	<b>158,248</b>	<b>1,447</b>	<b>100.00</b>	<b>164,879</b>	<b>100.00</b>	<b>-121,669</b>	<b>-205,697</b>	<b>100.00</b>	<b>-121,669</b>	<b>-205,697</b>	<b>100.00</b>						

AIRFLOWS		
	Cooling	Heating
Diffuser	5,468	4,556
Terminal	5,468	4,556
Main Fan	5,468	4,556
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	262	262
MinStop/Rh	456	4,556
Return	5,730	4,817
Exhaust	262	262
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.40	2.00
cfm/ton	397.95	
ft²/ton	165.78	
Btu/hr-ft²	72.39	-90.31
No. People	15.9	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
Main Clg	13.7	164.9	163.1	54.4	59.7	56.6	54.4	48.7	42.1	
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total</b>	<b>13.7</b>	<b>164.9</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	2,278		
Part	0		
Int Door	0		
ExFlr	0		
Roof	2,278	0	0
Wall	2,111	869	41
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-205.7	4,556	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-85.4	4,556	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-205.7</b>			

# Room Checksums

By Trial

## 3- 3E-P-SE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.1	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.1	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	123	1	0	0	0	-1,035	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	12,516	0	57	12,516	91	0	0	0.00	0	0	0.00	Diffuser	729	607
Glass/Door Cond	-538	0	-2	-538	-4	-3,765	-3,765	13.73	-3,765	-3,765	13.73	Terminal	729	607
Wall Cond	248	83	2	248	2	-576	-769	2.80	-576	-769	2.80	Main Fan	729	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-560	-560	-3	-373	-3	-2,798	-2,798	10.20	-2,798	-2,798	10.20	Infil	35	35
Sub Total ==>	11,666	206	54	11,852	86	-7,140	-8,368	30.51	-7,140	-8,368	30.51	MinStop/Rh	61	607
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	764	642
Lights	933	0	4	933	7	0	0	0.00	0	0	0.00	Exhaust	35	35
People	956	0	4	531	4	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	466	0	2	466	3	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,355	0	11	1,930	14	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-38	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing		0	0		0							cfm/ft²	2.40	2.00
Ov/Undr Sizing	7,069	7,069	32	0	0	-9,045	-9,045	32.98	-9,045	-9,045	32.98	cfm/ton	397.95	
Exhaust Heat		-4	0		0			-0.06				ft²/ton	165.78	
Sup. Fan Heat		691	3		3			0.00				Btu/hr-ft²	72.39	-90.31
Ret. Fan Heat		0	0		0			0.00				No. People	2.1	7.0/1000 ft²
Duct Heat Pkup		0	0		0			0.00						
Underflr Sup Ht Pkup		0	0		0			0.00						
Supply Air Leakage		0	0		0			0.00						
<b>Grand Total ==&gt;</b>	<b>21,099</b>	<b>193</b>	<b>100.00</b>	<b>13,792</b>	<b>100.00</b>	<b>-16,223</b>	<b>-27,426</b>	<b>100.00</b>	<b>-16,223</b>	<b>-27,426</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	1.8	22.0	21.8	729	72.4	59.7	56.6	54.4	48.7	42.1	Floor	304				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				
											ExFlr	0				
<b>Total</b>	<b>1.8</b>	<b>22.0</b>									Roof	304	0	0		
											Wall	281	116	41		
											Ext Door	0	0	0		
											<b>Total</b>	<b>-27.4</b>				

# Room Checksums

By Trial

3- 3W-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	72.6	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	72.6	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	2,057	2,057
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	2,057	2,057
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	2,057	2,057
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	5,061		5,061	34	1,580	19	-9,478	10.20	-9,478	-9,478	10.20				AHU Vent	0	0
Sub Total ==>	5,061	0	5,061	34	1,580	19	-9,478	10.20	-9,478	-9,478	10.20				Infil	118	118
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	206	2,057
Lights	3,160	0	3,160	21	3,160	38	0	0.00	0	0	0.00				Return	2,175	2,175
People	3,237	0	3,237	22	1,798	22	0	0.00	0	0	0.00				Exhaust	118	118
Misc	1,527	0	1,527	10	1,527	19	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	7,924	0	7,924	53	6,485	79	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	-182	0	0	182	2	-128	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing			0	0			-45,338	48.81	-45,338	-45,338	48.81				Cooling	Heating	
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	0	0.00				% OA	0.0	0.0
Exhaust Heat		-73	-73	0			0	0.00	0	0	0.00				cfm/ft²	2.00	2.00
Sup. Fan Heat			1,951	13			0	0.00	0	0	0.00				cfm/ton	1,661.03	
Ret. Fan Heat		0	0	0			0	0.00	0	0	0.00				ft²/ton	830.52	
Duct Heat Pkup		0	0	0			-37,049	39.88	-37,049	-37,049	39.88				Btu/hr-ft²	14.45	-90.31
Underflr Sup Ht Pkup		0	0	0			-1,077	1.16	-1,077	-1,077	1.16				No. People	7.2	7.0/1000 ft²
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00						
Grand Total ==>	13,167	-255	14,862	100.00	8,246	100.00	-54,944		-92,890	-92,890	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb											
Main Clg	1.2	14.9	9.9	2,057	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,029					Main Htg	-92.9	2,057	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	0.0	0	0.0	0.0
											ExFlr	0					Reheat	-38.6	2,057	54.2	71.0
											Roof	0	0	0			Humidif	0.0	0	0.0	0.0
											Wall	0	0	0			Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0			<b>Total</b>	-92.9			
<b>Total</b>	1.2	14.9																			

# Room Checksums

By Trial

## 3- 3W-I-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,531	0	2,531	34	790	19	-4,739	10.20	-4,739	-4,739	10.20	Infil	59	59
Sub Total ==>	2,531	0	2,531	34	790	19	-4,739	10.20	-4,739	-4,739	10.20	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	1,088	1,088
Lights	1,580	0	1,580	21	1,580	38	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	0	1,618	22	899	22	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	764	0	764	10	764	19	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	0	3,962	53	3,242	79	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-91	0	0	91	2	-64	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	-22,669	48.81	-22,669	-22,669	48.81	cfm/ton	1,661.03	
Exhaust Heat	0	-37	-37	0	0	0	0	-0.06	0	0	-0.06	ft²/ton	830.51	
Sup. Fan Heat	0	0	975	13	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	6,583	-128	7,431	100.00	4,123	100.00	-27,472		-46,445	-46,445	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.6	7.4	5.0	1,029	72.8	59.9	56.6	54.4	52.7	56.6	Floor	514	-46.4	1,029	54.4	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0		
											ExFlr	0	0.0	0	0.0	0.0		
<b>Total</b>	0.6	7.4									Roof	0	0	0	0.0	0.0		
											Wall	0	0	0	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0		
											<b>Total</b>	-46.4	-46.4	1,029	54.2	71.0		

# Room Checksums

By Trial

## 3- 3W-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	72.6	70.6	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	72.6	70.6	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0	
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>			
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	5,143	5,143	
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	5,143	5,143	
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	5,143	5,143	
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0	
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0	
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0	
Infiltration	12,654	12,654	34	3,949	19	Infiltration	-23,695	10.20	Infiltration	-23,695	10.20	Infil	296	296	
Sub Total ==>	12,654	0	12,654	34	3,949	19	Sub Total ==>	-23,695	Sub Total ==>	-23,695	10.20	MinStop/Rh	514	5,143	
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	5,439	5,439	
Lights	7,899	0	7,899	21	7,899	38	Lights	0	0.00	Lights	0	0.00	Exhaust	296	296
People	8,092	0	8,092	22	4,496	22	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	3,818	0	3,818	10	3,818	19	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	19,809	0	19,809	53	16,212	79	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Sub Total ==>	19,809	0	19,809	53	16,212	79	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Ups	0	0
Ceiling Load	455	-455	0	0	455	2	Ceiling Load	-319	0.00	Ceiling Load	-319	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0.00	Adj Air Trans Heat	0	0.00	cfm/ft²	2.00	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-113,346	48.81	Ov/Undr Sizing	-113,346	48.81	cfm/ton	1,661.03	
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	129	-0.06	Exhaust Heat	129	-0.06	ft²/ton	830.52	
Exhaust Heat	0	-184	-184	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	14.45	-90.31
Sup. Fan Heat	0	4,876	4,876	13	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	18.0	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-92,621	39.88	Additional Reheat	-92,621	39.88			
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-2,692	1.16	System Plenum Heat	-2,692	1.16			
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	32,917	-638	37,155	100.00	20,616	100.00	Grand Total ==>	-137,360	100.00	Grand Total ==>	-232,225	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	3.1	37.2	24.9	5,143	72.8	59.9	56.6	54.4	52.7	56.6	Floor	2,572	Main Htg	-232.2	5,143	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-96.5	5,143	54.2	71.0
<b>Total</b>	<b>3.1</b>	<b>37.2</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-232.2</b>			

# Room Checksums

By Trial

### 3- 3W-I-SM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design							Cooling		Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1							SADB		Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Diffuser	Cooling	Heating	Terminal	Main Fan	Sec Fan	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00	Roof Cond	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00						
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00						
Infiltration	5,061		5,061	34	1,580	19	-9,478	10.20	Infiltration	-9,478	-9,478	10.20						
<i>Sub Total ==&gt;</i>	5,061	0	5,061	34	1,580	19	-9,478	10.20	<i>Sub Total ==&gt;</i>	-9,478	-9,478	10.20						
<b>Internal Loads</b>					<b>Internal Loads</b>													
Lights	3,160	0	3,160	21	3,160	38	0	0.00	Lights	0	0	0.00						
People	3,237	0	3,237	22	1,798	22	0	0.00	People	0	0	0.00						
Misc	1,527	0	1,527	10	1,527	19	0	0.00	Misc	0	0	0.00						
<i>Sub Total ==&gt;</i>	7,924	0	7,924	53	6,485	79	0	0.00	<i>Sub Total ==&gt;</i>	0	0	0.00						
Ceiling Load	182	-182	0	0	182	2	-128	0.00	Ceiling Load	-128	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00	Ventilation Load	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0						
Dehumid. Ov Sizing			0	0			-45,338	48.81	Ov/Undr Sizing	-45,338	-45,338	48.81						
Ov/Undr Sizing	0		0	0	0	0	52	-0.06	Exhaust Heat		52	-0.06						
Exhaust Heat		-73	-73	0			0	0.00	OA Preheat Diff.		0	0.00						
Sup. Fan Heat			1,951	13			0	0.00	RA Preheat Diff.		0	0.00						
Ret. Fan Heat		0	0	0			-37,049	39.88	Additional Reheat		-37,049	39.88						
Duct Heat Pkup		0	0	0			-1,077	1.16	System Plenum Heat		-1,077	1.16						
Underflr Sup Ht Pkup			0	0			0	0.00	Underflr Sup Ht Pkup		0	0.00						
Supply Air Leakage		0	0	0			0	0.00	Supply Air Leakage		0	0.00						
<b>Grand Total ==&gt;</b>	13,167	-255	14,862	100.00	8,246	100.00	-54,944	100.00	<b>Grand Total ==&gt;</b>	-54,944	-92,890	100.00						
															<b>ENGINEERING CKS</b>			
												Cooling		Heating				
												% OA		0.0	0.0			
												cfm/ft²		2.00	2.00			
												cfm/ton		1,661.03				
												ft²/ton		830.52				
												Btu/hr-ft²		14.45	-90.31			
												No. People		7.2	7.0/1000 ft²			

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
<b>Main Clg</b>	1.2	14.9	9.9	2,057	72.8	59.9	56.6	54.4	52.7	56.6	<b>Floor</b>	1,029		<b>Main Htg</b>	-92.9	2,057	54.4	95.0	
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0	
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0	
											<b>ExFlr</b>	0		<b>Reheat</b>	-38.6	2,057	54.2	71.0	
<b>Total</b>	1.2	14.9									<b>Roof</b>	0	0	<b>Humidif</b>	0.0	0	0.0	0.0	
											<b>Wall</b>	0	0	<b>Opt Vent</b>	0.0	0	0.0	0.0	
											<b>Ext Door</b>	0	0	<b>Total</b>	-92.9				



# Room Checksums

By Trial

### 3- 3W-P-N-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	136	0	136	16	136	25	0	0.00	0	0	0.00	Diffuser	86	86
Glass/Door Cond	45	0	45	5	45	8	-281	7.21	-281	-281	7.21	Terminal	86	86
Wall Cond	25	6	31	4	25	5	-91	2.91	-114	-114	2.91	Main Fan	86	86
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	212		212	25	66	12	-398	10.20	-398	-398	10.20	Infil	5	5
Sub Total ==>	418	6	424	51	272	49	-769	20.32	-792	-792	20.32	MinStop/Rh	9	86
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	91	91
Lights	133	0	133	16	133	24	0	0.00	0	0	0.00	Exhaust	5	5
People	136	0	136	16	75	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	64	0	64	8	64	12	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	332	0	332	40	272	49	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups												0	0	0
<b>Ceiling Load</b>	8	-8	0	0	8	1	-5	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>			0	0			-1,530	39.27	-1,530	-1,530	39.27	cfm/ton	1,240.08	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	-0.06	2	2	-0.06	ft²/ton	620.04	
<b>Exhaust Heat</b>		-3	-3	0			0	0.00	0	0	0.00	Btu/hr-ft²	19.35	-90.31
<b>Sup. Fan Heat</b>			82	10			0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²
<b>Ret. Fan Heat</b>		0	0	0			0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>		0	0	0			0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>		0	0	0			0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	758	-5	835	100.00	552	100.00	-2,305	100.00	-3,897	-3,897	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.8	0.6	86	72.8	59.9	56.6	54.4	52.7	56.6	Floor	43		Main Htg	-3.9	86	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-1.6	86	54.2	71.0	
<b>Total</b>	0.1	0.8									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	33	9	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-3.9			

# Room Checksums

By Trial

## 3- 3W-P-N-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	272	0	272	16	272	25	0	0.00						
Glass/Door Cond	89	0	89	5	89	8	-562	7.21						
Wall Cond	50	12	62	4	50	5	-182	2.91						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	425	0	425	25	133	12	-795	10.20						
<i>Sub Total ==&gt;</i>	836	12	848	51	544	49	-1,539	20.32						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	265	0	265	16	265	24	0	0.00						
People	272	0	272	16	151	14	0	0.00						
Misc	128	0	128	8	128	12	0	0.00						
<i>Sub Total ==&gt;</i>	665	0	665	40	544	49	0	0.00						
<b>Ceiling Load</b>	15	-15	0	0	15	1	-11	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-3,060	39.27						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	4	-0.06						
<b>Exhaust Heat</b>		-6	0	0			0	0.00						
<b>Sup. Fan Heat</b>			164	10			0	0.00						
<b>Ret. Fan Heat</b>			0	0			-3,108	39.88						
<b>Duct Heat Pkup</b>			0	0			-45	0.58						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>			0	0			0	0.00						
<b>Grand Total ==&gt;</b>	1,516	-9	1,670	100.00	1,103	100.00	-4,610	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	173	173
<b>Terminal</b>	173	173
<b>Main Fan</b>	173	173
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	10	10
<b>MinStop/Rh</b>	17	173
<b>Return</b>	183	183
<b>Exhaust</b>	10	10
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.00	2.00
<b>cfm/ton</b>	1,240.08	
<b>ft²/ton</b>	620.04	
<b>Btu/hr-ft²</b>	19.35	-90.31
<b>No. People</b>	0.6	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.1	1.7								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	86		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	66	17	26
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-7.8	173	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-3.2	173	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-7.8			

# Room Checksums

By Trial

## 3- 3W-P-N-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,042	0	2,042	16	2,042	25	0	0.00	0	0	0.00	Diffuser	1,295	1,295
Glass/Door Cond	668	0	668	5	668	8	-4,213	7.21	-4,213	-4,213	7.21	Terminal	1,295	1,295
Wall Cond	373	91	464	4	373	5	-1,363	2.91	-1,363	-1,703	2.91	Main Fan	1,295	1,295
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	3,185	0	3,185	25	994	12	-5,964	10.20	-5,964	-5,964	10.20	Infil	74	74
Sub Total ==>	6,269	91	6,360	51	4,078	49	-11,540	20.32	-11,540	-11,880	20.32	MinStop/Rh	129	1,295
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,369	1,369
Lights	1,988	0	1,988	16	1,988	24	0	0.00	0	0	0.00	Exhaust	74	74
People	2,037	0	2,037	16	1,132	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	961	0	961	8	961	12	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,986	0	4,986	40	4,081	49	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-114	0	0	114	1	-80	0.00	-80	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	-22,953	39.27	-22,953	-22,953	39.27	cfm/ton	1,240.08	
Exhaust Heat	0	-46	-46	0	0	0	0	-0.06	0	32	-0.06	ft²/ton	620.04	
Sup. Fan Heat	0	0	1,227	10	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.35	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.5	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>11,369</b>	<b>-70</b>	<b>12,527</b>	<b>100.00</b>	<b>8,273</b>	<b>100.00</b>	<b>-34,574</b>	<b>100.00</b>	<b>-34,574</b>	<b>-58,451</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	1.0	12.5	9.4	1,295	72.8	59.9	56.6	54.4	52.7	56.6	Floor	647		Main Htg	-58.5	1,295	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-24.3	1,295	54.2	71.0	
<b>Total</b>	<b>1.0</b>	<b>12.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	496	130	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-58.5</b>			

# Room Checksums

By Trial

## 3- 3W-P-N-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	272	0	272	16	272	25	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	89	0	89	5	89	8	-562	7.21	-562	-562	7.21	Diffuser	173	173
Wall Cond	50	12	62	4	50	5	-182	2.91	-227	-227	2.91	Terminal	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	173	173
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	425	0	425	25	133	12	-795	10.20	-795	-795	10.20	AHU Vent	0	0
Sub Total ==>	836	12	848	51	544	49	-1,539	20.32	-1,584	-1,584	20.32	Infil	10	10
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	17	173
Lights	265	0	265	16	265	24	0	0.00	0	0	0.00	Return	183	183
People	272	0	272	16	151	14	0	0.00	0	0	0.00	Exhaust	10	10
Misc	128	0	128	8	128	12	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	665	0	665	40	544	49	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-15	0	0	15	1	-11	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-3,060	39.27	-3,060	-3,060	39.27	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.06	4	4	-0.06	cfm/ft²	2.00	2.00
Exhaust Heat	0	-6	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,240.08	
Sup. Fan Heat	0	0	164	10	0	0	0	0.00	0	0	0.00	ft²/ton	620.04	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-3,108	-3,108	39.88	Btu/hr-ft²	19.35	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.58	-45	-45	0.58	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>1,516</b>	<b>-9</b>	<b>1,670</b>	<b>100.00</b>	<b>1,103</b>	<b>100.00</b>	<b>-4,610</b>	<b>100.00</b>	<b>-7,794</b>	<b>-7,794</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.1	1.7	1.3	173	72.8	59.9	56.6	54.4	52.7	56.6	Floor	86	Main Htg	-7.8	173	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.2	173	54.2	71.0
<b>Total</b>	<b>0.1</b>	<b>1.7</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	66	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-7.8</b>			

# Room Checksums

By Trial

## 3- 3W-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	1,142	0	1,142	64	1,225	78	0	0.00	0	0	0.00				Diffuser	83	82
Glass/Door Cond	67	0	67	4	55	3	-538	14.48	-538	14.48	Terminal				83	82	
Wall Cond	70	20	91	5	73	5	-116	4.02	-149	4.02	Main Fan				83	82	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Sec Fan				0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	AHU Vent				0	0	
Infiltration	166	0	166	9	33	2	-379	10.20	-379	10.20	Infil				5	5	
Sub Total ==>	1,446	20	1,466	82	1,385	88	-1,033	28.70	-1,067	28.70	MinStop/Rh				8	82	
<b>Internal Loads</b>				<b>Internal Loads</b>											Return	88	87
Lights	84	0	84	5	84	5	0	0.00	0	0.00	Exhaust	5	5				
People	62	0	62	3	45	3	0	0.00	0	0.00	Rm Exh	0	0				
Misc	60	0	60	3	60	4	0	0.00	0	0.00	Auxiliary	0	0				
Sub Total ==>	206	0	206	12	189	12	0	0.00	0	0.00	Leakage Dwn	0	0				
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0			
Ventilation Load	0	-5	0	0	5	0	-5	0.00	0	0.00	<b>ENGINEERING CKS</b>						
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00				% OA	0.0	0.0	
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,160	31.21	-1,160	31.21				cfm/ft²	2.03	2.00	
Ov/Undr Sizing	40	0	40	2	0	0	2	-0.06	2	-0.06				cfm/ton	559.98		
Exhaust Heat	0	-2	0	0	0	0	0	0.00	0	0.00				ft²/ton	276.11		
Sup. Fan Heat	0	78	0	4	0	0	0	0.00	0	0.00				Btu/hr-ft²	43.46	-90.31	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00				No. People	0.3	7.0/1000 ft²	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00							
Grand Total ==>	1,697	13	1,788	100.00	1,579	100.00	-2,198	100.00	-3,716	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.2	1.8	1.7	82	72.7	59.9	56.6	54.4	52.1	54.5	Floor	41			Main Htg	-3.7	82	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-1.5	82	54.2	71.0
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
<b>Total</b>	<b>0.2</b>	<b>1.8</b>									Wall	49	17	34	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-3.7</b>			

# Room Checksums

By Trial

## 3- 3W-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.4	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	-1,078	14.50	Diffuser	167	165
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	-299	4.03	Terminal	167	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	167	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	332	0	332	9	65	2	-758	10.20	-758	-758	10.20	AHU Vent	0	0
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	-2,135	28.73	Infil	9	9
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	16	165
Lights	169	0	169	5	169	5	0	0.00	0	0	0.00	Return	177	174
People	125	0	125	3	90	3	0	0.00	0	0	0.00	Exhaust	9	9
Misc	119	0	119	3	119	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Ov/Undr Sizing	77	0	77	2	0	0	-2,318	31.18	-2,318	-2,318	31.18	cfm/ft²	2.03	2.00
Exhaust Heat	0	-4	-4	0	0	0	0	-0.06	4	4	-0.06	cfm/ton	560.63	
Sup. Fan Heat	0	0	156	4	0	0	0	0.00	0	0	0.00	ft²/ton	276.11	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.46	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,395	26	3,577	100.00	3,161	100.00	-4,396	100.00	-7,432	-7,432	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82	-7.4	165	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	165	54.2	71.0
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0.0	0	0.0	0.0
											Wall	98	0.0	0	0.0	0.0
											Ext Door	0	0.0	0	0.0	0.0
													<b>Total</b>	<b>-7.4</b>		

# Room Checksums

By Trial

## 3- 3W-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	17,150	0	17,150	64	18,388	78	0	0.00	0	0	0.00	Diffuser	1,253	1,235
Glass/Door Cond	1,000	0	1,000	4	819	3	-8,077	14.49	-8,077	-8,077	14.49	Terminal	1,253	1,235
Wall Cond	1,058	303	1,361	5	1,091	5	-1,743	4.03	-1,743	-2,244	4.03	Main Fan	1,253	1,235
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,492	0	2,492	9	489	2	-5,688	10.20	-5,688	-5,688	10.20	Infil	71	71
Sub Total ==>	21,701	303	22,004	82	20,786	88	-15,507	28.72	-15,507	-16,008	28.72	MinStop/Rh	123	1,235
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,324	1,305
Lights	1,264	0	1,264	5	1,264	5	0	0.00	0	0	0.00	Exhaust	71	71
People	935	0	935	3	676	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	895	0	895	3	895	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,095	0	3,095	12	2,836	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	76	-76	0	0	76	0	-77	0.00	-77	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	560.33	
<b>Ov/Undr Sizing</b>	588	0	588	2	0	0	-17,388	31.19	-17,388	-17,388	31.19	ft²/ton	276.11	
<b>Exhaust Heat</b>	0	-31	-31	0	0	0	0	-0.06	0	0	-0.06	Btu/hr-ft²	43.46	-90.31
<b>Sup. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.3	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	25,459	197	26,826	100.00	23,697	100.00	-32,971	100.00	-32,971	-55,742	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	2.2	26.8	24.7	1,235	72.7	59.9	56.6	54.4	52.1	54.5	Floor	617		Main Htg	-55.7	1,235	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-23.2	1,235	54.2	71.0	
<b>Total</b>	2.2	26.8									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	732	249	34	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-55.7			

# Room Checksums

By Trial

## 3- 3W-P-NW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.4	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	2,288	0	2,288	64	2,453	78	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	133	0	133	4	109	3	-1,078	14.50	-1,078	-1,078	14.50	Diffuser	167	165
Wall Cond	141	40	182	5	146	5	-232	4.03	-299	-299	4.03	Terminal	167	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	167	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	332	0	332	9	65	2	-758	10.20	-758	-758	10.20	AHU Vent	0	0
Sub Total ==>	2,895	40	2,936	82	2,773	88	-2,068	28.73	-2,135	-2,135	28.73	Infil	9	9
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	16	165
Lights	169	0	169	5	169	5	0	0.00	0	0	0.00	Return	177	174
People	125	0	125	3	90	3	0	0.00	0	0	0.00	Exhaust	9	9
Misc	119	0	119	3	119	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	413	0	413	12	378	12	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-10	0	0	10	0	-10	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Ov/Undr Sizing	77	0	77	2	0	0	-2,318	31.18	-2,318	-2,318	31.18	cfm/ft²	2.03	2.00
Exhaust Heat	0	-4	-4	0	0	0	0	-0.06	4	4	-0.06	cfm/ton	560.63	
Sup. Fan Heat	0	0	156	4	0	0	0	0.00	0	0	0.00	ft²/ton	276.11	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.46	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,395	26	3,577	100.00	3,161	100.00	-4,396	100.00	-7,432	-7,432	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.6	3.3	165	72.7	59.9	56.6	54.4	52.1	54.5	Floor	82	Main Htg	-7.4	165	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.1	165	54.2	71.0
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	98	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-7.4</b>			



# Room Checksums

By Trial

## 3- 3W-P-S-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.2	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	2,659	0	2,659	69	2,659	93	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-93	0	-93	-2	-93	-3	-776	19.36	-776	-776	19.36	Diffuser	150	89
Wall Cond	44	20	64	2	44	2	-72	2.59	-104	-104	2.59	Terminal	150	89
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	150	89
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-109	0	-109	-3	-47	-2	-409	10.20	-409	-409	10.20	AHU Vent	0	0
Sub Total ==>	2,501	20	2,521	66	2,564	90	-1,256	32.16	-1,256	-1,288	32.16	Infil	5	5
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	9	89
Lights	136	0	136	4	136	5	0	0.00	0	0	0.00	Return	155	94
People	140	0	140	4	78	3	0	0.00	0	0	0.00	Exhaust	5	5
Misc	64	0	64	2	64	2	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	340	0	340	9	278	10	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Lights	3	-3	0	0	3	0	-6	0.00	0	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,107	27.64	-1,107	-1,107	27.64	cfm/ft²	3.39	2.00
Ov/Undr Sizing	833	0	833	22	0	0	0	0.00	2	0	-0.06	cfm/ton	470.41	
Exhaust Heat	0	-1	-1	0	0	0	0	0.00	0	0	0.00	ft²/ton	138.77	
Sup. Fan Heat	0	0	143	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	86.47	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,677</b>	<b>16</b>	<b>3,835</b>	<b>100.00</b>	<b>2,844</b>	<b>100.00</b>	<b>-2,369</b>	<b>100.00</b>	<b>-4,005</b>	<b>-4,005</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.8	3.8	150	72.5	59.8	56.6	54.4	50.6	48.9	Floor	44	-4.0	89	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	-1.7	89	54.2	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.8</b>									Roof	0	0.0	0	0.0	0.0	
											Wall	46	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
											<b>Total</b>	<b>-4.0</b>					

# Room Checksums

By Trial

## 3- 3W-P-S-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.2	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	5,318	0	5,318	69	5,318	93	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-187	0	-187	-2	-187	-3	-1,551	19.36	-1,551	-1,551	19.36	Diffuser	301	177
Wall Cond	89	39	128	2	89	2	-144	2.59	-144	-208	2.59	Terminal	301	177
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	301	177
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-218		-218	-3	-93	-2	-817	10.20	-817	-817	10.20	AHU Vent	0	0
Sub Total ==>	5,003	39	5,042	66	5,127	90	-2,513	32.16	-2,513	-2,576	32.16	Infil	10	10
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	18	177
Lights	272	0	272	4	272	5	0	0.00	0	0	0.00	Return	311	188
People	279	0	279	4	155	3	0	0.00	0	0	0.00	Exhaust	10	10
Misc	128	0	128	2	128	2	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	679	0	679	9	555	10	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Lights	272	0	272	4	272	5	0	0.00	0	0	0.00	Leakage Ups	0	0
People	279	0	279	4	155	3	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Misc	128	0	128	2	128	2	0	0.00	0	0	0.00	% OA	0.0	0.0
Sub Total ==>	679	0	679	9	555	10	0	0.00	0	0	0.00	cfm/ft²	3.39	2.00
<b>Ventilation Load</b>				<b>Ventilation Load</b>								cfm/ton	470.41	
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	138.77	
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,214	27.64	-2,214	-2,214	27.64	Btu/hr-ft²	86.47	-90.31
Ov/Undr Sizing	1,666		1,666	22	0	0	4	-0.06	4	4	-0.06	No. People	0.6	7.0/1000 ft²
Exhaust Heat		-2	-2	0			0	0.00	0	0	0.00			
Sup. Fan Heat			285	4			0	0.00	0	0	0.00			
Ret. Fan Heat		0	0	0			0	0.00	0	0	0.00			
Duct Heat Pkup		0	0	0			-3,195	39.88	-3,195	-3,195	39.88			
Underflr Sup Ht Pkup		0	0	0			-29	0.37	-29	-29	0.37			
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
Grand Total ==>	7,353	31	7,670	100.00	5,688	100.00	-4,738	100.00	-4,738	-8,010	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9	Floor	89	-8.0	177	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.7</b>									Roof	0	0	0	0.0	0.0
											Wall	92	48	52	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>	<b>-8.0</b>	<b>-8.0</b>	<b>177</b>	<b>54.4</b>	<b>95.0</b>

# Room Checksums

By Trial

3- 3W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	39,885	0	39,885	69	39,885	93	0	0.00	0	0	0.00	Diffuser	2,255	1,331
Glass/Door Cond	-1,399	0	-1,399	-2	-1,399	-3	-11,633	19.36	-11,633	-11,633	19.36	Terminal	2,255	1,331
Wall Cond	667	293	960	2	667	2	-1,083	2.59	-1,083	-1,558	2.59	Main Fan	2,255	1,331
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-1,633	0	-1,633	-3	-699	-2	-6,130	10.20	-6,130	-6,130	10.20	Infil	77	77
Sub Total ==>	37,520	293	37,813	66	38,454	90	-18,846	32.16	-18,846	-19,321	32.16	MinStop/Rh	133	1,331
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,332	1,407
Lights	2,043	0	2,043	4	2,043	5	0	0.00	0	0	0.00	Exhaust	77	77
People	2,093	0	2,093	4	1,163	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	959	0	959	2	959	2	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	5,096	0	5,096	9	4,166	10	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	42	-42	0	0	42	0	-83	0.00	-83	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	3.39	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	470.41	
<b>Ov/Undr Sizing</b>	12,492	0	12,492	22	0	0	-16,607	27.64	-16,607	-16,607	27.64	ft²/ton	138.77	
<b>Exhaust Heat</b>	0	-17	-17	0	0	0	33	-0.06	33	-0.06	-0.06	Btu/hr-ft²	86.47	-90.31
<b>Sup. Fan Heat</b>	0	0	0	0	2,138	4	0	0.00	0	0	0.00	No. People	4.7	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	55,151	233	57,522	100.00	42,662	100.00	-35,535	100.00	-35,535	-60,077	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
<b>Main Clg</b>	4.8	57.5	57.5	2,255	72.5	59.8	56.6	54.4	50.6	48.9	Floor	665		<b>Main Htg</b>	-60.1	1,331	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		<b>Preheat</b>	0.0	0	0.0	0.0
<b>Total</b>	4.8	57.5									ExFlr	0		<b>Reheat</b>	-25.0	1,331	54.2	71.0
											Roof	0	0	<b>Humidif</b>	0.0	0	0.0	0.0
											Wall	694	358	<b>Opt Vent</b>	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-60.1			

# Room Checksums

By Trial

## 3- 3W-P-S-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	Cooling		Heating			
Skylite Cond	0	0	0	0	0	0	0	0.00	Diffuser	301	177			
Roof Cond	0	0	0	0	0	0	0	0.00	Terminal	301	177			
Glass Solar	5,318	0	5,318	69	5,318	93	0	0.00	Main Fan	301	177			
Glass/Door Cond	-187	0	-187	-2	-187	-3	-1,551	19.36	Sec Fan	0	0			
Wall Cond	89	39	128	2	89	2	-144	2.59	Nom Vent	0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	AHU Vent	0	0			
Floor	0	0	0	0	0	0	0	0.00	Infil	10	10			
Adjacent Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh	18	177			
Infiltration	-218		-218	-3	-93	-2	-817	10.20	Return	311	188			
Sub Total ==>	5,003	39	5,042	66	5,127	90	-2,513	32.16	Exhaust	10	10			
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	272	0	272	4	272	5	0	0.00	% OA	0.0	0.0			
People	279	0	279	4	155	3	0	0.00	cfm/ft²	3.39	2.00			
Misc	128	0	128	2	128	2	0	0.00	cfm/ton	470.41				
Sub Total ==>	679	0	679	9	555	10	0	0.00	ft²/ton	138.77				
Ceiling Load	6	-6	0	0	6	0	-11	0.00	Btu/hr-ft²	86.47	-90.31			
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People	0.6	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00						
Dehumid. Ov Sizing			0	0			-2,214	27.64						
Ov/Undr Sizing	1,666		1,666	22	0	0	4	-0.06						
Exhaust Heat		-2	-2	0			0	0.00						
Sup. Fan Heat			285	4			0	0.00						
Ret. Fan Heat		0	0	0			-3,195	39.88						
Duct Heat Pkup		0	0	0			-29	0.37						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	<b>7,353</b>	<b>31</b>	<b>7,670</b>	<b>100.00</b>	<b>5,688</b>	<b>100.00</b>	<b>-4,738</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.6	48.9	Floor	89		Main Htg	-8.0	177	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.3	177	54.2	71.0	
<b>Total</b>	<b>0.6</b>	<b>7.7</b>									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	92	48	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-8.0</b>			

# Room Checksums

By Trial

## 3- 3W-P-SW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.4	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	4,015	0	4,015	76	4,015	83	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	56	0	56	1	56	1	-1,208	14.35	-1,208	-1,208	14.35	Diffuser	257	187
Wall Cond	142	46	188	4	142	3	-197	3.09	-197	-261	3.09	Terminal	257	187
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	257	187
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	50	0	50	1	44	1	-859	10.20	-859	-859	10.20	AHU Vent	0	0
Sub Total ==>	4,263	46	4,309	82	4,257	88	-2,264	27.64	-2,264	-2,328	27.64	Infil	11	11
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	19	187
Lights	286	0	286	5	286	6	0	0.00	0	0	0.00	Return	267	197
People	293	0	293	6	163	3	0	0.00	0	0	0.00	Exhaust	11	11
Misc	138	0	138	3	138	3	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	718	0	718	14	588	12	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-11	0	0	11	0	-12	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,705	32.13	-2,705	-2,705	32.13	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	5	-0.06	cfm/ft²	2.75	2.00
Exhaust Heat	0	-5	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	584.94	
Sup. Fan Heat	0	0	243	5	0	0	0	0.00	0	0	0.00	ft²/ton	212.49	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-3,359	39.88	Btu/hr-ft²	56.47	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-34	0.40	No. People	0.7	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>4,992</b>	<b>30</b>	<b>5,266</b>	<b>100.00</b>	<b>4,856</b>	<b>100.00</b>	<b>-4,981</b>	<b>100.00</b>	<b>-4,981</b>	<b>-8,421</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.4	5.3	5.1	257	72.7	59.9	56.6	54.4	52.6	56.2	Floor	93		-8.4	187	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.5	187	54.2	71.0	
<b>Total</b>	<b>0.4</b>	<b>5.3</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	93	37	40	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
											<b>Total</b>			<b>-8.4</b>				

# Room Checksums

By Trial

### 3- 3W-P-SW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design			
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00
Glass Solar	8,029	0	8,029	76	8,029	83	0	0.00	0	0	0.00
Glass/Door Cond	113	0	113	1	113	1	-2,416	14.35	-2,416	-2,416	14.35
Wall Cond	284	92	376	4	284	3	-393	3.09	-393	-521	3.09
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00
Infiltration	100	0	100	1	88	1	-1,718	10.20	-1,718	-1,718	10.20
<b>Sub Total ==&gt;</b>	<b>8,526</b>	<b>92</b>	<b>8,618</b>	<b>82</b>	<b>8,514</b>	<b>88</b>	<b>-4,528</b>	<b>27.64</b>	<b>-4,528</b>	<b>-4,656</b>	<b>27.64</b>
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>			
Lights	573	0	573	5	573	6	0	0.00	0	0	0.00
People	587	0	587	6	326	3	0	0.00	0	0	0.00
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00
<b>Sub Total ==&gt;</b>	<b>1,437</b>	<b>0</b>	<b>1,437</b>	<b>14</b>	<b>1,176</b>	<b>12</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Ceiling Load</b>	<b>22</b>	<b>-22</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>-23</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-5,411</b>	<b>32.13</b>	<b>-5,411</b>	<b>-5,411</b>	<b>32.13</b>
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>-0.06</b>	<b>9</b>	<b>9</b>	<b>-0.06</b>
<b>Exhaust Heat</b>	<b>0</b>	<b>-9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>487</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-67</b>	<b>0.40</b>	<b>-67</b>	<b>-67</b>	<b>0.40</b>
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
<b>Grand Total ==&gt;</b>	<b>9,985</b>	<b>61</b>	<b>10,532</b>	<b>100.00</b>	<b>9,712</b>	<b>100.00</b>	<b>-9,962</b>	<b>100.00</b>	<b>-9,962</b>	<b>-16,842</b>	<b>100.00</b>

	Cooling	Heating
<b>SADB</b>	55.0	95.0
<b>Ra Plenum</b>	72.4	70.6
<b>Return</b>	72.4	70.6
<b>Ret/OA</b>	72.4	70.6
<b>Fn MtrTD</b>	0.1	0.0
<b>Fn BldTD</b>	0.2	0.0
<b>Fn Frict</b>	0.6	0.0

	Cooling	Heating
<b>AIRFLOWS</b>		
<b>Diffuser</b>	513	373
<b>Terminal</b>	513	373
<b>Main Fan</b>	513	373
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	21	21
<b>MinStop/Rh</b>	37	373
<b>Return</b>	535	394
<b>Exhaust</b>	21	21
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

	Cooling	Heating
<b>ENGINEERING CKS</b>		
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.75	2.00
<b>cfm/ton</b>	584.94	
<b>ft²/ton</b>	212.49	
<b>Btu/hr-ft²</b>	56.47	-90.31
<b>No. People</b>	1.3	7.0/1000 ft²

	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.9	10.5	10.3	513	72.7	59.9	56.6	54.4	52.6	56.2
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.9	10.5								

	AREAS		
	Gross Total	Glass ft²	(%)
<b>Floor</b>	187		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	187	74	40
<b>Ext Door</b>	0	0	0

	HEATING COIL SELECTION			
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
<b>Main Htg</b>	-16.8	373	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-7.0	373	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-16.8			

# Room Checksums

By Trial

3- 3W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES																																													
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design			Cooling	Heating																																														
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1			SADB	55.0	95.0																																													
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ra Plenum	72.4	70.6																																													
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	72.4	70.6																																													
Envelope Loads				Envelope Loads							Fn MtrTD	0.1	0.0																																											
Skylite Solar	0	0	0	0	0	0	0	0.00	Fn BldTD	0.2	0.0																																													
Skylite Cond	0	0	0	0	0	0	0	0.00	Fn Frict	0.6	0.0																																													
Roof Cond	0	0	0	0	0	0	0	0.00	<b>AIRFLOWS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Cooling</th> <th>Heating</th> </tr> </thead> <tbody> <tr> <td>Diffuser</td> <td>3,851</td> <td>2,798</td> </tr> <tr> <td>Terminal</td> <td>3,851</td> <td>2,798</td> </tr> <tr> <td>Main Fan</td> <td>3,851</td> <td>2,798</td> </tr> <tr> <td>Sec Fan</td> <td>0</td> <td>0</td> </tr> <tr> <td>Nom Vent</td> <td>0</td> <td>0</td> </tr> <tr> <td>AHU Vent</td> <td>0</td> <td>0</td> </tr> <tr> <td>Infil</td> <td>161</td> <td>161</td> </tr> <tr> <td>MinStop/Rh</td> <td>280</td> <td>2,798</td> </tr> <tr> <td>Return</td> <td>4,012</td> <td>2,958</td> </tr> <tr> <td>Exhaust</td> <td>161</td> <td>161</td> </tr> <tr> <td>Rm Exh</td> <td>0</td> <td>0</td> </tr> <tr> <td>Auxiliary</td> <td>0</td> <td>0</td> </tr> <tr> <td>Leakage Dwn</td> <td>0</td> <td>0</td> </tr> <tr> <td>Leakage Ups</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				Cooling	Heating	Diffuser	3,851	2,798	Terminal	3,851	2,798	Main Fan	3,851	2,798	Sec Fan	0	0	Nom Vent	0	0	AHU Vent	0	0	Infil	161	161	MinStop/Rh	280	2,798	Return	4,012	2,958	Exhaust	161	161	Rm Exh	0	0	Auxiliary	0	0	Leakage Dwn	0	0	Leakage Ups	0	0
	Cooling	Heating																																																						
Diffuser	3,851	2,798																																																						
Terminal	3,851	2,798																																																						
Main Fan	3,851	2,798																																																						
Sec Fan	0	0																																																						
Nom Vent	0	0																																																						
AHU Vent	0	0																																																						
Infil	161	161																																																						
MinStop/Rh	280	2,798																																																						
Return	4,012	2,958																																																						
Exhaust	161	161																																																						
Rm Exh	0	0																																																						
Auxiliary	0	0																																																						
Leakage Dwn	0	0																																																						
Leakage Ups	0	0																																																						
Glass Solar	60,226	0	60,226	76	60,226	83	0	0.00																																																
Glass/Door Cond	845	0	845	1	845	1	-18,124	14.35																																																
Wall Cond	2,131	691	2,822	4	2,131	3	-2,951	3.10																																																
Partition/Door	0	0	0	0	0	0	0	0.00																																																
Floor	0	0	0	0	0	0	0	0.00																																																
Adjacent Floor	0	0	0	0	0	0	0	0.00																																																
Infiltration	746	0	746	1	661	1	-12,889	10.20																																																
Sub Total ==>	63,947	691	64,639	82	63,862	88	-33,963	27.65																																																
Internal Loads				Internal Loads																																																				
Lights	4,297	0	4,297	5	4,297	6	0	0.00																																																
People	4,402	0	4,402	6	2,445	3	0	0.00																																																
Misc	2,077	0	2,077	3	2,077	3	0	0.00																																																
Sub Total ==>	10,775	0	10,775	14	8,819	12	0	0.00																																																
Ceiling Load	168	-168	0	0	168	0	-174	0.00																																																
Ventilation Load	0	0	0	0	0	0	0	0.00																																																
Adj Air Trans Heat	0	0	0	0	0	0	0	0																																																
Dehumid. Ov Sizing	0	0	0	0	0	0	-40,579	32.13																																																
Ov/Undr Sizing	0	0	0	0	0	0	70	-0.06																																																
Exhaust Heat	0	-68	-68	0	0	0	0	0.00																																																
Sup. Fan Heat	0	0	3,651	5	0	0	0	0.00																																																
Ret. Fan Heat	0	0	0	0	0	0	-50,381	39.88																																																
Duct Heat Pkup	0	0	0	0	0	0	-505	0.40																																																
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00																																																
Supply Air Leakage	0	0	0	0	0	0	0	0.00																																																
Grand Total ==>	74,890	455	78,997	100.00	72,848	100.00	-74,716	100.00																																																

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	6.6	79.0	77.0	3,851	72.7	59.9	56.6	54.4	52.6	56.2	Floor	1,399		Main Htg	-126.3	2,798	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-52.5	2,798	54.2	71.0	
Total	6.6	79.0									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	1,399	558	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-126.3			

# Room Checksums

By Trial

## 3- 3W-P-SW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>					
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Diffuser	513	373			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Terminal	513	373			
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	Main Fan	513	373			
Glass Solar	8,029	0	8,029	76	83	Glass Solar	0	0.00	Glass Solar	0	0.00	Sec Fan	0	0			
Glass/Door Cond	113	0	113	1	1	Glass/Door Cond	-2,416	14.35	Glass/Door Cond	-2,416	14.35	Nom Vent	0	0			
Wall Cond	284	92	376	4	3	Wall Cond	-393	3.09	Wall Cond	-521	3.09	AHU Vent	0	0			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Infil	21	21			
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	MinStop/Rh	37	373			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	Return	535	394			
Infiltration	100	100	1	88	1	Infiltration	-1,718	10.20	Infiltration	-1,718	10.20	Exhaust	21	21			
Sub Total ==>	8,526	92	8,618	82	88	Sub Total ==>	-4,528	27.64	Sub Total ==>	-4,528	27.64	Rm Exh	0	0			
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>					
Lights	573	0	573	5	6	Lights	0	0.00	Lights	0	0.00	% OA	0.0	0.0			
People	587	0	587	6	3	People	0	0.00	People	0	0.00	cfm/ft²	2.75	2.00			
Misc	277	0	277	3	3	Misc	0	0.00	Misc	0	0.00	cfm/ton	584.94				
Sub Total ==>	1,437	0	1,437	14	12	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	ft²/ton	212.49				
Ceiling Load	22	-22	0	0	0	Ceiling Load	-23	0.00	Ceiling Load	-23	0.00	Btu/hr-ft²	56.47	-90.31			
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	No. People	1.3	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing			0	0	0	Ov/Undr Sizing	-5,411	32.13	Ov/Undr Sizing	-5,411	32.13						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	9	-0.06	Exhaust Heat	9	-0.06						
Exhaust Heat		-9	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00						
Sup. Fan Heat			487	5	5	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00						
Ret. Fan Heat		0	0	0	0	Additional Reheat		-6,717	39.88	Additional Reheat		-6,717	39.88				
Duct Heat Pkup		0	0	0	0	System Plenum Heat		-67	0.40	System Plenum Heat		-67	0.40				
Underflr Sup Ht Pkup		0	0	0	0	Underflr Sup Ht Pkup		0	0.00	Underflr Sup Ht Pkup		0	0.00				
Supply Air Leakage		0	0	0	0	Supply Air Leakage		0	0.00	Supply Air Leakage		0	0.00				
<b>Grand Total ==&gt;</b>	<b>9,985</b>	<b>61</b>	<b>10,532</b>	<b>100.00</b>	<b>9,712</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-9,962</b>	<b>-16,842</b>	<b>100.00</b>							

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.9	10.5	10.3	513	72.7	59.9	56.6	54.4	52.6	56.2	Floor	187							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0							
											ExFlr	0							
<b>Total</b>	<b>0.9</b>	<b>10.5</b>									Roof	0	0	0					
											Wall	187	74	40					
											Ext Door	0	0	0					
											<b>Total</b>	<b>-16.8</b>							



# Room Checksums

By Trial

4- 4E-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design					Cooling		Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1					SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total (%)	Space Sens	Tot Sens	Percent Of Total (%)	Return	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling		Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	3,853	3,853
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	3,853	3,853
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	3,853	3,853
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	9,480		9,480	34	2,959	19	-17,752	10.20	-17,752	-17,752	10.20	AHU Vent	0	0
Sub Total ==>	9,480	0	9,480	34	2,959	19	-17,752	10.20	-17,752	-17,752	10.20	Infil	222	222
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	385	3,853
Lights	5,918	0	5,918	21	5,918	38	0	0.00	0	0	0.00	Return	4,075	4,075
People	6,063	0	6,063	22	3,368	22	0	0.00	0	0	0.00	Exhaust	222	222
Misc	2,860	0	2,860	10	2,860	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	14,841	0	14,841	53	12,146	79	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-341	0	0	341	2	-239	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing			0	0			0	0.00	-84,920	-84,920	48.81	% OA	0.0	0.0
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	97	-0.06	cfm/ft²	2.00	2.00
Exhaust Heat		-138	-138	0			0	0.00	0	0	0.00	cfm/ton	1,661.03	
Sup. Fan Heat			3,653	13			0	0.00	0	0	0.00	ft²/ton	830.52	
Ret. Fan Heat		0	0	0			0	0.00	-69,393	39.88		Btu/hr-ft²	14.45	-90.31
Duct Heat Pkup		0	0	0			0	0.00	-2,017	1.16		No. People	13.5	7.0/1000 ft²
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00			
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>24,662</b>	<b>-478</b>	<b>27,837</b>	<b>100.00</b>	<b>15,446</b>	<b>100.00</b>	<b>-102,912</b>	<b>100.00</b>	<b>-173,986</b>	<b>-173,986</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR		Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvq °F		
	ton	MBh			°F	°F	gr/lb	°F	°F							gr/lb	
Main Clg	2.3	27.8	18.6	3,853	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,927	Main Htg	-174.0	3,853	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-72.3	3,853	54.2	71.0
<b>Total</b>	<b>2.3</b>	<b>27.8</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-174.0</b>			

# Room Checksums

By Trial

**4- 4E-I-MS**

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h				
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	0	0	0	0	0	0	0.00	Roof Cond	0	0	0.00		
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00		
Wall Cond	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00		
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	6,320		6,320	34	1,972	19	-11,835	10.20	Infiltration	-11,835	-11,835	10.20		
Sub Total ==>	6,320	0	6,320	34	1,972	19	-11,835	10.20	Sub Total ==>	-11,835	-11,835	10.20		
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	3,945	0	3,945	21	3,945	38	0	0.00	Lights	0	0	0.00		
People	4,042	0	4,042	22	2,245	22	0	0.00	People	0	0	0.00		
Misc	1,907	0	1,907	10	1,907	19	0	0.00	Misc	0	0	0.00		
Sub Total ==>	9,894	0	9,894	53	8,098	79	0	0.00	Sub Total ==>	0	0	0.00		
Ceiling Load	227	-227	0	0	227	2	-160	0.00	Ceiling Load	-160	0	0.00		
Ventilation Load	0	0	0	0	0	0	0	0.00	Ventilation Load	0	0	0.00		
Adj Air Trans Heat	0		0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing			0	0			-56,613	48.81	Ov/Undr Sizing	-56,613	-56,613	48.81		
Ov/Undr Sizing	0		0	0	0	0	64	-0.06	Exhaust Heat	64	0	-0.06		
Exhaust Heat		-92	-92	0			0	0.00	OA Preheat Diff.	0	0	0.00		
Sup. Fan Heat			2,436	13			0	0.00	RA Preheat Diff.	0	0	0.00		
Ret. Fan Heat		0	0	0			-46,262	39.88	Additional Reheat	-46,262	0	39.88		
Duct Heat Pkup		0	0	0			-1,345	1.16	System Plenum Heat	-1,345	0	1.16		
Underflr Sup Ht Pkup			0	0			0	0.00	Underflr Sup Ht Pkup	0	0	0.00		
Supply Air Leakage		0	0	0			0	0.00	Supply Air Leakage	0	0	0.00		
<b>Grand Total ==&gt;</b>	<b>16,441</b>	<b>-319</b>	<b>18,558</b>	<b>100.00</b>	<b>10,297</b>	<b>100.00</b>	<b>-68,608</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-68,608</b>	<b>-115,990</b>	<b>100.00</b>		

AIRFLOWS				
	Cooling	Heating		
Diffuser	2,569	2,569		
Terminal	2,569	2,569		
Main Fan	2,569	2,569		
Sec Fan	0	0		
Nom Vent	0	0		
AHU Vent	0	0		
Infil	148	148		
MinStop/Rh	257	2,569		
Return	2,717	2,717		
Exhaust	148	148		
Rm Exh	0	0		
Auxiliary	0	0		
Leakage Dwn	0	0		
Leakage Ups	0	0		

ENGINEERING CKS			
	Cooling	Heating	
% OA	0.0	0.0	
cfm/ft²	2.00	2.00	
cfm/ton	1,661.03		
ft²/ton	830.52		
Btu/hr-ft²	14.45	-90.31	
No. People	9.0	7.0/1000 ft²	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.6	18.6	12.4	2,569	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.6</b>	<b>18.6</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,284		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
	MBh	cfm	°F	°F
Main Htg	-116.0	2,569	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-48.2	2,569	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-116.0</b>			

# Room Checksums

By Trial

4- 4E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6	
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0	
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	19,266	19,266	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	19,266	19,266	
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	19,266	19,266	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0	
Infiltration	47,401	47,401	34	14,794	19	-88,761	-88,761	10.20	-88,761	-88,761	10.20	Infil	1,108	1,108	
Sub Total ==>	47,401	47,401	34	14,794	19	Sub Total ==>	-88,761	-88,761	10.20	Sub Total ==>	-88,761	10.20	MinStop/Rh	1,927	19,266
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	20,374	20,374	
Lights	29,590	0	29,590	21	29,590	38	0	0.00	0	0	0.00	Exhaust	1,108	1,108	
People	30,314	0	30,314	22	16,841	22	0	0.00	0	0	0.00	Rm Exh	0	0	
Misc	14,302	0	14,302	10	14,302	19	0	0.00	0	0	0.00	Auxiliary	0	0	
Sub Total ==>	74,205	0	74,205	53	60,732	79	Sub Total ==>	0	0	0	0.00	Leakage Dwn	0	0	
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0	
Ceiling Load	1,703	-1,703	0	0	1,703	2	Ceiling Load	-1,196	0	0.00	<b>ENGINEERING CKS</b>				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	% OA	0.0	0.0		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00	cfm/ft²	2.00	2.00		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-424,601	-424,601	48.81	cfm/ton	1,661.03			
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	483	-0.06		ft²/ton	830.52			
Exhaust Heat	-688	-688	0	0	0	0	OA Preheat Diff.	0	0.00		Btu/hr-ft²	14.45	-90.31		
Sup. Fan Heat	18,267	18,267	13	13	13	13	RA Preheat Diff.	0	0.00		No. People	67.4	7.0/1000 ft²		
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-346,965	39.88						
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-10,084	1.16						
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	123,310	-2,391	139,186	100.00	77,229	100.00	Grand Total ==>	-514,559	-869,929	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	11.6	139.2	93.1	19,266	72.8	59.9	56.6	54.4	52.7	56.6	Floor	9,633	-869.9	19,266	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	-361.3	19,266	54.2	71.0
<b>Total</b>	<b>11.6</b>	<b>139.2</b>									Roof	0	0.0	0	0.0	0.0
											Wall	0	0.0	0	0.0	0.0
											Ext Door	0	0.0	0	0.0	0.0
											<b>Total</b>	<b>-869.9</b>				

# Room Checksums

By Trial

4- 4E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	Of Total	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>			<b>AIRFLOWS</b>					
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Cooling			Heating				
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Diffuser	1,724	1,724	Terminal	1,724	1,724		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan	1,724	1,724	Sec Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Adj Air Trans Heat	0	0	Nom Vent	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	AHU Vent	0	0	Infil	99	99		
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	MinStop/Rh	172	1,724	Return	1,823	1,823		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Exhaust	99	99	Rm Exh	0	0		
Floor	0	0	0	0	0	Floor	0	0.00	Auxiliary	0	0	Leakage Dwn	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Leakage Ups	0	0	<b>ENGINEERING CKS</b>				
Infiltration	4,240	4,240	34	1,323	19	Infiltration	-7,940	10.20	% OA	0.0	0.0	% OA	0.0	0.0		
Sub Total ==>	4,240	0	4,240	34	1,323	19	Sub Total ==>	-7,940	10.20	cfm/ft²	2.00	2.00	cfm/ton	1,661.03	2.00	
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>			ft²/ton	830.51	0.00	Btu/hr-ft²	14.45	-90.31
Lights	2,647	0	2,647	21	2,647	38	Lights	0	0.00	No. People	6.0	7.0/1000 ft²				
People	2,712	0	2,712	22	1,507	22	People	0	0.00							
Misc	1,279	0	1,279	10	1,279	19	Misc	0	0.00							
Sub Total ==>	6,638	0	6,638	53	5,433	79	Sub Total ==>	0	0.00							
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>								
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00								
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0								
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-37,984	48.81								
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	43	-0.06								
Exhaust Heat	-62	-62	0	0	0	OA Preheat Diff.	0	0.00								
Sup. Fan Heat	1,634	1,634	13	0	0	RA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-31,039	39.88								
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-902	1.16								
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00								
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00								
<b>Grand Total ==&gt;</b>	<b>11,031</b>	<b>-214</b>	<b>12,451</b>	<b>100.00</b>	<b>6,909</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-46,031</b>	<b>-77,822</b>	<b>100.00</b>						

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.0	12.5	8.3	1,724	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.0</b>	<b>12.5</b>								

AREAS			
	Gross Total	Glass	ft² (%)
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvq °F
Main Htg	-77.8	1,724	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-32.3	1,724	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-77.8</b>			

# Room Checksums

By Trial

4- 4E-P-NE-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Space Peak Btu/h	Coil Peak Btu/h	Percent Of Total (%)	Space Sens Btu/h	Coil Peak Btu/h	Percent Of Total (%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	345	345
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	345	345
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	345	345
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	848	0	848	34	265	19	-1,588	10.20	-1,588	-1,588	10.20	AHU Vent	0	0
Sub Total ==>	848	0	848	34	265	19	-1,588	10.20	-1,588	-1,588	10.20	Infil	20	20
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	34	345
Lights	529	0	529	21	529	38	0	0.00	0	0	0.00	Return	365	365
People	542	0	542	22	301	22	0	0.00	0	0	0.00	Exhaust	20	20
Misc	256	0	256	10	256	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	1,328	0	1,328	53	1,087	79	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	30	-30	0	0	30	2	-21	0.00	-21	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-7,597	48.81	-7,597	-7,597	48.81	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	9	-0.06	cfm/ft²	2.00	2.00
Exhaust Heat	0	-12	-12	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,661.02	
Sup. Fan Heat	0	0	327	13	0	0	0	0.00	0	0	0.00	ft²/ton	830.51	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-6,208	-6,208	39.88	Btu/hr-ft²	14.45	-90.31
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	-180	-180	1.16	No. People	1.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>2,206</b>	<b>-43</b>	<b>2,490</b>	<b>100.00</b>	<b>1,382</b>	<b>100.00</b>	<b>-9,206</b>	<b>100.00</b>	<b>-15,564</b>	<b>-15,564</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.2	2.5	1.7	345	72.8	59.9	56.6	54.4	52.7	56.6	Floor	172		Main Htg	-15.6	345	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.2</b>	<b>2.5</b>									ExFlr	0		Reheat	-6.5	345	54.2	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-15.6</b>			

# Room Checksums

By Trial

## 4- 4E-P-NE-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	230	230
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	230	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	230	230
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	565	565	34	176	19	-1,059	-1,059	10.20	-1,059	-1,059	10.20				AHU Vent	0	0
Sub Total ==>	565	565	34	176	19	-1,059	-1,059	10.20	-1,059	-1,059	10.20				Infil	13	13
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	23	230
Lights	353	353	21	353	38	0	0	0.00	0	0	0.00	Return	243	243			
People	362	362	22	201	22	0	0	0.00	0	0	0.00	Exhaust	13	13			
Misc	171	171	10	171	19	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	885	885	53	724	79	0	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	0	0	0	0	-14	0	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	-5,064	-5,064	48.81	6	-0.06	% OA				0.0	0.0	
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				cfm/ft²	2.00	2.00
Sup. Fan Heat	0	218	13	0	0	0	0	0.00	0	0	0.00				cfm/ton	1,661.02	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				ft²/ton	830.51	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	-4,139	39.88	Btu/hr-ft²				14.45	-90.31	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	-120	1.16	No. People				0.8	7.0/1000 ft²	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	1,471	1,660	100.00	921	100.00	-6,137	-10,376	100.00	-6,137	-10,376	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.1	1.7	1.1	230	72.8	59.9	56.6	54.4	52.7	56.6	Floor	115	Main Htg	-10.4	230	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-4.3	230	54.2	71.0
<b>Total</b>	<b>0.1</b>	<b>1.7</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-10.4			

# Room Checksums

By Trial

## 4- 4E-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,189	1,189
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,189	1,189
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,189	1,189
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,925	2,925	34	913	19	-5,477	-5,477	10.20	-5,477	-5,477	10.20	Infil	68	68
Sub Total ==>	2,925	0	2,925	34	913	-5,477	-5,477	10.20	-5,477	-5,477	10.20	MinStop/Rh	119	1,189
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,257	1,257
Lights	1,826	0	1,826	21	1,826	0	0	0.00	0	0	0.00	Exhaust	68	68
People	1,871	0	1,871	22	1,039	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	883	0	883	10	883	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,579	0	4,579	53	3,748	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	105	-105	0	0	105	-74	0	0.00	-74	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	-26,202	-26,202	48.81	-26,202	-26,202	48.81	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	30	-0.06	0	0	0.00	cfm/ton	1,661.03	
Exhaust Heat	0	-42	-42	0	0	0	0	0.00	0	0	0.00	ft²/ton	830.51	
Sup. Fan Heat	0	1,127	13	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	14.45	-90.31
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.2	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>7,609</b>	<b>-148</b>	<b>8,589</b>	<b>100.00</b>	<b>4,766</b>	<b>-31,753</b>	<b>-53,683</b>	<b>100.00</b>	<b>-31,753</b>	<b>-53,683</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.7	8.6	5.8	1,189	72.8	59.9	56.6	54.4	52.7	56.6	Floor	594		Main Htg	-53.7	1,189	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-22.3	1,189	54.2	71.0
<b>Total</b>	<b>0.7</b>	<b>8.6</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-53.7</b>			

# Room Checksums

By Trial

4- 4E-P-NW-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	0	0	0	0	0	0	0.00	Roof Cond	0	0	0.00		
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00		
Wall Cond	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00		
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	1,950		34	609	19	-3,652	-3,652	10.20	Infiltration	-3,652	-3,652	10.20		
<b>Sub Total ==&gt;</b>	<b>1,950</b>	<b>0</b>	<b>34</b>	<b>609</b>	<b>19</b>	<b>-3,652</b>	<b>-3,652</b>	<b>10.20</b>	<b>Sub Total ==&gt;</b>	<b>-3,652</b>	<b>-3,652</b>	<b>10.20</b>		
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,217	0	21	1,217	38	0	0	0.00	Lights	0	0	0.00		
People	1,247	0	22	693	22	0	0	0.00	People	0	0	0.00		
Misc	588	0	10	588	19	0	0	0.00	Misc	0	0	0.00		
<b>Sub Total ==&gt;</b>	<b>3,053</b>	<b>0</b>	<b>53</b>	<b>2,499</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0</b>	<b>0.00</b>		
Ceiling Load	70	-70	0	70	2	-49	0	0.00	Ceiling Load	-49	0	0.00		
Ventilation Load	0	0	0	0	0	0	0	0.00	Ventilation Load	0	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing			0			-17,468	-17,468	48.81	Ov/Undr Sizing	-17,468	-17,468	48.81		
Ov/Undr Sizing	0		0	0	0	20	-0.06		Exhaust Heat	20	-0.06			
Exhaust Heat		-28	0			0	0.00		OA Preheat Diff.	0	0.00			
Sup. Fan Heat			13	752	13	0	0.00		RA Preheat Diff.	0	0.00			
Ret. Fan Heat		0	0						Additional Reheat	-14,274	39.88			
Duct Heat Pkup		0	0						System Plenum Heat	-415	1.16			
Underflr Sup Ht Pkup		0	0						Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage		0	0						Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>5,073</b>	<b>-98</b>	<b>100.00</b>	<b>5,726</b>	<b>100.00</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-21,169</b>	<b>-35,789</b>	<b>100.00</b>		

AIRFLOWS		
	Cooling	Heating
Diffuser	793	793
Terminal	793	793
Main Fan	793	793
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	46	46
MinStop/Rh	79	793
Return	838	838
Exhaust	46	46
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,661.03	
ft²/ton	830.51	
Btu/hr-ft²	14.45	-90.31
No. People	2.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.5	5.7	3.8	793	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.5</b>	<b>5.7</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	396		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			°F	°F
Main Htg	-35.8	793	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-14.9	793	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-35.8</b>			





## Room Checksums

By Trial

4- 4E-P-SE-MS

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES																																						
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design																																											
Outside Air: OADB/WB/HR: 84 / 72 / 99					OADB: 84					OADB: -1																																											
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Cooling	Heating																																							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)																																										
<b>Envelope Loads</b>						<b>Envelope Loads</b>						<b>AIRFLOWS</b>																																									
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00				<b>AIRFLOWS</b>																																						
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00							<b>AIRFLOWS</b>																																			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00										<b>AIRFLOWS</b>																																
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00													<b>AIRFLOWS</b>																													
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00																<b>AIRFLOWS</b>																										
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00																			<b>AIRFLOWS</b>																							
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00																						<b>AIRFLOWS</b>																				
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00																									<b>AIRFLOWS</b>																	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00																												<b>AIRFLOWS</b>														
Infiltration	1,494		1,494	34	466	19	2,798	10.20	-2,798	-2,798	10.20																															<b>AIRFLOWS</b>											
<i>Sub Total ==&gt;</i>	1,494	0	1,494	34	466	19	-2,798	10.20	-2,798	-2,798	10.20																																		<b>AIRFLOWS</b>								
<b>Internal Loads</b>						<b>Internal Loads</b>																																										<b>AIRFLOWS</b>					
Lights	933	0	933	21	933	38	0	0.00	0	0	0.00																																								<b>AIRFLOWS</b>		
People	956	0	956	22	531	22	0	0.00	0	0	0.00																																										
Misc	451	0	451	10	451	19	0	0.00	0	0	0.00	<b>AIRFLOWS</b>																																									
<i>Sub Total ==&gt;</i>	2,339	0	2,339	53	1,915	79	0	0.00	0	0	0.00				<b>AIRFLOWS</b>																																						
<b>Ceiling Load</b>	54	-54	0	0	54	2	-38	0.00	0	0	0.00							<b>AIRFLOWS</b>																																			
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00										<b>AIRFLOWS</b>																																
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	0													<b>AIRFLOWS</b>																													
<b>Dehumid. Ov Sizing</b>			0	0			-13,386	48.81	-13,386	-13,386	48.81																<b>AIRFLOWS</b>																										
<b>Ov/Undr Sizing</b>	0		0	0	0	0	15	-0.06	0	15	-0.06																			<b>AIRFLOWS</b>																							
<b>Exhaust Heat</b>		-22	-22	0			0	0.00	0	0	0.00																						<b>AIRFLOWS</b>																				
<b>Sup. Fan Heat</b>			576	13			0	0.00	0	0	0.00																									<b>AIRFLOWS</b>																	
<b>Ret. Fan Heat</b>		0	0	0			-10,939	39.88		-10,939	39.88																												<b>AIRFLOWS</b>														
<b>Duct Heat Pkup</b>		0	0	0			-318	1.16		-318	1.16																															<b>AIRFLOWS</b>											
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00		0	0.00																																		<b>AIRFLOWS</b>								
<b>Supply Air Leakage</b>		0	0	0			0	0.00		0	0.00																																					<b>AIRFLOWS</b>					
<b>Grand Total ==&gt;</b>	3,888	-75	4,388	100.00	2,435	100.00	-16,222	100.00	-27,426	-27,426	100.00																																								<b>ENGINEERING CKS</b>		
<b>ENGINEERING CKS</b>																																																					
			<b>Cooling</b>			<b>Heating</b>																																															
% OA	0.0			0.0			0.0																																														
cfm/ft <sup>2</sup>	2.00			2.00																																																	
cfm/ton	1,661.03																																																				
ft <sup>2</sup> /ton	830.51																																																				
Btu/hr-ft <sup>2</sup>	14.45			-90.31																																																	
No. People	2.1			7.0/1000 ft <sup>2</sup>																																																	

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft <sup>2</sup>	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb									
<b>Main Clg</b>	0.4	4.4	2.9	607	72.8	59.9	56.6	54.4	52.7	56.6	<b>Floor</b>	304	<b>Main Htg</b>	-27.4	607	54.4	95.0		
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0	<b>Aux Htg</b>	0.0	0	0.0	0.0		
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0	<b>Preheat</b>	0.0	0	0.0	0.0		
											<b>ExFlr</b>	0	<b>Reheat</b>	-11.4	607	54.2	71.0		
<b>Total</b>	0.4	4.4									<b>Roof</b>	0	<b>Humidif</b>	0.0	0	0.0	0.0		
											<b>Wall</b>	0	<b>Opt Vent</b>	0.0	0	0.0	0.0		
											<b>Ext Door</b>	0	<b>Total</b>	-27.4					

**Room Checksums**

By Trial

**4- 4E-P-SE-00**

<b>COOLING COIL PEAK</b>				<b>CLG SPACE PEAK</b>				<b>HEATING COIL PEAK</b>			<b>TEMPERATURES</b>			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Space Peak Btu/h	Coil Peak Btu/h	Percent Of Total (%)	Return	Fn MtrTD	Fn BldTD	Fn Frict		
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>			<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	4,556	4,556	<b>Terminal</b>		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Main Fan	4,556	4,556	<b>Sec Fan</b>		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Nom Vent	0	0	<b>AHU Vent</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Infil	262	262	<b>MinStop/Rh</b>		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Return	4,817	4,817	<b>Return</b>		
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Exhaust	262	262	<b>Rm Exh</b>		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Auxiliary	0	0	<b>Leakage Dwn</b>		
Floor	0	0	0	0	0	Floor	0	0.00	Leakage Ups	0	0	<b>ENGINEERING CKS</b>		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	% OA	0.0	0.0	<b>% OA</b>		
Infiltration	11,208	11,208	34	3,498	19	Infiltration	-20,988	10.20	cfm/ft²	2.00	2.00	<b>cfm/ft²</b>		
Sub Total ==>	11,208	0	34	3,498	19	Sub Total ==>	-20,988	10.20	cfm/ton	1,661.03		<b>cfm/ton</b>		
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>			<b>ft²/ton</b>			
Lights	6,997	0	21	6,997	38	Lights	0	0.00	Btu/hr-ft²	14.45	-90.31	<b>Btu/hr-ft²</b>		
People	7,168	0	22	3,982	22	People	0	0.00	No. People	15.9	7.0/1000 ft²	<b>No. People</b>		
Misc	3,382	0	10	3,382	19	Misc	0	0.00						
Sub Total ==>	17,546	0	53	14,360	79	Sub Total ==>	0	0.00						
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>						
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing		0	0			Ov/Undr Sizing	-100,398	48.81						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	114	-0.06						
Exhaust Heat		-163	0			OA Preheat Diff.	0	0.00						
Sup. Fan Heat		4,319	13			RA Preheat Diff.	0	0.00						
Ret. Fan Heat		0	0			Additional Reheat	-82,041	39.88						
Duct Heat Pkup		0	0			System Plenum Heat	-2,384	1.16						
Underflr Sup Ht Pkup		0	0			Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage		0	0			Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	<b>29,157</b>	<b>-565</b>	<b>32,911</b>	<b>100.00</b>	<b>18,261</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-121,669</b>	<b>-205,697</b>	<b>100.00</b>				

<b>COOLING COIL SELECTION</b>						<b>AREAS</b>			<b>HEATING COIL SELECTION</b>			
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb	Leave DB/WB/HR °F °F gr/lb	Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
<b>Main Clg</b>	2.7	32.9	22.0	4,556	72.8 59.9	56.6	Floor	2,278	Main Htg	-205.7	4,556	54.4 95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0 0.0	0.0	Part	0	Aux Htg	0.0	0	0.0 0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0 0.0	0.0	Int Door	0	Preheat	0.0	0	0.0 0.0
							ExFlr	0	Reheat	-85.4	4,556	54.2 71.0
<b>Total</b>	2.7	32.9					Roof	0	Humidif	0.0	0	0.0 0.0
							Wall	0	Opt Vent	0.0	0	0.0 0.0
							Ext Door	0	<b>Total</b>	-205.7		

# Room Checksums

By Trial

4- 4E-P-W-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design				Cooling		Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1				SADB		95.0				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens		Return				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h		72.6		70.6		
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD		0.0		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	0	0		72.6		70.6		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	0	0		72.6		70.6		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	0	0		0.1		0.0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	0	0		0.2		0.0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	0	0		0.6		0.0		
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	0	0						
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	0	0						
Floor	0	0	0	0	0	Floor	0	0.00	0	0						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	0	0						
Infiltration	14,626		14,626	34	4,565	Infiltration	-27,387	10.20	-27,387	-27,387						
<b>Sub Total ==&gt;</b>	<b>14,626</b>	<b>0</b>	<b>14,626</b>	<b>34</b>	<b>4,565</b>	<b>Sub Total ==&gt;</b>	<b>-27,387</b>	<b>10.20</b>	<b>-27,387</b>	<b>-27,387</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>				
Lights	9,130	0	9,130	21	9,130	Lights	0	0.00	0	0		<b>Cooling</b>		<b>Heating</b>		
People	9,353	0	9,353	22	5,196	People	0	0.00	0	0		<b>Diffuser</b>	5,945	5,945		
Misc	4,413	0	4,413	10	4,413	Misc	0	0.00	0	0		<b>Terminal</b>	5,945	5,945		
<b>Sub Total ==&gt;</b>	<b>22,896</b>	<b>0</b>	<b>22,896</b>	<b>53</b>	<b>18,739</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>		<b>Main Fan</b>	5,945	5,945		
<b>Ceiling Load</b>	526	-526	0	0	526	<b>Ceiling Load</b>	-369	0.00	0	0		<b>Sec Fan</b>	0	0		
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	0	0		<b>Nom Vent</b>	0	0		
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	0		<b>AHU Vent</b>	0	0		
<b>Ov/Undr Sizing</b>			0	0		<b>Ov/Undr Sizing</b>	-131,010	48.81	-131,010	-131,010		<b>Infil</b>	342	342		
<b>Exhaust Heat</b>	0		0	0	0	<b>Exhaust Heat</b>		-0.06		149		<b>MinStop/Rh</b>	594	5,945		
<b>Sup. Fan Heat</b>		-212	-212	0		<b>OA Preheat Diff.</b>		0.00		0		<b>Return</b>	6,286	6,286		
<b>Ret. Fan Heat</b>			5,636	13		<b>RA Preheat Diff.</b>		0.00		0		<b>Exhaust</b>	342	342		
<b>Duct Heat Pkup</b>			0	0		<b>Additional Reheat</b>		39.88		-107,056		<b>Rm Exh</b>	0	0		
<b>Underflr Sup Ht Pkup</b>			0	0		<b>System Plenum Heat</b>		1.16		-3,111		<b>Auxiliary</b>	0	0		
<b>Supply Air Leakage</b>			0	0		<b>Underflr Sup Ht Pkup</b>		0.00		0		<b>Leakage Dwn</b>	0	0		
<b>Grand Total ==&gt;</b>	<b>38,047</b>	<b>-738</b>	<b>42,946</b>	<b>100.00</b>	<b>23,829</b>	<b>Grand Total ==&gt;</b>	<b>-158,766</b>	<b>100.00</b>	<b>-158,766</b>	<b>-268,415</b>		<b>Leakage Ups</b>	0	0		

<b>COOLING COIL SELECTION</b>										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	3.6	43.0	28.7	5,945	72.8	59.9	56.6	54.4	52.7	56.6
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	3.6	43.0								

<b>AREAS</b>			
	Gross Total	Glass	ft² (%)
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

<b>HEATING COIL SELECTION</b>				
	Capacity	Coil Airflow	Ent	Lvg
<b>Main Htg</b>	-268.4	5,945	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-111.5	5,945	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-268.4			

**Room Checksums**

By Trial

4- 4W-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ra Plenum	72.6	70.6	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Ret/OA	72.6	70.6		
<b>Envelope Loads</b>				<b>Envelope Loads</b>							Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Fn Frict	0.6	0.0		
Roof Cond	0	1,916	15	0	0	Roof Cond	-2,630	3.78					
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00					
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00					
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00					
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00					
Floor	0	0	0	0	0	Floor	0	0.00					
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00					
Infiltration	3,796	3,796	29	1,185	19	Infiltration	-7,108	10.20					
<i>Sub Total ==&gt;</i>	3,796	1,916	44	1,185	19	<i>Sub Total ==&gt;</i>	-7,108	13.98					
<b>Internal Loads</b>				<b>Internal Loads</b>									
Lights	2,370	0	18	2,370	38	Lights	0	0.00	<b>Diffuser</b>	1,543	1,543		
People	2,428	0	19	1,349	22	People	0	0.00	<b>Terminal</b>	1,543	1,543		
Misc	1,145	0	9	1,145	19	Misc	0	0.00	<b>Main Fan</b>	1,543	1,543		
<i>Sub Total ==&gt;</i>	5,943	0	45	4,864	79	<i>Sub Total ==&gt;</i>	0	0.00	<b>Sec Fan</b>	0	0		
<b>Ceiling Load</b>	136	-136	0	136	2	<b>Ceiling Load</b>	-96	0.00	<b>Nom Vent</b>	0	0		
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>AHU Vent</b>	0	0		
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Infil</b>	89	89		
<b>Dehumid. Ov Sizing</b>			0			<b>Ov/Undr Sizing</b>	-34,004	48.81	<b>MinStop/Rh</b>	154	1,543		
<b>Ov/Undr Sizing</b>	0		0	0	0	<b>Exhaust Heat</b>		-0.06	<b>Return</b>	1,632	1,632		
<b>Exhaust Heat</b>		-55	0			<b>OA Preheat Diff.</b>		0.00	<b>Exhaust</b>	89	89		
<b>Sup. Fan Heat</b>			1,463	11		<b>RA Preheat Diff.</b>		0.00	<b>Rm Exh</b>	0	0		
<b>Ret. Fan Heat</b>						<b>Additional Reheat</b>		39.88	<b>Auxiliary</b>	0	0		
<b>Duct Heat Pkup</b>						<b>System Plenum Heat</b>		-2.62	<b>Leakage Dwn</b>	0	0		
<b>Underflr Sup Ht Pkup</b>						<b>Underflr Sup Ht Pkup</b>		0.00	<b>Leakage Ups</b>	0	0		
<b>Supply Air Leakage</b>						<b>Supply Air Leakage</b>		0.00					
<b>Grand Total ==&gt;</b>	9,875	1,725	13,063	100.00	6,185	<b>Grand Total ==&gt;</b>	-41,208	100.00					

**AIRFLOWS**

	Cooling	Heating
Diffuser	1,543	1,543
Terminal	1,543	1,543
Main Fan	1,543	1,543
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	89	89
MinStop/Rh	154	1,543
Return	1,632	1,632
Exhaust	89	89
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

**ENGINEERING CKS**

	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,417.35	
ft²/ton	708.68	
Btu/hr-ft²	16.93	-90.31
No. People	5.4	7.0/1000 ft²

**COOLING COIL SELECTION**

	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.1	13.1	9.4	1,543	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.1</b>	<b>13.1</b>								

**AREAS**

	Gross Total	Glass ft² (%)
Floor	771	
Part	0	
Int Door	0	
ExFlr	0	
Roof	771	0 0
Wall	0	0 0
Ext Door	0	0 0

**HEATING COIL SELECTION**

	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			°F	°F
Main Htg	-69.7	1,543	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-28.9	1,543	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-69.7</b>			

# Room Checksums

By Trial

### 4- 4W-I-MS

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1						Cooling	Heating			
Envelope Loads	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Envelope Loads	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)	SADB	55.0	95.0				
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Ra Plenum	72.6	70.6				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Return	72.6	70.6				
Roof Cond	0	1,278	1,278	15	0	0	Roof Cond	0	-1,753	3.78	Ret/OA	72.6	70.6				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	Fn MtrTD	0.1	0.0				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00	Fn BldTD	0.2	0.0				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00	Fn Frict	0.6	0.0				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00	AIRFLOWS						
Floor	0	0	0	0	0	0	Floor	0	0	0.00		Cooling	Heating				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00	Diffuser	1,029	1,029				
Infiltration	2,531		2,531	29	790	19	Infiltration	-4,739	-4,739	10.20	Terminal	1,029	1,029				
<i>Sub Total ==&gt;</i>	2,531	1,278	3,808	44	790	19	<i>Sub Total ==&gt;</i>	-4,739	-6,492	13.98	Main Fan	1,029	1,029				
Internal Loads	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Internal Loads	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)	Sec Fan	0	0				
Lights	1,580	0	1,580	18	1,580	38	Lights	0	0	0.00	Nom Vent	0	0				
People	1,618	0	1,618	19	899	22	People	0	0	0.00	AHU Vent	0	0				
Misc	764	0	764	9	764	19	Misc	0	0	0.00	Infil	59	59				
<i>Sub Total ==&gt;</i>	3,962	0	3,962	45	3,242	79	<i>Sub Total ==&gt;</i>	0	0	0.00	MinStop/Rh	103	1,029				
<b>Ceiling Load</b>	91	-91	0	0	91	2	<b>Ceiling Load</b>	-64	0	0.00	Return	1,088	1,088				
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Exhaust	59	59				
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	Rm Exh	0	0				
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	-22,669	-22,669	48.81	Auxiliary	0	0				
<b>Ov/Undr Sizing</b>	0		0	0	0	0	<b>Exhaust Heat</b>		26	-0.06	Leakage Dwn	0	0				
<b>Exhaust Heat</b>		-37	-37	0			<b>OA Preheat Diff.</b>			0	Leakage Ups	0	0				
<b>Sup. Fan Heat</b>			975	11			<b>RA Preheat Diff.</b>			0	ENGINEERING CKS						
<b>Ret. Fan Heat</b>			0	0			<b>Additional Reheat</b>		-18,524	39.88	Cooling	Heating					
<b>Duct Heat Pkup</b>			0	0			<b>System Plenum Heat</b>		1,215	-2.62	% OA	0.0	0.0				
<b>Underflr Sup Ht Pkup</b>			0	0			<b>Underflr Sup Ht Pkup</b>			0	cfm/ft²	2.00	2.00				
<b>Supply Air Leakage</b>			0	0			<b>Supply Air Leakage</b>			0	cfm/ton	1,417.35					
<i>Grand Total ==&gt;</i>	6,583	1,150	8,709	100.00	4,123	100.00	<i>Grand Total ==&gt;</i>	-27,472	-46,445	100.00	ft²/ton	708.68					
											Btu/hr-ft²	16.93	-90.31				
											No. People	3.6	7.0/1000 ft²				

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total	Glass ft²	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
<b>Main Clg</b>	0.7	8.7	6.3	1,029	72.8	59.9	56.6	54.4	52.7	56.6	Floor	514			-46.4	1,029	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			0.0	0	0.0	0.0
<b>Total</b>	0.7	8.7									ExFlr	0			-19.3	1,029	54.2	71.0
											Roof	514	0	0	0.0	0	0.0	0.0
											Wall	0	0	0	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
															<b>Total</b>	-46.4		

# Room Checksums

By Trial

4- 4W-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time: Mo/Hr: 7 / 15				Mo/Hr: 7 / 15				Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 84 / 72 / 99				OADB: 84				OADB: -1							
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	SADB	Cooling	Heating				
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		72.6	72.6	72.6				
Envelope Loads				Envelope Loads							72.6	70.6	70.6		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Fn MtrTD	0.1	0.0				
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Fn BldTD	0.2	0.0				
Roof Cond	0	9,582	15	0	0	Roof Cond	-13,151	3.78	Fn Frict	0.6	0.0				
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00							
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00							
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00							
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00							
Floor	0	0	0	0	0	Floor	0	0.00							
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00							
Infiltration	18,981	18,981	29	5,924	19	Infiltration	-35,542	10.20							
<i>Sub Total ==&gt;</i>	<i>18,981</i>	<i>9,582</i>	<i>44</i>	<i>5,924</i>	<i>19</i>	<i>Sub Total ==&gt;</i>	<i>-35,542</i>	<i>13.98</i>							
Internal Loads				Internal Loads							<b>AIRFLOWS</b>				
Lights	11,848	0	18	11,848	38	Lights	0	0.00							
People	12,138	0	19	6,743	22	People	0	0.00							
Misc	5,727	0	9	5,727	19	Misc	0	0.00							
<i>Sub Total ==&gt;</i>	<i>29,713</i>	<i>0</i>	<i>45</i>	<i>24,318</i>	<i>79</i>	<i>Sub Total ==&gt;</i>	<i>0</i>	<i>0.00</i>				<b>Cooling</b>	<b>Heating</b>		
Ceiling Load	682	-682	0	682	2	Ceiling Load	-479	0.00	Diffuser	7,715	7,715				
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Terminal	7,715	7,715				
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00	Main Fan	7,715	7,715				
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-170,019	48.81	Sec Fan	0	0				
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	194	-0.06	Nom Vent	0	0				
Exhaust Heat	-275	-275	0	0	0	OA Preheat Diff.	0	0.00	AHU Vent	0	0				
Sup. Fan Heat	7,315	7,315	11	0	0	RA Preheat Diff.	0	0.00	Infil	444	444				
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-138,932	39.88	MinStop/Rh	771	7,715				
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	9,113	-2.62	Return	8,158	8,158				
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Exhaust	444	444				
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Rm Exh	0	0				
<i>Grand Total ==&gt;</i>	<i>49,376</i>	<i>8,624</i>	<i>65,315</i>	<i>100.00</i>	<i>30,924</i>	<i>100.00</i>	<i>Grand Total ==&gt;</i>	<i>-206,040</i>	<i>-348,337</i>	<i>100.00</i>	<b>ENGINEERING CKS</b>				

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	5.4	65.3	46.9	7,715	72.8	59.9	56.6	54.4	52.7	56.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>5.4</b>	<b>65.3</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	3,857		
Part	0		
Int Door	0		
ExFlr	0		
Roof	3,857	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg °F	
			°F	°F
Main Htg	-348.3	7,715	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-144.7	7,715	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-348.3</b>			

# Room Checksums

By Trial

## 4- 4W-P-N-L

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Tot Sens	Percent Of Total	SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	259	259			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	259	259			
Roof Cond	0	322	322	11	0	0	-441	3.78	0	0	0.00	Main Fan	259	259			
Glass Solar	408	0	408	14	408	25	0	0.00	0	0	0.00	Sec Fan	0	0			
Glass/Door Cond	134	0	134	5	134	8	-843	7.21	-1,193	-1,193	10.20	Nom Vent	0	0			
Wall Cond	75	18	93	3	75	5	-273	2.91	0	0	0.00	AHU Vent	0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	15	15			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	26	259			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	274	274			
Infiltration	637	637	23	199	12	-1,193	-2,817	24.10	0	0	0.00	Exhaust	15	15			
Sub Total ==>	1,254	340	1,593	56	816	49	-2,308	24.10	0	0	0.00	Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>		
Lights	398	0	398	14	398	24	0	0.00	0	0	0.00	% OA	0.0	0.0			
People	407	0	407	14	226	14	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00			
Misc	192	0	192	7	192	12	0	0.00	0	0	0.00	cfm/ton	1,099.01				
Sub Total ==>	997	0	997	35	816	49	0	0.00	0	0	0.00	ft²/ton	549.51				
Lighting	398	0	398	14	398	24	-16	0.00	-4,591	-4,591	39.27	Btu/hr-ft²	21.84	-90.31			
People	407	0	407	14	226	14	0	0.00	0	0	0.00	No. People	0.9	7.0/1000 ft²			
Misc	192	0	192	7	192	12	0	0.00	0	0	0.00						
Sub Total ==>	997	0	997	35	816	49	0	0.00	0	0	0.00						
OA Preheat Diff.																	
Additional Reheat																	
System Plenum Heat																	
Underflr Sup Ht Pkup																	
Supply Air Leakage																	
Grand Total ==>	2,274	308	2,827	100.00	1,655	100.00	-6,915	100.00	-11,690	100.00							

COOLING COIL SELECTION										
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
Main Clg	0.2	2.8	259	72.8	59.9	56.6	54.4	52.7	56.6	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total</b>	<b>0.2</b>	<b>2.8</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	129		
Part	0		
Int Door	0		
ExFlr	0		
Roof	129	0	0
Wall	99	26	26
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-11.7	259	54.4	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-4.9	259	54.2	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-11.7</b>			



# Room Checksums

By Trial

## 4- 4W-P-N-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	214	11	0	0	0	-294	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	272	0	14	272	25	0	0	0.00	0	0	0.00	Diffuser	173	173
Glass/Door Cond	89	0	5	89	8	-562	-562	7.21	-562	-562	10.20	Terminal	173	173
Wall Cond	50	12	3	50	5	-182	-227	2.91	-182	-227	10.20	Main Fan	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	425	425	23	133	12	-795	-795	10.20	-795	-795	10.20	Infil	10	10
Sub Total ==>	836	227	1,062	56	544	-1,539	-1,878	24.10	-1,539	-1,878	24.10	MinStop/Rh	17	173
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	183	183
Lights	265	0	14	265	24	0	0	0.00	0	0	0.00	Exhaust	10	10
People	272	0	14	151	14	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	128	0	7	128	12	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	665	0	35	544	49	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	15	-15	0	0	15	1	-11	0.00	-11	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-3,060	39.27	-3,060	-3,060	39.27	cfm/ton	1,099.01	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	4	-0.06	4	4	-0.06	ft²/ton	549.51	
<b>Exhaust Heat</b>	-6	-6	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	21.84	-90.31
<b>Sup. Fan Heat</b>	164	164	9	164	9	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	1,516	205	1,885	100.00	1,103	100.00	-4,610	100.00	-4,610	-7,794	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.2	1.9	1.5	173	72.8	59.9	56.6	54.4	52.7	56.6	Floor	86		Main Htg	-7.8	173	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-3.2	173	54.2	71.0
<b>Total</b>	0.2	1.9									Roof	86	0	Humidif	0.0	0	0.0	0.0
											Wall	66	17	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-7.8			

# Room Checksums

By Trial

## 4- 4W-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	182	3	0	0	Roof Cond	-421	3.78	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	3,431	0	62	3,678	78	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	251	247
Glass/Door Cond	200	0	4	164	3	Glass/Door Cond	-1,616	14.49	Glass/Door Cond	-1,616	14.49	Terminal	251	247
Wall Cond	212	61	5	218	5	Wall Cond	-349	4.03	Wall Cond	-449	4.03	Main Fan	251	247
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	498	498	9	98	2	Infiltration	-1,138	10.20	Infiltration	-1,138	10.20	Infil	14	14
Sub Total ==>	4,341	243	4,584	83	4,158	88	Sub Total ==>	32.50	Sub Total ==>	-3,102	-3,623	MinStop/Rh	25	247
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	265	261
Lights	253	0	5	253	5	Lights	0	0.00	Lights	0	0.00	Exhaust	14	14
People	187	0	3	135	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	179	0	3	179	4	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	619	0	11	567	12	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0	Leakage Ups	0	0	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	15	-15	0	0	15	0	<b>Ceiling Load</b>	-15	0	0.00	% OA	0.0	0.0	
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	cfm/ft²	2.03	2.00	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	cfm/ton	542.02		
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	-3,477	-3,477	31.19	ft²/ton	267.05		
<b>Ov/Undr Sizing</b>	117		117	2	0	0	<b>Exhaust Heat</b>	6	-0.06		Btu/hr-ft²	44.94	-90.31	
<b>Exhaust Heat</b>		-6	0	0			<b>OA Preheat Diff.</b>	0	0.00		No. People	0.9	7.0/1000 ft²	
<b>Sup. Fan Heat</b>			234	4			<b>RA Preheat Diff.</b>	0	0.00					
<b>Ret. Fan Heat</b>		0	0	0			<b>Additional Reheat</b>	-4,446	39.88					
<b>Duct Heat Pkup</b>		0	0	0			<b>System Plenum Heat</b>	392	-3.52					
<b>Underflr Sup Ht Pkup</b>		0	0	0			<b>Underflr Sup Ht Pkup</b>	0	0.00					
<b>Supply Air Leakage</b>		0	0	0			<b>Supply Air Leakage</b>	0	0.00					
<b>Grand Total ==&gt;</b>	5,092	221	5,547	100.00	4,740	100.00	<b>Grand Total ==&gt;</b>	-6,594	-11,148	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
<b>Main Clg</b>	0.5	5.6	5.1	247	72.7	59.9	56.6	54.4	51.9	53.5	<b>Floor</b>	123		<b>Main Htg</b>	-11.2	247	54.4	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0		<b>Reheat</b>	-4.6	247	54.2	71.0
<b>Total</b>	0.5	5.6									<b>Roof</b>	123	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	146	50	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	-11.2			

# Room Checksums

By Trial

## 4- 4W-P-NW-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	121	3	0	0	0	-281	3.78	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,288	0	62	2,453	78	0	0	0.00	0	0	0.00	Diffuser	167	165
Glass/Door Cond	133	0	4	109	3	-1,078	-1,078	14.50	0	0	0.00	Terminal	167	165
Wall Cond	141	40	5	146	5	-232	-299	4.03	0	0	0.00	Main Fan	167	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	332	332	9	65	2	-758	-758	10.20	0	0	0.00	Infil	9	9
Sub Total ==>	2,895	162	83	2,773	88	-2,068	-2,416	32.51	0	0	0.00	MinStop/Rh	16	165
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	177	174
Lights	169	0	5	169	5	0	0	0.00	0	0	0.00	Exhaust	9	9
People	125	0	3	90	3	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	119	0	3	119	4	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	413	0	11	378	12	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-10	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing		0	0			0	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00
Ov/Undr Sizing	77	77	2	0	0	-2,318	-2,318	31.18	0	0	0.00	cfm/ton	542.23	
Exhaust Heat		-4	0			0	4	-0.06	0	0	0.00	ft²/ton	267.05	
Sup. Fan Heat		156	4			0	0	0.00	0	0	0.00	Btu/hr-ft²	44.94	-90.31
Ret. Fan Heat		0	0			0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup		0	0			0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup		0	0			0	0	0.00	0	0	0.00			
Supply Air Leakage		0	0			0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,395</b>	<b>148</b>	<b>100.00</b>	<b>3,161</b>	<b>100.00</b>	<b>-4,396</b>	<b>-7,432</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.7	3.4	165	72.7	59.9	56.6	54.4	51.9	53.5	Floor	82	-7.4	165	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	-3.1	165	54.2	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.7</b>									Roof	82	0.0	0	0.0	0.0	
											Wall	98	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
													-7.4	0	0.0	0.0	

# Room Checksums

By Trial

## 4- 4W-P-NW-OO

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18			Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 80 / 70 / 94			OADB: 78		OADB: -1						SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ra Plenum	72.4	70.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0			
Roof Cond	0	910	3	0	0	0	-2,104	3.78	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	17,150	0	62	18,388	78	0	0	0.00	0	0	0.00	Diffuser	1,253	1,235			
Glass/Door Cond	1,000	0	4	819	3	-8,077	-8,077	14.49	0	0	0.00	Terminal	1,253	1,235			
Wall Cond	1,058	303	5	1,091	5	-1,743	-2,244	4.03	0	0	0.00	Main Fan	1,253	1,235			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0			
Infiltration	2,492	2,492	9	489	2	-5,688	-5,688	10.20	0	0	0.00	Infil	71	71			
Sub Total ==>	21,701	1,214	83	20,786	88	-15,507	-18,112	32.49	0	0	0.00	MinStop/Rh	123	1,235			
<b>Internal Loads</b>					<b>Internal Loads</b>										Return	1,324	1,305
Lights	1,264	0	5	1,264	5	0	0	0.00	0	0	0.00	Exhaust	71	71			
People	935	0	3	676	3	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	895	0	3	895	4	0	0	0.00	0	0	0.00	Auxiliary	0	0			
Sub Total ==>	3,095	0	11	2,836	12	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Leakage Ups	0	0
Ventilation Load	0	-76	0	76	0	-77	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.03	2.00			
Ov/Undr Sizing	588	588	2	0	0	-17,388	-17,388	31.19	0	0	0.00	cfm/ton	541.93				
Exhaust Heat	0	-31	0	0	0	0	31	-0.06	0	0	0.00	ft²/ton	267.05				
Sup. Fan Heat	0	1,171	4	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	44.94	-90.31			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.3	7.0/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>25,459</b>	<b>1,107</b>	<b>100.00</b>	<b>23,697</b>	<b>100.00</b>	<b>-32,971</b>	<b>-55,742</b>	<b>100.00</b>									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	2.3	27.7	25.6	1,235	72.7	59.9	56.6	54.4	51.9	53.5	Floor	617		Main Htg	-55.7	1,235	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-23.2	1,235	54.2	71.0	
<b>Total</b>	<b>2.3</b>	<b>27.7</b>									Roof	617	0	Humidif	0.0	0	0.0	0.0	
											Wall	732	249	34	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-55.7</b>			

# Room Checksums

By Trial

## 4- 4W-P-S-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	103	1	0	0	Roof Cond	-454	3.78	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	7,981	0	69	7,981	93	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	451	266
Glass/Door Cond	-280	0	-2	-280	-3	Glass/Door Cond	-2,328	19.37	Glass/Door Cond	-2,328	19.37	Terminal	451	266
Wall Cond	133	59	2	133	2	Wall Cond	-217	2.60	Wall Cond	-312	2.60	Main Fan	451	266
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-327	-327	-3	-140	-2	Infiltration	-1,226	10.20	Infiltration	-1,226	10.20	Infil	15	15
Sub Total ==>	7,508	162	66	7,695	90	Sub Total ==>	-3,770	35.95	Sub Total ==>	-4,319	35.95	MinStop/Rh	27	266
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	467	281
Lights	409	0	4	409	5	Lights	0	0.00	Lights	0	0.00	Exhaust	15	15
People	419	0	4	233	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	192	0	2	192	2	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	1,019	0	9	833	10	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ceiling Load	8	-8	0	8	0	Ceiling Load	-17	0.00	Ceiling Load	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ft²	3.39	2.00
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-3,320	27.63	Ov/Undr Sizing	-3,320	27.63	cfm/ton	466.30	
Ov/Undr Sizing	2,498	0	22	0	0	Exhaust Heat	7	-0.06	Exhaust Heat	7	-0.06	ft²/ton	137.50	
Exhaust Heat	-3	-3	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	87.27	-90.31
Sup. Fan Heat	428	428	4	428	4	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	0.9	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-4,792	39.88	Additional Reheat	-4,792	39.88			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	409	-3.41	System Plenum Heat	409	-3.41			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>11,033</b>	<b>150</b>	<b>100.00</b>	<b>11,611</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-7,107</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-12,015</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.0	11.6	11.6	451	72.5	59.8	56.6	54.4	50.5	48.5	Floor	133	Main Htg	-12.0	266	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-5.0	266	54.2	71.0
<b>Total</b>	<b>1.0</b>	<b>11.6</b>									Roof	133	Humidif	0.0	0	0.0	0.0
											Wall	139	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-12.0			

# Room Checksums

By Trial

## 4- 4W-P-S-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.2	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	69	1	0	0	Roof Cond	-302	3.78	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	5,318	0	69	5,318	93	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	301	177
Glass/Door Cond	-187	0	-2	-187	-3	Glass/Door Cond	-1,551	19.36	Glass/Door Cond	-1,551	19.36	Terminal	301	177
Wall Cond	89	39	2	89	2	Wall Cond	-144	2.59	Wall Cond	-208	2.59	Main Fan	301	177
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-218	-218	-3	-93	-2	Infiltration	-817	10.20	Infiltration	-817	10.20	Infil	10	10
Sub Total ==>	5,003	108	5,111	66	90	Sub Total ==>	-2,513	35.94	Sub Total ==>	-2,879	35.94	MinStop/Rh	18	177
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	311	188
Lights	272	0	272	4	5	Lights	0	0.00	Lights	0	0.00	Exhaust	10	10
People	279	0	279	4	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	128	0	128	2	2	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	679	0	679	9	10	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ceiling Load	6	-6	0	0	6	Ceiling Load	-11	0.00	Ceiling Load	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ft²	3.39	2.00
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-2,214	27.64	Ov/Undr Sizing	-2,214	27.64	cfm/ton	466.22	
Ov/Undr Sizing	1,666	-2	1,666	22	0	Exhaust Heat	4	-0.06	Exhaust Heat	4	-0.06	ft²/ton	137.54	
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	87.25	-90.31
Sup. Fan Heat	0	285	4	0	4	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	0.6	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-3,195	39.88	Additional Reheat	-3,195	39.88			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	273	-3.41	System Plenum Heat	273	-3.41			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	7,353	100	7,739	100.00	100.00	Grand Total ==>	-4,738	100.00	Grand Total ==>	-8,010	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.6	7.7	7.7	301	72.5	59.8	56.6	54.4	50.5	48.5	Floor	89		Main Htg	-8.0	177	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-3.3	177	54.2	71.0
<b>Total</b>	<b>0.6</b>	<b>7.7</b>									Roof	89	0	Humidif	0.0	0	0.0	0.0
											Wall	92	48	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-8.0</b>			

# Room Checksums

By Trial

## 4- 4W-P-S-00

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13			Mo/Hr: 10 / 13		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 64 / 52 / 39			OADB: 64		OADB: -1										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,255	1,331			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,255	1,331			
Roof Cond	0	517	1	0	0	0	-2,268	3.78	0	0	0.00	Main Fan	2,255	1,331			
Glass Solar	39,889	0	69	39,889	93	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Glass/Door Cond	-1,400	0	-2	-1,400	-3	-11,634	-11,634	19.36	-11,634	-11,634	10.20	Nom Vent	0	0			
Wall Cond	667	293	2	667	2	-1,083	-1,559	2.59	-1,083	-1,559	35.94	AHU Vent	0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	77	77			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	133	1,331			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	2,332	1,407			
Infiltration	-1,633	-1,633	-3	-699	-2	-6,130	-6,130	10.20	-6,130	-6,130	0.00	Exhaust	77	77			
Sub Total ==>	37,523	810	66	38,333	90	-18,847	-21,590	35.94	-18,847	-21,590	0.00	Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>		
Lights	2,043	0	4	2,043	5	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
People	2,093	0	4	1,163	3	0	0	0.00	0	0	0.00	cfm/ft²	3.39	2.00			
Misc	959	0	2	959	2	0	0	0.00	0	0	0.00	cfm/ton	466.24				
Sub Total ==>	5,096	0	9	4,166	10	0	0	0.00	0	0	0.00	ft²/ton	137.53				
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Btu/hr-ft²	87.25	-90.31
Ventilation Load	0	0	0	0	0	-83	0	0.00	-83	0	0.00	No. People	4.7	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00						
Ov/Undr Sizing	12,492	12,492	22	0	0	-16,606	-16,606	27.64	-16,606	-16,606	0.00						
Exhaust Heat	-17	-17	0	0	0	33	-0.06	-0.06	33	-0.06	0.00						
Sup. Fan Heat	2,138	2,138	4	0	0	0	0.00	0.00	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	0	0.00	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0.00	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0.00	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0.00	0.00	0	0	0.00						
Grand Total ==>	55,154	750	100.00	58,042	100.00	-35,535	-60,077	100.00	-35,535	-60,077	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F
Main Clg	4.8	58.1	58.1	2,255	72.5	59.8	56.6	54.4	50.5	48.5	Floor	665	-60.1	1,331	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	0	0.0	0.0
<b>Total</b>	<b>4.8</b>	<b>58.1</b>									Roof	665	0	0	0.0	0.0
											Wall	694	358	52	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>	<b>-60.1</b>				

# Room Checksums

By Trial

## 4- 4W-P-SW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: 76		OADB: -1		OADB: -1				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)		Space Peak	Coil Peak	Percent Of Total				
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Space Sens	Tot Sens	Of Total				
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)				
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00				
Roof Cond	0	425	425	3	0	0	Roof Cond	0	-954	3.78				
Glass Solar	12,044	0	12,044	74	12,044	83	Glass Solar	0	0	0.00				
Glass/Door Cond	169	0	169	1	169	1	Glass/Door Cond	-3,624	-3,624	14.35				
Wall Cond	426	138	564	3	426	3	Wall Cond	-590	-782	3.09				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	149	0	149	1	132	1	Infiltration	-2,578	-2,578	10.20				
Sub Total ==>	12,788	563	13,352	82	12,771	88	Sub Total ==>	-6,792	-7,938	31.42				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>						
Lights	859	0	859	5	859	6	Lights	0	0	0.00				
People	880	0	880	5	489	3	People	0	0	0.00				
Misc	415	0	415	3	415	3	Misc	0	0	0.00				
Sub Total ==>	2,155	0	2,155	13	1,764	12	Sub Total ==>	0	0	0.00				
Ceiling Load	34	-34	0	0	34	0	Ceiling Load	-35	0	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-8,116	-8,116	32.13				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	14	-0.06				
Exhaust Heat	0	-14	-14	0	0	0	OA Preheat Diff.	0	0	0.00				
Sup. Fan Heat	0	0	730	5	0	0	RA Preheat Diff.	0	0	0.00				
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	-10,076	39.88				
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	853	-3.38				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				
Grand Total ==>	14,977	516	16,223	100.00	14,568	100.00	Grand Total ==>	-14,943	-25,263	100.00				

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.4	16.2	15.8	770	72.7	59.9	56.6	54.4	52.4	55.4	Floor	280		Main Htg	-25.3	560	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-10.5	560	54.2	71.0	
Total	1.4	16.2									Roof	280	0	Humidif	0.0	0	0.0	0.0	
											Wall	280	112	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-25.3			



# Room Checksums

By Trial

## 4- 4W-P-SW-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: 76		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.4	70.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.4	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	283	3	0	0	Roof Cond	-636	3.78	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	8,029	0	74	8,029	83	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	513	373
Glass/Door Cond	113	0	1	113	1	Glass/Door Cond	-2,416	14.35	Glass/Door Cond	-2,416	14.35	Terminal	513	373
Wall Cond	284	92	3	284	3	Wall Cond	-393	3.09	Wall Cond	-521	3.09	Main Fan	513	373
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	100	100	1	88	1	Infiltration	-1,718	10.20	Infiltration	-1,718	10.20	Infil	21	21
Sub Total ==>	8,526	376	82	8,514	88	Sub Total ==>	-4,528	31.42	Sub Total ==>	-5,292	31.42	MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	535	394
Lights	573	0	5	573	6	Lights	0	0.00	Lights	0	0.00	Exhaust	21	21
People	587	0	5	326	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	277	0	3	277	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	1,437	0	13	1,176	12	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ceiling Load	22	-22	0	22	0	Ceiling Load	-23	0.00	Ceiling Load	-23	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ft²	2.75	2.00
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-5,411	32.13	Ov/Undr Sizing	-5,411	32.13	cfm/ton	569.61	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	9	-0.06	Exhaust Heat	9	-0.06	ft²/ton	206.93	
Exhaust Heat	-9	-9	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	57.99	-90.31
Sup. Fan Heat	487	487	5	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	1.3	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-6,717	39.88	Additional Reheat	-6,717	39.88			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	568	-3.38	System Plenum Heat	568	-3.38			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	9,985	344	10,815	100.00	9,712	100.00	Grand Total ==>	-9,962	-16,842	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.9	10.8	10.5	513	72.7	59.9	56.6	54.4	52.4	55.4	Floor	187	Main Htg	-16.8	373	54.4	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-7.0	373	54.2	71.0
<b>Total</b>	<b>0.9</b>	<b>10.8</b>									Roof	187	Humidif	0.0	0	0.0	0.0
											Wall	187	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-16.8</b>			

# Room Checksums

By Trial

## 4- 4W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	2,126	2,126	3	0	0	-4,769	3.78						
Glass Solar	60,226	0	60,226	74	60,226	83	0	0.00						
Glass/Door Cond	845	0	845	1	845	1	-18,124	14.35						
Wall Cond	2,131	691	2,822	3	2,131	3	-2,951	3.10						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	746	0	746	1	661	1	-12,889	10.20						
<i>Sub Total ==&gt;</i>	63,947	2,817	66,764	82	63,862	88	-33,963	31.42						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	4,297	0	4,297	5	4,297	6	0	0.00						
People	4,402	0	4,402	5	2,445	3	0	0.00						
Misc	2,077	0	2,077	3	2,077	3	0	0.00						
<i>Sub Total ==&gt;</i>	10,775	0	10,775	13	8,819	12	0	0.00						
<b>Ceiling Load</b>	168	-168	0	0	168	0	-174	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-40,579	32.13						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	70	-0.06						
<b>Exhaust Heat</b>		-68	-68	0			0	0.00						
<b>Sup. Fan Heat</b>			3,651	5			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-50,381	39.88						
<b>Duct Heat Pkup</b>		0	0	0			4,264	-3.38						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<i>Grand Total ==&gt;</i>	74,890	2,581	81,122	100.00	72,848	100.00	-74,716	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	3,851	2,798
<b>Terminal</b>	3,851	2,798
<b>Main Fan</b>	3,851	2,798
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	161	161
<b>MinStop/Rh</b>	280	2,798
<b>Return</b>	4,012	2,958
<b>Exhaust</b>	161	161
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.75	2.00
<b>cfm/ton</b>	569.61	
<b>ft²/ton</b>	206.91	
<b>Btu/hr-ft²</b>	58.00	-90.31
<b>No. People</b>	9.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	6.8	81.1	79.1	3,851	72.7	59.9	56.6	54.4	52.4	55.4
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	6.8	81.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	1,399		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	1,399	0	0
<b>Wall</b>	1,399	558	40
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-126.3	2,798	54.4	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-52.5	2,798	54.2	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-126.3			

# Room Checksums

By Trial

IE-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.6
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.6	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	6,320		6,320	34	1,972	19	-11,835	10.20	-11,835	-11,835	10.20	AHU Vent	0	0
Sub Total ==>	6,320	0	6,320	34	1,972	19	-11,835	10.20	-11,835	-11,835	10.20	Infil	148	148
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	257	2,569
Lights	3,945	0	3,945	21	3,945	38	0	0.00	0	0	0.00	Return	2,717	2,717
People	4,042	0	4,042	22	2,245	22	0	0.00	0	0	0.00	Exhaust	148	148
Misc	1,907	0	1,907	10	1,907	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	9,894	0	9,894	53	8,098	79	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Dwn	0	0
Ventilation Load	0	-227	0	0	227	2	-160	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing			0	0									Cooling	Heating
Ov/Undr Sizing	0		0	0	0	0						% OA	0.0	0.0
Exhaust Heat		-92	-92	0								cfm/ft²	2.00	2.00
Sup. Fan Heat			2,436	13								cfm/ton	1,661.03	
Ret. Fan Heat		0	0	0								ft²/ton	830.52	
Duct Heat Pkup		0	0	0								Btu/hr-ft²	14.45	-90.31
Underflr Sup Ht Pkup		0	0	0								No. People	9.0	7.0/1000 ft²
Supply Air Leakage		0	0	0										
<b>Grand Total ==&gt;</b>	16,441	-319	18,558	100.00	10,297	100.00	-68,608		-115,990		100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.6	18.6	12.4	2,569	72.8	59.9	56.6	54.4	52.7	56.6	Floor	1,284		Main Htg	-116.0	2,569	54.4	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-48.2	2,569	54.2	71.0	
<b>Total</b>	1.6	18.6									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-116.0			

# Room Checksums

By Trial

1E-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	6,422	6,422
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	6,422	6,422
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	6,422	6,422
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	15,910		15,910	32	4,931	19	-29,587	10.14	-29,587	-29,587	10.14	AHU Vent	0	0
Sub Total ==>	15,910	0	15,910	32	4,931	19	-29,587	10.14	-29,587	-29,587	10.14	Infil	369	369
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	642	6,422
Lights	9,863	0	9,863	20	9,863	38	0	0.00	0	0	0.00	Return	6,791	6,791
People	10,105	0	10,105	21	5,614	22	0	0.00	0	0	0.00	Exhaust	369	369
Misc	4,767	0	4,767	10	4,767	18	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	24,735	0	24,735	50	20,244	78	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	739	-739	0	0	739	3	-301	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-141,631	-141,631	48.54		% OA	0.0	0.0
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		122	-0.04		cfm/ft²	2.00	2.00
Exhaust Heat		-298	-298	-1			OA Preheat Diff.		0	0.00		cfm/ton	1,569.55	
Sup. Fan Heat			8,753	18			RA Preheat Diff.		0	0.00		ft²/ton	784.78	
Ret. Fan Heat		0	0	0			Additional Reheat		-118,138	40.49		Btu/hr-ft²	15.29	-90.87
Duct Heat Pkup		0	0	0			System Plenum Heat		-2,540	0.87		No. People	22.5	7.0/1000 ft²
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup		0	0.00				
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00				
<b>Grand Total ==&gt;</b>	<b>41,384</b>	<b>-1,037</b>	<b>49,099</b>	<b>100.00</b>	<b>25,914</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-171,520</b>	<b>-291,774</b>	<b>100.00</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	4.1	49.1	33.6	6,422	73.1	60.5	58.7	54.2	53.1	58.7	Floor	3,211		Main Htg	-291.8	6,422	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>4.1</b>	<b>49.1</b>									ExFlr	0		Reheat	-123.1	6,422	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-291.8</b>			

# Room Checksums

By Trial

1E-I-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14	-11,835	-11,835	10.14	Infil	148	148
Sub Total ==>	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14	-11,835	-11,835	10.14	MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,717	2,717
Lights	3,945	0	3,945	20	3,945	0	0	0.00	0	0	0.00	Exhaust	148	148
People	4,042	0	4,042	21	2,245	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,907	0	1,907	10	1,907	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	9,894	0	9,894	50	8,098	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-296	0	0	296	-121	0	0.00	-121	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-56,652	-56,652	48.54	-56,652	-56,652	48.54	cfm/ton	1,569.55	
Exhaust Heat	0	-119	-119	-1	0	0	49	-0.04	0	0	0.00	ft²/ton	784.78	
Sup. Fan Heat	0	3,501	18	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>16,553</b>	<b>-415</b>	<b>19,640</b>	<b>100.00</b>	<b>10,366</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.6	19.6	13.5	2,569	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,284		Main Htg	-116.7	2,569	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>1.6</b>	<b>19.6</b>									ExFlr	0		Reheat	-49.2	2,569	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-116.7</b>			

# Room Checksums

By Trial

1E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7	
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.3	0.0	
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00				Fn Frict	0.8	0.0	
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				<b>AIRFLOWS</b>			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00					Diffuser	7,706	7,706
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00				Terminal	7,706	7,706	
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Main Fan	7,706	7,706	
Floor	0	0	0	0	0	Floor	0	0.00				Sec Fan	0	0	
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Nom Vent	0	0	
Infiltration	19,092		19,092	32	5,917	Infiltration	-35,505	10.14				AHU Vent	0	0	
Sub Total ==>	19,092	0	19,092	32	5,917	Sub Total ==>	-35,505	10.14				Infil	443	443	
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	771	7,706	
Lights	11,836	0	11,836	20	11,836	Lights	0	0.00				Return	8,150	8,150	
People	12,125	0	12,125	21	6,736	People	0	0.00				Exhaust	443	443	
Misc	5,721	0	5,721	10	5,721	Misc	0	0.00				Rm Exh	0	0	
Sub Total ==>	29,682	0	29,682	50	24,293	Sub Total ==>	0	0.00				Auxiliary	0	0	
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0	
Ventilation Load	0	-887	0	0	887	Ventilation Load	-362	0.00				Leakage Ups	0	0	
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				<b>ENGINEERING CKS</b>			
Dehumid. Ov Sizing		0	0	0	0	Ov/Undr Sizing	-169,957	48.54				% OA	0.0	0.0	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	146	-0.04				cfm/ft²	2.00	2.00	
Exhaust Heat		-358	-358	-1		OA Preheat Diff.	0	0.00				cfm/ton	1,569.55		
Sup. Fan Heat		10,504	10,504	18		RA Preheat Diff.	0	0.00				ft²/ton	784.78		
Ret. Fan Heat		0	0	0		Additional Reheat	-141,766	40.49				Btu/hr-ft²	15.29	-90.87	
Duct Heat Pkup		0	0	0		System Plenum Heat	-3,048	0.87				No. People	26.9	7.0/1000 ft²	
Underflr Sup Ht Pkup		0	0	0		Underflr Sup Ht Pkup	0	0.00							
Supply Air Leakage		0	0	0		Supply Air Leakage	0	0.00							
<b>Grand Total ==&gt;</b>	<b>49,660</b>	<b>-1,245</b>	<b>58,919</b>	<b>100.00</b>	<b>31,097</b>	<b>Grand Total ==&gt;</b>	<b>-205,824</b>	<b>100.00</b>							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	4.9	58.9	40.4	7,706	73.1	60.5	58.7	54.2	53.1	58.7	Floor	3,853		Main Htg	-350.1	7,706	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>4.9</b>	<b>58.9</b>									ExFlr	0		Reheat	-147.7	7,706	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-350.1</b>			

# Room Checksums

By Trial

1E-I-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	3,853	3,853
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	3,853	3,853
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	9,546	9,546	32	2,959	19	Infiltration	-17,752	10.14	Infiltration	-17,752	10.14	Infil	222	222
Sub Total ==>	9,546	9,546	32	2,959	19	Sub Total ==>	-17,752	10.14	Sub Total ==>	-17,752	10.14	MinStop/Rh	385	3,853
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	4,075	4,075
Lights	5,918	0	5,918	20	5,918	Lights	0	0.00	Lights	0	0.00	Exhaust	222	222
People	6,063	0	6,063	21	3,368	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	2,860	0	2,860	10	2,860	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	14,841	0	14,841	50	12,146	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
Ceiling Load	443	-443	0	0	443	Ceiling Load	-181	0.00	Ceiling Load	-181	0.00	% OA	Cooling	Heating
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	cfm/ft²	2.00	2.00
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00	Adj Air Trans Heat	0	0.00	cfm/ton	1,569.55	
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-84,979	48.54	Ov/Undr Sizing	-84,979	48.54	ft²/ton	784.78	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	73	-0.04	Exhaust Heat	73	-0.04	Btu/hr-ft²	15.29	-90.87
Exhaust Heat	-179	-179	-1	-1	-1	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	No. People	13.5	7.0/1000 ft²
Sup. Fan Heat	5,252	5,252	18	18	18	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00			
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-70,883	40.49	Additional Reheat	-70,883	40.49			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-1,524	0.87	System Plenum Heat	-1,524	0.87			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	24,830	-622	29,460	100.00	15,549	Grand Total ==>	-102,912	100.00	Grand Total ==>	-175,065	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	2.5	29.5	20.2	3,853	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,927		Main Htg	-175.1	3,853	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-73.9	3,853	53.8	71.0
<b>Total</b>	<b>2.5</b>	<b>29.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-175.1</b>			

# Room Checksums

By Trial

1E-I-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14	-11,835	-11,835	10.14	Infil	148	148
Sub Total ==>	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14	-11,835	-11,835	10.14	MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,717	2,717
Lights	3,945	0	3,945	20	3,945	0	0	0.00	0	0	0.00	Exhaust	148	148
People	4,042	0	4,042	21	2,245	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,907	0	1,907	10	1,907	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	9,894	0	9,894	50	8,098	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-296	0	0	296	-121	0	0.00	-121	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-56,652	-56,652	48.54	-56,652	-56,652	48.54	cfm/ton	1,569.55	
Exhaust Heat	0	-119	0	-1	0	49	49	-0.04	49	49	-0.04	ft²/ton	784.78	
Sup. Fan Heat	0	3,501	18	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>16,553</b>	<b>-415</b>	<b>19,640</b>	<b>100.00</b>	<b>10,366</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.6	19.6	13.5	2,569	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,284		Main Htg	-116.7	2,569	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>1.6</b>	<b>19.6</b>									ExFlr	0		Reheat	-49.2	2,569	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-116.7</b>			



# Room Checksums

By Trial

1E-P-NE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.0	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	3,674	0	3,674	83	3,674	96	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-115	0	-115	-3	-115	-3	-2,184	20.92	-2,184	-2,184	20.92	Diffuser	230	230
Wall Cond	37	50	87	2	37	1	-50	1.11	-50	-115	1.11	Terminal	230	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	230	230
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	148	0	148	3	-50	-1	-1,059	10.14	-1,059	-1,059	10.14	AHU Vent	0	0
Sub Total ==>	3,745	50	3,795	85	3,547	92	-3,292	32.16	-3,292	-3,358	32.16	Infil	13	13
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	23	230
Lights	141	0	141	3	141	4	0	0.00	0	0	0.00	Return	243	243
People	87	0	87	2	39	1	0	0.00	0	0	0.00	Exhaust	13	13
Misc	113	0	113	3	113	3	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	341	0	341	8	293	8	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	-11	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,834	27.15	-2,834	-2,834	27.15	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Exhaust Heat	0	0	0	0	0	0	4	-0.04	0	0	0.00	cfm/ton	619.77	
Sup. Fan Heat	0	0	313	7	0	0	0	0.00	0	0	0.00	ft²/ton	309.89	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-4,227	-4,227	40.49	Btu/hr-ft²	38.72	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	-25	-25	0.24	No. People	0.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	4,087	49	4,449	100.00	3,840	100.00	-6,138	100.00	-6,138	-10,441	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.4	4.5	4.2	230	72.4	60.2	58.7	54.2	53.1	58.7	Floor	115	Main Htg	-10.4	230	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-4.4	230	53.8	71.0
Total	0.4	4.5									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	124	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-10.4			

# Room Checksums

By Trial

1E-P-NE-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	9,182	0	9,182	83	9,182	96	0	0.00						
Glass/Door Cond	-287	0	-287	-3	-287	-3	-5,458	20.91						
Wall Cond	94	124	217	2	94	1	-124	1.11						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	371	0	371	3	-125	-1	-2,647	10.14						
<i>Sub Total ==&gt;</i>	9,360	124	9,484	85	8,863	92	-8,229	32.15						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	353	0	353	3	353	4	0	0.00						
People	218	0	218	2	98	1	0	0.00						
Misc	282	0	282	3	282	3	0	0.00						
<i>Sub Total ==&gt;</i>	853	0	853	8	733	8	0	0.00						
<b>Ceiling Load</b>	1	-1	0	0	1	0	-27	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-7,088	27.16						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	11	-0.04						
<b>Exhaust Heat</b>		0	0	0			0	0.00						
<b>Sup. Fan Heat</b>			783	7			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-10,568	40.49						
<b>Duct Heat Pkup</b>		0	0	0			-63	0.24						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	10,214	123	11,119	100.00	9,597	100.00	-15,344	26.10						

AIRFLOWS		
	Cooling	Heating
Diffuser	575	575
Terminal	575	575
Main Fan	575	575
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	33	33
MinStop/Rh	57	575
Return	608	608
Exhaust	33	33
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	619.99	
ft²/ton	310.00	
Btu/hr-ft²	38.71	-90.87
No. People	2.0	7.0/1000 ft²

COOLING COIL SELECTION									
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.9	11.1	575	72.4	60.2	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.9	11.1							

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	287		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	310	229	74
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-26.1	575	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-11.0	575	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	-26.1			

# Room Checksums

By Trial

1E-P-NE-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>					
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Cooling			Heating			
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Diffuser			Terminal			
Roof Cond	0	0	0	0	0	0	0	0	0.00	Main Fan			Sec Fan			
Glass Solar	3,674	0	3,674	83	3,674	96	0	0	0.00	Nom Vent			AHU Vent			
Glass/Door Cond	-115	0	-115	-3	-115	-3	-2,184	-2,184	20.92	Infil			MinStop/Rh			
Wall Cond	37	50	87	2	37	1	-50	-115	1.11	Return			Exhaust			
Partition/Door	0	0	0	0	0	0	0	0	0.00	Rm Exh			Auxiliary			
Floor	0	0	0	0	0	0	0	0	0.00	Leakage Dwn			Leakage Ups			
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	<b>ENGINEERING CKS</b>						
Infiltration	148	0	148	3	-50	-1	-1,059	-1,059	10.14	% OA			cfm/ft²			
Sub Total ==>	3,745	50	3,795	85	3,547	92	-3,292	-3,358	32.16	cfm/ton			ft²/ton			
										Btu/hr-ft²			No. People			
<b>Internal Loads</b>				<b>Internal Loads</b>												
Lights	141	0	141	3	141	4	0	0	0.00							
People	87	0	87	2	39	1	0	0	0.00							
Misc	113	0	113	3	113	3	0	0	0.00							
Sub Total ==>	341	0	341	8	293	8	0	0	0.00							
<b>Ceiling Load</b>				<b>Ceiling Load</b>												
Ventilation Load	0	0	0	0	0	0	-11	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0.00							
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	-2,834	-2,834	27.15							
Exhaust Heat	0	0	0	0	0	0	0	4	-0.04							
Sup. Fan Heat	0	0	313	7	0	0	0	0	0.00							
Ret. Fan Heat	0	0	0	0	0	0	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	0	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	-4,227	40.49							
Supply Air Leakage	0	0	0	0	0	0	0	-25	0.24							
Grand Total ==>	4,087	49	4,449	100.00	3,840	100.00	-6,138	-10,441	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.4	4.5	4.2	230	72.4	60.2	58.7	54.2	53.1	58.7	Floor	115	Main Htg	-10.4	230	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-4.4	230	53.8	71.0
Total	0.4	4.5									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	124	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-10.4			

# Room Checksums

By Trial

1E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	11,019	0	11,019	83	11,019	96	0	0.00						
Glass/Door Cond	-344	0	-344	-3	-344	-3	-6,550	20.91						
Wall Cond	112	149	261	2	112	1	-149	1.11						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	445	0	445	3	-150	-1	-3,176	10.14						
<b>Sub Total ==&gt;</b>	<b>11,232</b>	<b>149</b>	<b>11,381</b>	<b>85</b>	<b>10,637</b>	<b>92</b>	<b>-9,875</b>	<b>32.16</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	424	0	424	3	424	4	0	0.00						
People	262	0	262	2	118	1	0	0.00						
Misc	338	0	338	3	338	3	0	0.00						
<b>Sub Total ==&gt;</b>	<b>1,024</b>	<b>0</b>	<b>1,024</b>	<b>8</b>	<b>879</b>	<b>8</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>1</b>	<b>-1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-32</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-8,505</b>	<b>27.15</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>-0.04</b>						
<b>Exhaust Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>940</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-12,682</b>	<b>40.49</b>						
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-76</b>	<b>0.24</b>						
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>12,257</b>	<b>147</b>	<b>13,344</b>	<b>100.00</b>	<b>11,517</b>	<b>100.00</b>	<b>-18,413</b>	<b>31.32</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	689	689
Terminal	689	689
Main Fan	689	689
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	40	40
MinStop/Rh	69	689
Return	729	729
Exhaust	40	40
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	619.96	
ft²/ton	309.98	
Btu/hr-ft²	38.71	-90.87
No. People	2.4	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.1	13.3	12.6	689	72.4	60.2	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.1</b>	<b>13.3</b>								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	345		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	372	275	74
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-31.3	689	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-13.2	689	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-31.3</b>			

# Room Checksums

By Trial

1E-P-NE-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	5,182	0	5,182	61	5,538	75	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	468	0	468	6	412	6	-3,274	20.90	-3,274	-3,274	20.90	Diffuser	390	345
Wall Cond	81	106	187	2	87	1	-75	1.10	-75	-173	1.10	Terminal	390	345
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	390	345
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	794	0	794	9	194	3	-1,588	10.14	-1,588	-1,588	10.14	AHU Vent	0	0
Sub Total ==>	6,526	106	6,632	78	6,231	84	-4,936	32.15	-4,936	-5,035	32.15	Infil	20	20
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	34	345
Lights	529	0	529	6	529	7	0	0.00	0	0	0.00	Return	410	365
People	542	0	542	6	301	4	0	0.00	0	0	0.00	Exhaust	20	20
Misc	275	0	275	3	275	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	1,347	0	1,347	16	1,106	15	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-38	0	0	38	1	-16	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-4,254	27.16	-4,254	-4,254	27.16	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	7	-0.04	cfm/ft²	2.26	2.00
Exhaust Heat	0	-15	-15	0	0	0	0	0.00	0	0	0.00	cfm/ton	551.94	
Sup. Fan Heat	0	0	511	6	0	0	0	0.00	0	0	0.00	ft²/ton	244.03	
Ret. Fan Heat	0	0	0	0	0	0	-6,341	40.49	-6,341	-6,341	40.49	Btu/hr-ft²	49.17	-90.87
Duct Heat Pkup	0	0	0	0	0	0	-38	0.24	-38	-38	0.24	No. People	1.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>7,910</b>	<b>54</b>	<b>8,475</b>	<b>100.00</b>	<b>7,375</b>	<b>100.00</b>	<b>-9,206</b>	<b>100.00</b>	<b>-9,206</b>	<b>-15,661</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.7	8.5	7.7	375	73.1	60.5	58.7	54.2	52.5	56.5	Floor	172		Main Htg	-15.7	345	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>0.7</b>	<b>8.5</b>									ExFlr	0		Reheat	-6.6	345	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	186	137	74	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-15.7</b>			

# Room Checksums

By Trial

1E-P-NE-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	3,674	0	3,674	83	3,674	96	0	0.00						
Glass/Door Cond	-115	0	-115	-3	-115	-3	-2,184	20.92						
Wall Cond	37	50	87	2	37	1	-50	1.11						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	148	0	148	3	-50	-1	-1,059	10.14						
<i>Sub Total ==&gt;</i>	<i>3,745</i>	<i>50</i>	<i>3,795</i>	<i>85</i>	<i>3,547</i>	<i>92</i>	<i>-3,292</i>	<i>32.16</i>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	141	0	141	3	141	4	0	0.00						
People	87	0	87	2	39	1	0	0.00						
Misc	113	0	113	3	113	3	0	0.00						
<i>Sub Total ==&gt;</i>	<i>341</i>	<i>0</i>	<i>341</i>	<i>8</i>	<i>293</i>	<i>8</i>	<i>0</i>	<i>0.00</i>						
<b>Ceiling Load</b>	0	0	0	0	0	0	-11	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-2,834	27.15						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	4	-0.04						
<b>Exhaust Heat</b>	0	0	0	0	0	0	0	0.00						
<b>Sup. Fan Heat</b>	0	0	313	7	0	0	0	0.00						
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-4,227	40.49						
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	-25	0.24						
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>4,087</b>	<b>49</b>	<b>4,449</b>	<b>100.00</b>	<b>3,840</b>	<b>100.00</b>	<b>-6,138</b>	<b>-10,441</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	230	230
Terminal	230	230
Main Fan	230	230
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	13	13
MinStop/Rh	23	230
Return	243	243
Exhaust	13	13
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	619.77	
ft²/ton	309.89	
Btu/hr-ft²	38.72	-90.87
No. People	0.8	7.0/1000 ft²

COOLING COIL SELECTION									
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.4	4.5	230	72.4	60.2	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.4</b>	<b>4.5</b>							

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	115		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	124	92	74
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-10.4	230	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-4.4	230	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-10.4</b>			

# Room Checksums

By Trial

1E-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	7,693	0	7,693	50	8,221	67	0	0.00	0	0	0.00	Diffuser	793	793
Glass/Door Cond	695	0	695	5	612	5	-4,859	13.48	-4,859	-4,859	13.48	Terminal	793	793
Wall Cond	372	201	574	4	399	3	-343	1.47	-530	-530	1.47	Main Fan	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,828	0	1,828	12	447	4	-3,654	10.14	-3,654	-3,654	10.14	Infil	46	46
Sub Total ==>	10,588	201	10,790	70	9,678	79	-8,857	25.09	-9,044	-9,044	25.09	MinStop/Rh	79	793
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	839	839
Lights	1,218	0	1,218	8	1,218	10	0	0.00	0	0	0.00	Exhaust	46	46
People	1,248	0	1,248	8	693	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	633	0	633	4	633	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,099	0	3,099	20	2,544	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0
<b>Ceiling Load</b>	86	-86	0	0	87	1	-37	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-12,291	34.10	-12,291	-12,291	34.10	cfm/ton	620.62	71.0
<b>Ov/Undr Sizing</b>	402	0	402	3	0	0	0	-0.04	15	15	-0.04	ft²/ton	310.31	0.0
<b>Exhaust Heat</b>	0	-35	-35	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.67	-90.87
<b>Sup. Fan Heat</b>	0	1,081	1,081	7	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	14,176	80	15,337	100.00	12,310	100.00	-21,185	100.00	-36,038	-36,038	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	1.3	15.3	13.5	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	397			Main Htg	-36.0	793	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-15.2	793	53.8	71.0
<b>Total</b>	1.3	15.3									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	352	204	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-36.0			

# Room Checksums

By Trial

1E-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	19,231	0	19,231	50	20,552	67	0	0.00	0	0	0.00	Diffuser	1,982	1,982
Glass/Door Cond	1,738	0	1,738	5	1,529	5	-12,148	13.49	-12,148	-12,148	13.49	Terminal	1,982	1,982
Wall Cond	931	503	1,434	4	999	3	-859	1.47	-1,325	-1,325	1.47	Main Fan	1,982	1,982
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	4,567	0	4,567	12	1,116	4	-9,129	10.14	-9,129	-9,129	10.14	Infil	114	114
Sub Total ==>	26,467	503	26,970	70	24,195	79	-22,136	25.11	-22,136	-22,602	25.11	MinStop/Rh	198	1,982
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,095	2,095
Lights	3,043	0	3,043	8	3,043	10	0	0.00	0	0	0.00	Exhaust	114	114
People	3,118	0	3,118	8	1,732	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,581	0	1,581	4	1,581	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	7,742	0	7,742	20	6,356	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	216	-216	0	0	219	1	-93	0.00	-93	0	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	620.33	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-30,693	34.09	-30,693	-30,693	34.09	ft²/ton	310.16	
<b>Ov/Undr Sizing</b>	1,006	0	1,006	3	0	0	38	-0.04	38	38	-0.04	Btu/hr-ft²	38.69	-90.87
<b>Exhaust Heat</b>	0	-87	-87	0	0	0	0	0.00	0	0	0.00	No. People	6.9	7.0/1000 ft²
<b>Sup. Fan Heat</b>	0	0	2,701	7	0	0	0	0.00	0	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-36,451	40.49	-36,451	-36,451	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	-318	0.35	-318	-318	0.35			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>35,431</b>	<b>200</b>	<b>38,331</b>	<b>100.00</b>	<b>30,770</b>	<b>100.00</b>	<b>-52,922</b>	<b>100.00</b>	<b>-52,922</b>	<b>-90,027</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	3.2	38.3	33.7	1,982	73.1	60.5	58.7	54.2	53.1	58.7	Floor	991		Main Htg	-90.0	1,982	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-38.0	1,982	53.8	71.0	
<b>Total</b>	<b>3.2</b>	<b>38.3</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	880	510	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-90.0</b>			



# Room Checksums

By Trial

1E-P-NW-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	7,693	0	7,693	50	8,221	67	0	0.00	0	0	0.00	Diffuser	793	793
Glass/Door Cond	695	0	695	5	612	5	-4,859	13.48	-4,859	-4,859	13.48	Terminal	793	793
Wall Cond	372	201	574	4	399	3	-343	1.47	-530	-530	1.47	Main Fan	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,828	0	1,828	12	447	4	-3,654	10.14	-3,654	-3,654	10.14	Infil	46	46
Sub Total ==>	10,588	201	10,790	70	9,678	79	-8,857	25.09	-9,044	-9,044	25.09	MinStop/Rh	79	793
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	839	839
Lights	1,218	0	1,218	8	1,218	10	0	0.00	0	0	0.00	Exhaust	46	46
People	1,248	0	1,248	8	693	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	633	0	633	4	633	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,099	0	3,099	20	2,544	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	86	-86	0	0	87	1	-37	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-12,291	34.10	-12,291	-12,291	34.10	cfm/ton	620.62	71.0
<b>Ov/Undr Sizing</b>	402	0	402	3	0	0	0	-0.04	15	-0.04	-0.04	ft²/ton	310.31	0.0
<b>Exhaust Heat</b>	0	-35	-35	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.67	-90.87
<b>Sup. Fan Heat</b>	0	0	1,081	7	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	14,176	80	15,337	100.00	12,310	100.00	-21,185	100.00	-36,038	-36,038	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Gross (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb									
Main Clg	1.3	15.3	13.5	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	397	Main Htg	-36.0	793	54.2	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
<b>Total</b>	1.3	15.3									ExFlr	0	Reheat	-15.2	793	53.8	71.0		
											Roof	0	Humidif	0.0	0	0.0	0.0		
											Wall	352	204	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-36.0			

# Room Checksums

By Trial

1E-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design						
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1						
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,378	2,378
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,378	2,378
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,378	2,378
Glass Solar	23,078	0	23,078	50	24,663	67	0	0.00	0	0	0.00	Sec Fan	0	0
Glass/Door Cond	2,085	0	2,085	5	1,835	5	-14,578	13.49	-14,578	-14,578	13.49	Nom Vent	0	0
Wall Cond	1,117	604	1,721	4	1,198	3	-1,030	1.47	-1,030	-1,589	1.47	AHU Vent	0	0
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	137	137
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	238	2,378
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	2,515	2,515
Infiltration	5,480	0	5,480	12	1,339	4	-10,955	10.14	-10,955	-10,955	10.14	Exhaust	137	137
Sub Total ==>	31,761	604	32,365	70	29,034	79	-26,563	25.11	-26,563	-27,122	25.11	Rm Exh	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>ENGINEERING CKS</b>		
Lights	3,652	0	3,652	8	3,652	10	0	0.00	0	0	0.00	% OA	0.0	0.0
People	3,741	0	3,741	8	2,079	6	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Misc	1,897	0	1,897	4	1,897	5	0	0.00	0	0	0.00	cfm/ton	620.33	
Sub Total ==>	9,290	0	9,290	20	7,627	21	0	0.00	0	0	0.00	ft²/ton	310.16	
Ceiling Load	259	-259	0	0	262	1	-112	0.00	-112	0	0.00	Btu/hr-ft²	38.69	-90.87
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	8.3	7.0/1000 ft²
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	-36,832	34.09	-36,832	-36,832	34.09			
Ov/Undr Sizing	1,207	0	1,207	3	0	0	0	-0.04	0	45	-0.04			
Exhaust Heat	0	-105	-105	0	0	0	0	0.00	0	0	0.00			
Sup. Fan Heat	0	0	3,241	7	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-43,742	40.49			
Duct Heat Pkup	0	0	0	0	0	0	0	0.35	0	-381	0.35			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	42,517	240	45,998	100.00	36,924	100.00	-63,507	100.00	-63,507	-108,032	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	3.8	46.0	40.4	2,378	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,189		Main Htg	-108.0	2,378	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-45.6	2,378	53.8	71.0	
Total	3.8	46.0									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	1,055	612	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-108.0			

# Room Checksums

By Trial

1E-P-NW-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	11,539	0	11,539	50	12,331	67	0	0.00	0	0	0.00	Diffuser	1,189	1,189
Glass/Door Cond	1,043	0	1,043	5	917	5	-7,289	13.49	-7,289	-7,289	13.49	Terminal	1,189	1,189
Wall Cond	559	302	861	4	599	3	-515	1.47	-515	-795	1.47	Main Fan	1,189	1,189
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,740	0	2,740	12	669	4	-5,477	10.14	-5,477	-5,477	10.14	Infil	68	68
Sub Total ==>	15,880	302	16,182	70	14,517	79	-13,282	25.11	-13,282	-13,561	25.11	MinStop/Rh	119	1,189
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,257	1,257
Lights	1,826	0	1,826	8	1,826	10	0	0.00	0	0	0.00	Exhaust	68	68
People	1,871	0	1,871	8	1,039	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	948	0	948	4	948	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,645	0	4,645	20	3,814	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	129	-129	0	0	131	1	-56	0.00	-56	0	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	620.33	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-18,416	34.09	-18,416	-18,416	34.09	ft²/ton	310.16	
<b>Ov/Undr Sizing</b>	603	0	603	3	0	0	0	-0.04	0	23	-0.04	Btu/hr-ft²	38.69	-90.87
<b>Exhaust Heat</b>	0	-52	-52	0	0	0	0	0.00	0	0	0.00	No. People	4.2	7.0/1000 ft²
<b>Sup. Fan Heat</b>	0	0	1,620	7	0	0	0	0.00	0	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	-21,871	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.35	0	-191	0.35			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	21,258	120	22,999	100.00	18,462	100.00	-31,753	100.00	-31,753	-54,016	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
<b>Main Clg</b>	1.9	23.0	20.2	1,189	73.1	60.5	58.7	54.2	53.1	58.7	Floor	594					
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
<b>Total</b>	1.9	23.0									ExFlr	0					
											Roof	0	0	0			
											Wall	528	306	58			
											Ext Door	0	0	0			
											<b>Total</b>	-54.0					

# Room Checksums

By Trial

1E-P-NW-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	7,693	0	7,693	50	8,221	67	0	0.00	0	0	0.00	Diffuser	793	793
Glass/Door Cond	695	0	695	5	612	5	-4,859	13.48	-4,859	-4,859	13.48	Terminal	793	793
Wall Cond	372	201	574	4	399	3	-343	1.47	-343	-530	1.47	Main Fan	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,828	0	1,828	12	447	4	-3,654	10.14	-3,654	-3,654	10.14	Infil	46	46
Sub Total ==>	10,588	201	10,790	70	9,678	79	-8,857	25.09	-8,857	-9,044	25.09	MinStop/Rh	79	793
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	839	839
Lights	1,218	0	1,218	8	1,218	10	0	0.00	0	0	0.00	Exhaust	46	46
People	1,248	0	1,248	8	693	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	633	0	633	4	633	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,099	0	3,099	20	2,544	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-86	0	0	87	1	-37	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	402	0	402	3	0	0	-12,291	34.10	-12,291	-12,291	34.10	cfm/ton	620.62	71.0
Exhaust Heat	0	-35	-35	0	0	0	15	-0.04	0	0	0.00	ft²/ton	310.31	0.0
Sup. Fan Heat	0	0	1,081	7	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.67	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>14,176</b>	<b>80</b>	<b>15,337</b>	<b>100.00</b>	<b>12,310</b>	<b>100.00</b>	<b>-21,185</b>	<b>100.00</b>	<b>-21,185</b>	<b>-36,038</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	1.3	15.3	13.5	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	397		Main Htg	-36.0	793	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>1.3</b>	<b>15.3</b>									ExFlr	0		Reheat	-15.2	793	53.8	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	352	204	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-36.0</b>			

# Room Checksums

By Trial

1E-P-SE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: 62		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	10,513	0	10,513	52	10,513	89	0	0.00	0	0	0.00	Diffuser	622	607
Glass/Door Cond	-610	0	-610	-3	-610	-5	-4,223	15.30	-4,223	-4,223	15.30	Terminal	622	607
Wall Cond	301	201	503	2	301	3	-224	1.35	-224	-373	1.35	Main Fan	622	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-549	0	-549	-3	-373	-3	-2,798	10.14	-2,798	-2,798	10.14	Infil	35	35
Sub Total ==>	9,655	201	9,857	49	9,832	84	-7,246	26.80	-7,246	-7,395	26.80	MinStop/Rh	61	607
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	657	642
Lights	933	0	933	5	933	8	0	0.00	0	0	0.00	Exhaust	35	35
People	956	0	956	5	531	5	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	466	0	466	2	466	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,355	0	2,355	12	1,930	16	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	2	-2	0	0	2	0	-29	0.00	-29	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.05	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-8,948	32.43	-8,948	-8,948	32.43	cfm/ton	367.81	
Ov/Undr Sizing	7,229	0	7,229	36	0	0	0	-0.04	0	0	-0.04	ft²/ton	179.64	
Exhaust Heat	0	-1	-1	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	66.80	-90.87
Sup. Fan Heat	0	0	848	4	0	0	0	0.00	0	0	0.00	No. People	2.1	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	19,241	198	20,287	100.00	11,764	100.00	-16,223	100.00	-16,223	-27,596	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Gross Total	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.7	20.3	20.0	622	72.4	60.2	58.7	54.2	48.4	41.2	Floor	304	-27.6	607	54.2	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0		
											ExFlr	0	0.0	607	53.8	71.0		
<b>Total</b>	<b>1.7</b>	<b>20.3</b>									Roof	0	0	0	0.0	0.0		
											Wall	281	177	63	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0		
											<b>Total</b>	<b>-27.6</b>						

# Room Checksums

By Trial

1E-P-SE-L

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling			Heating				
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1						SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return			Ret/OA				
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD			Fn BldTD				
													Fn Frict							
<b>Envelope Loads</b>					<b>Envelope Loads</b>															
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	26,285	0	26,285	52	26,285	89	0	0	0.00	0	0	0.00								
	-1,525	0	-1,525	-3	-1,525	-5	-10,558	-10,558	15.30	-10,558	-10,558	15.30								
	754	503	1,257	2	754	3	-561	-933	1.35	-561	-933	1.35								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	-1,374	0	-1,374	-3	-933	-3	-6,996	-6,996	10.14	-6,996	-6,996	10.14								
	24,141	503	24,644	49	24,581	84	-18,115	-18,488	26.80	-18,115	-18,488	26.80								
<b>Internal Loads</b>					<b>Internal Loads</b>															
	2,332	0	2,332	5	2,332	8	0	0	0.00	0	0	0.00								
	2,389	0	2,389	5	1,327	5	0	0	0.00	0	0	0.00								
	1,166	0	1,166	2	1,166	4	0	0	0.00	0	0	0.00								
	5,888	0	5,888	12	4,826	16	0	0	0.00	0	0	0.00								
	5	-5	0	0	5	0	-71	0	0.00	-71	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	-22,370	-22,370	32.42	-22,370	-22,370	32.42								
	18,072	0	18,072	36	0	0	29	-0.04		29	-0.04									
	0	-2	0	0	0	0	0	0.00		0	0.00									
	0	0	2,119	4	0	0	0	0.00		0	0.00									
	0	0	0	0	0	0	-27,934	40.49		-27,934	40.49									
	0	0	0	0	0	0	-228	0.33		-228	0.33									
	0	0	0	0	0	0	0	0.00		0	0.00									
	0	0	0	0	0	0	0	0.00		0	0.00									
	48,105	496	50,720	100.00	29,412	100.00	-40,556	-68,991	100.00	-40,556	-68,991	100.00								

AIRFLOWS		
	Cooling	Heating
Diffuser	1,555	1,519
Terminal	1,555	1,519
Main Fan	1,555	1,519
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	87	87
MinStop/Rh	152	1,519
Return	1,642	1,606
Exhaust	87	87
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.05	2.00
cfm/ton	367.83	
ft²/ton	179.63	
Btu/hr-ft²	66.80	-90.87
No. People	5.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	4.2	50.7	50.1	1,555	72.4	60.2	58.7	54.2	48.4	41.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>4.2</b>	<b>50.7</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	759		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	704	443	63
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			°F	°F
Main Htg	-69.0	1,519	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-29.1	1,519	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-69.0</b>			

# Room Checksums

By Trial

1E-P-SE-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: 62		OADB: -1		OADB: -1				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)		Space Peak	Coil Peak	Percent Of Total				
	Btu/h	Btu/h	Btu/h		Btu/h			Space Sens	Tot Sens					
								Btu/h	Btu/h					
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00				
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00				
Glass Solar	10,513	0	10,513	52	10,513	89	Glass Solar	0	0	0.00				
Glass/Door Cond	-610	0	-610	-3	-610	-5	Glass/Door Cond	-4,223	-4,223	15.30				
Wall Cond	301	201	503	2	301	3	Wall Cond	-224	-373	1.35				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	-549	0	-549	-3	-373	-3	Infiltration	-2,798	-2,798	10.14				
Sub Total ==>	9,655	201	9,857	49	9,832	84	Sub Total ==>	-7,246	-7,395	26.80				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>		
Lights	933	0	933	5	933	8	Lights	0	0	0.00				
People	956	0	956	5	531	5	People	0	0	0.00				
Misc	466	0	466	2	466	4	Misc	0	0	0.00				
Sub Total ==>	2,355	0	2,355	12	1,930	16	Sub Total ==>	0	0	0.00				
Ceiling Load	2	-2	0	0	2	0	Ceiling Load	-29	0	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-8,948	-8,948	32.43				
Ov/Undr Sizing	7,229	0	7,229	36	0	0	Exhaust Heat	0	12	-0.04				
Exhaust Heat	0	-1	-1	0	0	0	OA Preheat Diff.	0	0	0.00				
Sup. Fan Heat	0	0	848	4	0	0	RA Preheat Diff.	0	0	0.00				
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	-11,174	40.49				
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	-91	0.33				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				
Grand Total ==>	19,241	198	20,287	100.00	11,764	100.00	Grand Total ==>	-16,223	-27,596	100.00				

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	1.7	20.3	20.0	622	72.4	60.2	58.7	54.2	48.4	41.2	Floor	304					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
Total	1.7	20.3									Roof	0	0	0			
											Wall	281	177	63			
											Ext Door	0	0	0			

# Room Checksums

By Trial

1E-P-SE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00				<b>AIRFLOWS</b>		
Glass Solar	31,539	0	31,539	52	89	Glass Solar	0	0.00				Diffuser	1,865	1,822
Glass/Door Cond	-1,829	0	-1,829	-3	-5	Glass/Door Cond	-12,669	15.30				Terminal	1,865	1,822
Wall Cond	904	604	1,508	2	3	Wall Cond	-673	1.35				Main Fan	1,865	1,822
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00				Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				AHU Vent	0	0
Infiltration	-1,648		-1,648	-3	-3	Infiltration	-8,395	10.14				Infil	105	105
Sub Total ==>	28,966	604	29,570	49	84	Sub Total ==>	-21,737	26.80				MinStop/Rh	182	1,822
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	1,970	1,927
Lights	2,799	0	2,799	5	8	Lights	0	0.00				Exhaust	105	105
People	2,867	0	2,867	5	5	People	0	0.00				Rm Exh	0	0
Misc	1,399	0	1,399	2	4	Misc	0	0.00				Auxiliary	0	0
Sub Total ==>	7,065	0	7,065	12	16	Sub Total ==>	0	0.00				Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-6	0	0	0	Ventilation Load	-86	0.00				<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00				% OA	0.0	0.0
Dehumid. Ov Sizing			0	0	0	Ov/Undr Sizing	-26,845	32.43				cfm/ft²	2.05	2.00
Ov/Undr Sizing	21,687		21,687	36	0	Exhaust Heat		-0.04				cfm/ton	367.81	
Exhaust Heat		-2	-2	0	0	OA Preheat Diff.		0.00				ft²/ton	179.64	
Sup. Fan Heat			2,543	4	0	RA Preheat Diff.		0.00				Btu/hr-ft²	66.80	-90.87
Ret. Fan Heat			0	0	0	Additional Reheat		-33,521	40.49			No. People	6.4	7.0/1000 ft²
Duct Heat Pkup			0	0	0	System Plenum Heat		-273	0.33					
Underflr Sup Ht Pkup			0	0	0	Underflr Sup Ht Pkup		0	0.00					
Supply Air Leakage			0	0	0	Supply Air Leakage		0	0.00					
<b>Grand Total ==&gt;</b>	<b>57,723</b>	<b>595</b>	<b>60,861</b>	<b>100.00</b>	<b>35,292</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-48,668</b>	<b>-82,789</b>	<b>100.00</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F									°F
Main Clg	5.1	60.9	60.1	1,865	72.4	60.2	58.7	54.2	48.4	41.2	Floor	911		Main Htg	-82.8	1,822	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-34.9	1,822	53.8	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
<b>Total</b>	<b>5.1</b>	<b>60.9</b>									Wall	844	532	63	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-82.8</b>			



# Room Checksums

By Trial

1E-P-SE-R

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10			Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 62 / 54 / 49			OADB: 62		OADB: -1						SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ra Plenum	72.0	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens		Btu/h	Btu/h		Return	72.0	70.7			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	15,772	0	15,772	52	15,772	89	0	0.00	0	0	0.00	Diffuser	933	911			
Glass/Door Cond	-915	0	-915	-3	-915	-5	-6,335	15.31	-6,335	-6,335	15.31	Terminal	933	911			
Wall Cond	452	302	754	2	452	3	-336	1.35	-336	-560	1.35	Main Fan	933	911			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0			
Infiltration	-824	0	-824	-3	-560	-3	-4,198	10.14	-4,198	-4,198	10.14	Infil	52	52			
<b>Sub Total ==&gt;</b>	<b>14,485</b>	<b>302</b>	<b>14,787</b>	<b>49</b>	<b>14,750</b>	<b>84</b>	<b>-10,869</b>	<b>26.80</b>	<b>-10,869</b>	<b>-11,093</b>	<b>26.80</b>	MinStop/Rh	91	911			
<b>Internal Loads</b>					<b>Internal Loads</b>										Return	985	963
Lights	1,399	0	1,399	5	1,399	8	0	0.00	0	0	0.00	Exhaust	52	52			
People	1,434	0	1,434	5	796	5	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	700	0	700	2	700	4	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Sub Total ==&gt;</b>	<b>3,533</b>	<b>0</b>	<b>3,533</b>	<b>12</b>	<b>2,895</b>	<b>16</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Leakage Dwn	0	0			
<b>Ceiling Load</b>	<b>3</b>	<b>-3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>-43</b>	<b>0.00</b>	<b>-43</b>	<b>0</b>	<b>0.00</b>	Leakage Ups	0	0			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
Dehumid. Ov Sizing	0	0	0	0	0	0	-13,422	32.42	-13,422	-13,422	32.42	cfm/ft²	2.05	2.00			
Ov/Undr Sizing	10,843	0	10,843	36	0	0	0	-0.04	0	0	-0.04	cfm/ton	367.84				
Exhaust Heat	0	-1	-1	0	0	0	0	0.00	0	0	0.00	ft²/ton	179.63				
Sup. Fan Heat	0	0	1,271	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	66.80	-90.87			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3.2	7.0/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>28,864</b>	<b>298</b>	<b>30,433</b>	<b>100.00</b>	<b>17,648</b>	<b>100.00</b>	<b>-24,334</b>	<b>100.00</b>	<b>-24,334</b>	<b>-41,395</b>	<b>100.00</b>						

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	2.5	30.4	30.1	933	72.4	60.2	58.7	54.2	48.4	41.2	Floor	456	Main Htg	-41.4	911	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0	
											ExFlr	0	Reheat	-17.5	911	53.8	71.0	
<b>Total</b>	<b>2.5</b>	<b>30.4</b>									Roof	0	Humidif	0.0	0	0.0	0.0	
											Wall	422	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	<b>Total</b>	<b>-41.4</b>				

# Room Checksums

By Trial

1E-P-SE-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.0	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	10,513	0	10,513	52	10,513	89	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-610	0	-610	-3	-610	-5	-4,223	15.30	-4,223	-4,223	15.30	Diffuser	622	607
Wall Cond	301	201	503	2	301	3	-224	1.35	-224	-373	1.35	Terminal	622	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	622	607
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-549	0	-549	-3	-373	-3	-2,798	10.14	-2,798	-2,798	10.14	AHU Vent	0	0
Sub Total ==>	9,655	201	9,857	49	9,832	84	-7,246	26.80	-7,246	-7,395	26.80	Infil	35	35
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	61	607
Lights	933	0	933	5	933	8	0	0.00	0	0	0.00	Return	657	642
People	956	0	956	5	531	5	0	0.00	0	0	0.00	Exhaust	35	35
Misc	466	0	466	2	466	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	2,355	0	2,355	12	1,930	16	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-2	0	0	2	0	-29	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Ov/Undr Sizing	7,229	0	7,229	36	0	0	-8,948	32.43	-8,948	-8,948	32.43	cfm/ft²	2.05	2.00
Exhaust Heat	0	-1	-1	0	0	0	0	-0.04	0	0	-0.04	cfm/ton	367.81	
Sup. Fan Heat	0	0	848	4	0	0	0	0.00	0	0	0.00	ft²/ton	179.64	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	66.80	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.1	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	19,241	198	20,287	100.00	11,764	100.00	-16,223	100.00	-16,223	-27,596	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	1.7	20.3	20.0	622	72.4	60.2	58.7	54.2	48.4	41.2	Floor	304		Main Htg	-27.6	607	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-11.6	607	53.8	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	281	177	63	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-27.6			
Total	1.7	20.3																	

# Room Checksums

By Trial

1W-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,548	2,548	32	790	19	-4,739	-4,739	10.14	-4,739	-4,739	10.14	Infil	59	59
Sub Total ==>	2,548	2,548	32	790	19	-4,739	-4,739	10.14	-4,739	-4,739	10.14	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	0	1,580	20	1,580	0	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	0	1,618	21	899	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	764	0	764	10	764	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	0	3,962	50	3,242	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	118	-118	0	0	118	-48	0	0.00	-48	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0								cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-22,685	-22,685	48.54	-22,685	-22,685	48.54	cfm/ton	1,569.55	
Exhaust Heat		-48	-48	-1								ft²/ton	784.77	
Sup. Fan Heat			1,402	18								Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat		0	0	0								No. People	3.6	7.0/1000 ft²
Duct Heat Pkup		0	0	0										
Underflr Sup Ht Pkup		0	0	0										
Supply Air Leakage		0	0	0										
<b>Grand Total ==&gt;</b>	<b>6,628</b>	<b>-166</b>	<b>7,864</b>	<b>100.00</b>	<b>4,151</b>	<b>100.00</b>	<b>-27,472</b>	<b>-46,733</b>	<b>100.00</b>	<b>-27,472</b>	<b>-46,733</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.7	7.9	5.4	1,029	73.1	60.5	58.7	54.2	53.1	58.7	Floor	514		Main Htg	-46.7	1,029	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.7</b>	<b>7.9</b>									ExFlr	0		Reheat	-19.7	1,029	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-46.7</b>			

# Room Checksums

By Trial

1W-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	2,572	2,572
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	2,572	2,572
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	2,572	2,572
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	6,371	0	6,371	32	1,975	19	-11,847	10.14	-11,847	-11,847	10.14				AHU Vent	0	0
Sub Total ==>	6,371	0	6,371	32	1,975	19	-11,847	10.14	-11,847	-11,847	10.14				Infil	148	148
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	257	2,572
Lights	3,949	0	3,949	20	3,949	38	0	0.00	0	0	0.00				Return	2,719	2,719
People	4,046	0	4,046	21	2,248	22	0	0.00	0	0	0.00	Exhaust	148	148			
Misc	1,909	0	1,909	10	1,909	18	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	9,904	0	9,904	50	8,106	78	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	-296	0	0	296	3	-121	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	0	-56,712	48.54	-56,712	48.54	% OA				0.0	0.0	
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.04	49	-0.04	cfm/ft²				2.00	2.00	
Exhaust Heat	0	-120	-120	-1	0	0	0	0.00	0	0	0.00				cfm/ton	1,569.55	
Sup. Fan Heat	0	0	3,505	18	0	0	0	0.00	0	0	0.00				ft²/ton	784.78	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-47,305	40.49	Btu/hr-ft²				15.29	-90.87	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	-1,017	0.87	No. People				9.0	7.0/1000 ft²	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	16,571	-415	19,660	100.00	10,377	100.00	-68,680	100.00	-116,832	-116,832	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	1.6	19.7	13.5	2,572	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,286	Main Htg	-116.8	2,572	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-49.3	2,572	53.8	71.0
<b>Total</b>	<b>1.6</b>	<b>19.7</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-116.8</b>			

# Room Checksums

By Trial

1W-I-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,548	2,548	32	790	19	-4,739	-4,739	10.14	-4,739	-4,739	10.14	Infil	59	59
Sub Total ==>	2,548	2,548	32	790	19	-4,739	-4,739	10.14	-4,739	-4,739	10.14	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	1,580	20	1,580	38	0	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	1,618	21	899	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	764	764	10	764	18	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	3,962	50	3,242	78	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	118	-118	0	118	3	-48	0	0.00	-48	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-22,685	-22,685	48.54	-22,685	-22,685	48.54	cfm/ton	1,569.55	
Exhaust Heat	0	-48	-1	0	0	0	19	-0.04	0	0	0.00	ft²/ton	784.77	
Sup. Fan Heat	0	1,402	18	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,628</b>	<b>-166</b>	<b>7,864</b>	<b>100.00</b>	<b>4,151</b>	<b>100.00</b>	<b>-27,472</b>	<b>100.00</b>	<b>-46,733</b>	<b>-46,733</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.7	7.9	5.4	1,029	73.1	60.5	58.7	54.2	53.1	58.7	Floor	514		Main Htg	-46.7	1,029	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-19.7	1,029	53.8	71.0
<b>Total</b>	<b>0.7</b>	<b>7.9</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-46.7</b>			

# Room Checksums

By Trial

1W-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	3,086	3,086
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	3,086	3,086
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	3,086	3,086
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	7,645	7,645	32	2,369	19	-14,217	-14,217	10.14	-14,217	-14,217	10.14	Infil	177	177
Sub Total ==>	7,645	7,645	32	2,369	19	-14,217	-14,217	10.14	-14,217	-14,217	10.14	MinStop/Rh	309	3,086
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	3,263	3,263
Lights	4,739	0	4,739	20	4,739	0	0	0.00	0	0	0.00	Exhaust	177	177
People	4,855	0	4,855	21	2,697	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	2,291	0	2,291	10	2,291	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	11,885	0	11,885	50	9,727	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	355	-355	0	0	355	3	-145	0.00	-145	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-68,054	48.54	-68,054	-68,054	48.54	cfm/ton	1,569.55	
Ov/Undr Sizing	0	0	0	0	0	0	58	-0.04	58	-0.04	-0.04	ft²/ton	784.78	
Exhaust Heat	-143	-143	-1	-1	-143	0	0	0.00	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Sup. Fan Heat	4,206	4,206	18	18	4,206	0	0	0.00	0	0	0.00	No. People	10.8	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	-56,766	40.49	-56,766	-56,766	40.49			
Underflr Sup Ht Pkup	0	0	0	0	0	0	-1,220	0.87	-1,220	-1,220	0.87			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	19,885	-498	23,592	100.00	12,452	100.00	-82,416	100.00	-82,416	-140,199	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	2.0	23.6	16.2	3,086	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,543	Main Htg	-140.2	3,086	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-59.2	3,086	53.8	71.0
<b>Total</b>	<b>2.0</b>	<b>23.6</b>									Roof	0	0	0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													<b>Total</b>	<b>-140.2</b>			

# Room Checksums

By Trial

1W-I-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,543	1,543
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,543	1,543
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,543	1,543
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	3,822	0	3,822	32	1,185	19	-7,108	10.14	-7,108	-7,108	10.14	AHU Vent	0	0
Sub Total ==>	3,822	0	3,822	32	1,185	19	-7,108	10.14	-7,108	-7,108	10.14	Infil	89	89
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	154	1,543
Lights	2,370	0	2,370	20	2,370	38	0	0.00	0	0	0.00	Return	1,632	1,632
People	2,428	0	2,428	21	1,349	22	0	0.00	0	0	0.00	Exhaust	89	89
Misc	1,145	0	1,145	10	1,145	18	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,943	0	5,943	50	4,864	78	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-178	0	0	178	3	-72	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	-34,027	-34,027	48.54	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	29	-0.04	cfm/ft²	2.00	2.00
Exhaust Heat	0	-72	-72	-1	0	0	0	0.00	0	0	0.00	cfm/ton	1,569.55	
Sup. Fan Heat	0	0	2,103	18	0	0	0	0.00	0	0	0.00	ft²/ton	784.77	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-28,383	-610	40.49	Btu/hr-ft²	15.29	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	5.4	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	9,943	-249	11,796	100.00	6,226	100.00	-41,208		-70,099	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.0	11.8	8.1	1,543	73.1	60.5	58.7	54.2	53.1	58.7	Floor	771		Main Htg	-70.1	1,543	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	1.0	11.8									ExFlr	0		Reheat	-29.6	1,543	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-70.1			

# Room Checksums

By Trial

1W-I-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,548	2,548	32	790	19	-4,739	-4,739	10.14	-4,739	-4,739	10.14	Infil	59	59
Sub Total ==>	2,548	2,548	32	790	19	-4,739	-4,739	10.14	-4,739	-4,739	10.14	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	1,580	20	1,580	38	0	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	1,618	21	899	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	764	764	10	764	18	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	3,962	50	3,242	78	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	118	-118	0	118	3	-48	0	0.00	-48	0	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,569.55	
<b>Dehumid. Ov Sizing</b>			0									ft²/ton	784.77	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	-22,685	-22,685	48.54	-22,685	-22,685	48.54	Btu/hr-ft²	15.29	-90.87
<b>Exhaust Heat</b>		-48	-48	-1		0	19	-0.04	0	0	0.00	No. People	3.6	7.0/1000 ft²
<b>Sup. Fan Heat</b>			1,402	18		0	0	0.00	0	0	0.00			
<b>Ret. Fan Heat</b>		0	0	0		0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>		0	0	0		0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>		0	0	0		0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>		0	0	0		0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	6,628	-166	7,864	100.00	4,151	100.00	-27,472	100.00	-27,472	-46,733	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.7	7.9	5.4	1,029	73.1	60.5	58.7	54.2	53.1	58.7	Floor	514		Main Htg	-46.7	1,029	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-19.7	1,029	53.8	71.0
<b>Total</b>	0.7	7.9									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-46.7			



# Room Checksums

By Trial

1W-P-N-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling		Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total (%)	Space Sens	Coil Peak	Percent Of Total (%)	Ra Plenum	72.7	70.7		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7		
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>				
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>Diffuser</b>		Cooling	173	173
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>Terminal</b>	173	173	<b>Heating</b>	173
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>Main Fan</b>	173	173		
Glass Solar	229	0	229	13	21	0	0	0.00	0	0	0.00	<b>Sec Fan</b>	0	0		
Glass/Door Cond	101	0	101	6	9	-630	-630	8.04	-630	-630	8.04	<b>Nom Vent</b>	0	0		
Wall Cond	54	17	72	4	5	-107	-142	1.82	-107	-142	1.82	<b>AHU Vent</b>	0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>Infil</b>	10	10		
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>MinStop/Rh</b>	17	173		
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>Return</b>	183	183		
Infiltration	428	0	428	25	12	-795	-795	10.14	-795	-795	10.14	<b>Exhaust</b>	10	10		
Sub Total ==>	811	17	829	48	48	-1,533	-1,568	19.99	-1,533	-1,568	19.99	<b>Rm Exh</b>	0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>				
Lights	265	0	265	15	25	0	0	0.00	0	0	0.00	<b>% OA</b>	0.0	0.0		
People	272	0	272	16	14	0	0	0.00	0	0	0.00	<b>cfm/ft²</b>	2.00	2.00		
Misc	128	0	128	7	12	0	0	0.00	0	0	0.00	<b>cfm/ton</b>	1,203.67			
Sub Total ==>	665	0	665	39	50	0	0	0.00	0	0	0.00	<b>ft²/ton</b>	601.83			
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Btu/hr-ft²</b>				
Ventilation Load	0	0	0	0	0	-8	0	0.00	-8	0	0.00		19.94		-90.87	
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>No. People</b>	0.6	7.0/1000 ft²		
Dehumid. Ov Sizing	0	0	0	0	0	-3,069	-3,069	39.14	-3,069	-3,069	39.14					
Ov/Undr Sizing	0	0	0	0	0	3	-0.04	0.00	3	-0.04	0.00					
Exhaust Heat	-8	-8	0	0	0	0	0	0.00	0	0	0.00					
Sup. Fan Heat	0	235	14	0	0	0	0	0.00	0	0	0.00					
Ret. Fan Heat	0	0	0	0	0	-3,175	40.49	40.49	-3,175	40.49	40.49					
Duct Heat Pkup	0	0	0	0	0	-33	0.42	0.42	-33	0.42	0.42					
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00					
<b>Grand Total ==&gt;</b>	<b>1,496</b>	<b>-10</b>	<b>1,721</b>	<b>100.00</b>	<b>1,080</b>	<b>1,080</b>	<b>100.00</b>	<b>100.00</b>	<b>-4,610</b>	<b>-7,842</b>	<b>100.00</b>					

COOLING COIL SELECTION										
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
<b>Main Clg</b>	0.1	1.7	173	73.1	60.5	58.7	54.2	53.1	58.7	
<b>Aux Clg</b>	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Opt Vent</b>	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Total</b>	<b>0.1</b>	<b>1.7</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	86	0	0
<b>Part</b>	0	0	0
<b>Int Door</b>	0	0	0
<b>ExFlr</b>	0	0	0
<b>Roof</b>	0	0	0
<b>Wall</b>	66	26	40
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-7.8	173	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-3.3	173	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	<b>-7.8</b>			

Project Name: WEX Building  
 Dataset Name: WEX\_007.trc

TRACE® 700 v6.3.3 calculated at 01:00 PM on 10/05/2017  
 Alternative - 2 System Checksums Report Page 182 of 304

# Room Checksums

By Trial

1W-P-N-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total					
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	0	0	0.00					
Glass Solar	572	0	572	2	572	3	0	0	0.00					
Glass/Door Cond	252	0	252	1	252	1	-1,575	-1,575	0.80					
Wall Cond	135	43	179	1	135	1	-268	-356	0.18					
Partition/Door	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0.00					
Infiltration	10,690	0	10,690	31	3,313	18	-19,880	-19,880	10.14					
Sub Total ==>	11,649	43	11,693	34	4,273	23	-21,724	-21,811	11.13					
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>						
Lights	6,627	0	6,627	19	6,627	36	0	0	0.00					
People	6,789	0	6,789	20	3,772	21	0	0	0.00					
Misc	3,203	0	3,203	9	3,203	17	0	0	0.00					
Sub Total ==>	16,620	0	16,620	49	13,602	74	0	0	0.00					
Ceiling Load	496	-496	0	0	496	3	-202	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0			-93,320	-93,320	47.60					
Ov/Undr Sizing	0		0	0	0	0	82	-0.04						
Exhaust Heat		-201	-201	-1			0	0.00						
Sup. Fan Heat			5,881	17			0	0.00						
Ret. Fan Heat		0	0	0			-79,378	40.49						
Duct Heat Pkup		0	0	0			-1,619	0.83						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	28,765	-654	33,993	100.00	18,371	100.00	-115,246	-196,046	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	2.8	34.0	23.6	4,315	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,158	-196.1	4,315	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	0	0.0	0.0
Total	2.8	34.0		0	0.0	0.0	0.0	0.0	0.0	0.0	Roof	0	0	0	0.0	0.0
											Wall	165	66	40	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											Total	-196.1				

# Room Checksums

By Trial

1W-P-N-M

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1						55.0	95.0	
	Space	Plenum	Net	Percent	Space	Percent	Space	Coil Peak	Percent						
	Sens. + Lat.	Sens. + Lat	Total	Of Total										Sensible	Of Total
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h			
<b>Envelope Loads</b>															
Skylite Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00	SADB		
Skylite Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Ra Plenum		
Roof Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Return		
Glass Solar	229	0	229	13	229	21	0	0	0.00	0	0	0.00	Ret/OA		
Glass/Door Cond	101	0	101	6	101	9	-630	-630	8.04	-630	-630	8.04	Fn MtrTD		
Wall Cond	54	17	72	4	54	5	-107	-142	1.82	-107	-142	1.82	Fn BldTD		
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict		
Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	428	0	428	25	133	12	-795	-795	10.14	-795	-795	10.14			
Sub Total ==>	811	17	829	48	516	48	-1,533	-1,568	19.99	-1,533	-1,568	19.99			
<b>Internal Loads</b>															
Lights	265	0	265	15	265	25	0	0	0.00	0	0	0.00			
People	272	0	272	16	151	14	0	0	0.00	0	0	0.00			
Misc	128	0	128	7	128	12	0	0	0.00	0	0	0.00			
Sub Total ==>	665	0	665	39	544	50	0	0	0.00	0	0	0.00			
<b>Ceiling Load</b>															
Ventilation Load	0	0	0	0	0	0	-8	0	0.00	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	-3,069	-3,069	39.14	-3,069	-3,069	39.14			
Ov/Undr Sizing	0	0	0	0	0	0	3	0	-0.04	3	0	-0.04			
Exhaust Heat	0	-8	-8	0	0	0	0	0	0.00	0	0	0.00			
Sup. Fan Heat	0	0	235	14	0	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	-33	-33	0.42	-33	-33	0.42			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,496	-10	1,721	100.00	1,080	100.00	-4,610	-7,842	100.00	-4,610	-7,842	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	173	173
Terminal	173	173
Main Fan	173	173
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	10	10
MinStop/Rh	17	173
Return	183	183
Exhaust	10	10
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,203.67	
ft²/ton	601.83	
Btu/hr-ft²	19.94	-90.87
No. People	0.6	7.0/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	0.1	1.7	1.3	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86			Main Htg	-7.8	173	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-3.3	173	53.8	71.0
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	66	26	40	Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>0.1</b>	<b>1.7</b>									<b>Ext Door</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Total</b>	<b>-7.8</b>			

# Room Checksums

By Trial

1W-P-N-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Mo/Hr: 7 / 15				Mo/Hr: 7 / 15				Mo/Hr: Heating Design				Cooling	Heating		
Outside Air: OADB/WB/HR: 84 / 72 / 99				OADB: 84				OADB: -1				SADB	55.0	95.0	
Space Sens. + Lat.		Plenum Sens. + Lat.		Net Total		Percent Of Total		Space Sensible		Percent Of Total		Space Peak	Coil Peak	Percent	
Btu/h		Btu/h		Btu/h		%		Btu/h		%		Btu/h	Btu/h	%	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>							
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
Roof Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
Glass Solar	686	0	686	13	686	21	686	21	686	0	0	0	0	0.00	
Glass/Door Cond	303	0	303	6	303	9	303	9	303	-1,890	-1,890	8.04	8.04	8.04	
Wall Cond	162	52	215	4	162	5	162	5	162	-322	-427	1.82	1.82	1.82	
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	
Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	
Infiltration	1,283	0	1,283	25	398	12	398	12	398	-2,386	-2,386	10.14	10.14	10.14	
<i>Sub Total ==&gt;</i>	2,434	52	2,486	48	1,549	48	1,549	48	1,549	-4,598	-4,703	19.99	19.99	19.99	
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							
Lights	795	0	795	15	795	25	795	25	795	0	0	0.00	0	0.00	
People	815	0	815	16	453	14	453	14	453	0	0	0.00	0	0.00	
Misc	384	0	384	7	384	12	384	12	384	0	0	0.00	0	0.00	
<i>Sub Total ==&gt;</i>	1,994	0	1,994	39	1,632	50	1,632	50	1,632	0	0	0.00	0	0.00	
<b>Ceiling Load</b>	60	-60	0	0	60	2	60	2	60	-24	0	0.00	0	0.00	
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Dehumid. Ov Sizing</b>			0	0			0	0		-9,207	-9,207	39.14	39.14	39.14	
<b>Ov/Undr Sizing</b>	0		0	0	0	0	0	0	0		10	-0.04	10	-0.04	
<b>Exhaust Heat</b>		-24	-24	0			0	0			0	0.00	0	0.00	
<b>Sup. Fan Heat</b>			706	14			706	14			0	0.00	0	0.00	
<b>Ret. Fan Heat</b>		0	0	0			0	0			-9,525	40.49	-9,525	40.49	
<b>Duct Heat Pkup</b>		0	0	0			0	0			-100	0.42	-100	0.42	
<b>Underflr Sup Ht Pkup</b>			0	0			0	0			0	0.00	0	0.00	
<b>Supply Air Leakage</b>		0	0	0			0	0			0	0.00	0	0.00	
<b>Grand Total ==&gt;</b>	4,488	-31	5,162	100.00	3,241	100.00	3,241	100.00	3,241	-13,829	-23,526	100.00	100.00	100.00	

AIRFLOWS		
	Cooling	Heating
Diffuser	518	518
Terminal	518	518
Main Fan	518	518
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	30	30
MinStop/Rh	52	518
Return	548	548
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,203.67	
ft²/ton	601.83	
Btu/hr-ft²	19.94	-90.87
No. People	1.8	7.0/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	%	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
<b>Main Clg</b>	0.4	5.2	3.9	518	73.1	60.5	58.7	54.2	53.1	58.7	Floor	259					
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
<b>Total</b>	0.4	5.2									ExFlr	0					
											Roof	0	0	0			
											Wall	198	79	40			
											Ext Door	0	0	0			
											<b>Total</b>	<b>-23.5</b>					

### Room Checksums

By Trial

1W-P-N-R

COOLING COIL PEAK	CLG SPACE PEAK	HEATING COIL PEAK							
Peaked at Time: Mo/Hr: 7 / 15	Mo/Hr: 7 / 15	Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 84 / 72 / 99	OADB: 84	OADB: -1							
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Space Peak Btu/h	Coil Peak Btu/h	Percent Of Total (%)	
<b>Envelope Loads</b>			<b>Envelope Loads</b>			<b>Envelope Loads</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	
Skylite Cond	0	0	0	0	0	0	0	0.00	
Roof Cond	0	0	0	0	0	0	0	0.00	
Glass Solar	343	0	343	13	21	0	0	0.00	
Glass/Door Cond	151	0	151	6	9	-945	-945	8.04	
Wall Cond	81	26	107	4	5	-161	-214	1.82	
Partition/Door	0	0	0	0	0	0	0	0.00	
Floor	0	0	0	0	0	0	0	0.00	
Adjacent Floor	0	0	0	0	0	0	0	0.00	
Infiltration	641	0	641	25	12	-1,193	-1,193	10.14	
<b>Sub Total ==&gt;</b>	<b>1,217</b>	<b>26</b>	<b>1,243</b>	<b>48</b>	<b>48</b>	<b>-2,299</b>	<b>-2,352</b>	<b>19.99</b>	
<b>Internal Loads</b>			<b>Internal Loads</b>			<b>Internal Loads</b>			
Lights	398	0	398	15	25	0	0	0.00	
People	407	0	407	16	14	0	0	0.00	
Misc	192	0	192	7	12	0	0	0.00	
<b>Sub Total ==&gt;</b>	<b>997</b>	<b>0</b>	<b>997</b>	<b>39</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	
Ceiling Load	30	-30	0	0	2	-12	0	0.00	
Ventilation Load	0	0	0	0	0	0	0	0.00	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	
Dehumid. Ov Sizing			0	0		-4,604	-4,604	39.14	
Ov/Undr Sizing	0	0	0	0	0	5	-0.04	0.00	
Exhaust Heat		-12	-12	0		0	0	0.00	
Sup. Fan Heat			353	14		0	0	0.00	
Ret. Fan Heat		0	0	0		-4,763	0	40.49	
Duct Heat Pkup		0	0	0		-50	0	0.42	
Underflr Sup Ht Pkup		0	0	0		0	0	0.00	
Supply Air Leakage		0	0	0		0	0	0.00	
<b>Grand Total ==&gt;</b>	<b>2,244</b>	<b>-16</b>	<b>2,581</b>	<b>100.00</b>	<b>1,620</b>	<b>100.00</b>	<b>-6,915</b>	<b>-11,763</b>	<b>100.00</b>

TEMPERATURES		
	Cooling	Heating
SADB	55.0	95.0
Ra Plenum	72.7	70.7
Return	72.7	70.7
Ret/OA	72.7	70.7
Fn MtrTD	0.1	0.0
Fn BldTD	0.3	0.0
Fn Frict	0.8	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	259	259
Terminal	259	259
Main Fan	259	259
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	15	15
MinStop/Rh	26	259
Return	274	274
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,203.67	
ft²/ton	601.83	
Btu/hr-ft²	19.94	-90.87
No. People	0.9	7.0/1000 ft²

COOLING COIL SELECTION									
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.6	259	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.2</b>	<b>2.6</b>							

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	129		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	99	40	40
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-11.8	259	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-5.0	259	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-11.8</b>			

# Room Checksums

By Trial

1W-P-N-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	229	0	13	229	21	0	0	0.00	0	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	101	0	6	101	9	-630	-630	8.04	-630	-630	8.04	Terminal	173	173
Wall Cond	54	17	4	54	5	-107	-142	1.82	-107	-142	1.82	Main Fan	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	428	0	25	133	12	-795	-795	10.14	-795	-795	10.14	Infil	10	10
Sub Total ==>	811	17	48	516	48	-1,533	-1,568	19.99	-1,533	-1,568	19.99	MinStop/Rh	17	173
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	183	183
Lights	265	0	15	265	25	0	0	0.00	0	0	0.00	Exhaust	10	10
People	272	0	16	151	14	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	128	0	7	128	12	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	665	0	39	544	50	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	20	-20	0	20	2	-8	0	0.00	-8	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	Cooling	Heating
Dehumid. Ov Sizing	0	0	0	0	0	-3,069	-3,069	39.14	-3,069	-3,069	39.14	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	3	-0.04	0	0	0.00	cfm/ton	1,203.67	
Exhaust Heat	0	-8	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	601.83	
Sup. Fan Heat	0	0	14	235	14	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.94	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-3,175	40.49	40.49	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	-33	0.42	0	-33	0.42			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,496	-10	100.00	1,721	100.00	-4,610	-7,842	100.00	-4,610	-7,842	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg			
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh
Main Clg	0.1	1.7	1.3	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86	Main Htg	-7.8	173	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.3	173	53.8	71.0
											Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	66	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-7.8			
Total	0.1	1.7															

# Room Checksums

By Trial

1W-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17				Mo/Hr: 6 / 17				Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 82 / 71 / 97				OADB: 81				OADB: -1					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total (%)		Cooling	Heating		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens						
<b>Envelope Loads</b>				<b>Envelope Loads</b>									
Skylite Solar	0	0	0	0	0	0	0	0.00	SADB	55.0	95.0		
Skylite Cond	0	0	0	0	0	0	0	0.00	Ra Plenum	72.7	70.7		
Roof Cond	0	0	0	0	0	0	0	0.00	Return	72.7	70.7		
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	Ret/OA	72.7	70.7		
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	Fn MtrTD	0.1	0.0		
Wall Cond	126	56	182	5	135	5	-116	2.25	Fn BldTD	0.3	0.0		
Partition/Door	0	0	0	0	0	0	0	0.00	Fn Frict	0.8	0.0		
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	379	0	379	10	93	3	-758	10.14					
<i>Sub Total ==&gt;</i>	2,592	56	2,648	73	2,425	82	-2,083	28.55					
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>AIRFLOWS</b>		
Lights	253	0	253	7	253	9	0	0.00					
People	259	0	259	7	144	5	0	0.00					
Misc	131	0	131	4	131	4	0	0.00					
<i>Sub Total ==&gt;</i>	643	0	643	18	528	18	0	0.00					
<b>Ceiling Load</b>	18	-18	0	0	18	1	-8	0.00					
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00					
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0					
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-2,305	30.82					
<b>Ov/Undr Sizing</b>	105	0	105	3	0	0	3	-0.04					
<b>Exhaust Heat</b>	0	-7	-7	0	0	0	0	0.00					
<b>Sup. Fan Heat</b>	0	0	224	6	0	0	0	0.00					
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-3,028	40.49					
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	-13	0.18					
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00					
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00					
<i>Grand Total ==&gt;</i>	3,358	31	3,613	100.00	2,971	100.00	-4,396	100.00					

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
<b>Main Clg</b>	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82	Main Htg	-7.5	165	54.2	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.2	165	53.8	71.0
<b>Total</b>	0.3	3.6									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	98	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-7.5			

Project Name: WEX Building  
Dataset Name: WEX\_007.trc

TRACE® 700 v6.3.3 calculated at 01:00 PM on 10/05/2017  
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# Room Checksums

By Trial

1W-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17				Mo/Hr: 6 / 17				Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 82 / 71 / 97				OADB: 81				OADB: -1					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total					
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens						
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	SADB	55.0	95.0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Ra Plenum	72.7	70.7		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Return	72.7	70.7		
Glass Solar	4,780	0	4,780	53	5,108	69	Glass Solar	0	0.00	Ret/OA	72.7	70.7	
Glass/Door Cond	432	0	432	5	380	5	Glass/Door Cond	-3,019	16.15	Fn MtrTD	0.1	0.0	
Wall Cond	315	139	455	5	338	5	Wall Cond	-291	2.24	Fn BldTD	0.3	0.0	
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0.00	Fn Frict	0.8	0.0	
Floor	0	0	0	0	0	0	Floor	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00				
Infiltration	948	0	948	11	232	3	Infiltration	-1,896	10.14				
<b>Sub Total ==&gt;</b>	<b>6,475</b>	<b>139</b>	<b>6,614</b>	<b>73</b>	<b>6,057</b>	<b>82</b>	<b>Sub Total ==&gt;</b>	<b>-5,206</b>	<b>-5,335</b>	<b>28.53</b>			
<b>Internal Loads</b>				<b>Internal Loads</b>									
Lights	632	0	632	7	632	9	Lights	0	0.00				
People	647	0	647	7	360	5	People	0	0.00				
Misc	328	0	328	4	328	4	Misc	0	0.00				
<b>Sub Total ==&gt;</b>	<b>1,608</b>	<b>0</b>	<b>1,608</b>	<b>18</b>	<b>1,320</b>	<b>18</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0</b>	<b>0.00</b>			
Ceiling Load	45	-45	0	0	45	1	Ceiling Load	-19	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-5,766	30.84				
Ov/Undr Sizing	263	0	263	3	0	0	Exhaust Heat	8	-0.04				
Exhaust Heat	0	-18	-18	0	0	0	OA Preheat Diff.	0	0.00				
Sup. Fan Heat	0	0	561	6	0	0	RA Preheat Diff.	0	0.00				
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-7,570	40.49				
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-34	0.18				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00				
<b>Grand Total ==&gt;</b>	<b>8,391</b>	<b>77</b>	<b>9,028</b>	<b>100.00</b>	<b>7,423</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-10,990</b>	<b>-18,696</b>	<b>100.00</b>			

AIRFLOWS		
	Cooling	Heating
Diffuser	412	412
Terminal	412	412
Main Fan	412	412
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	24	24
MinStop/Rh	41	412
Return	435	435
Exhaust	24	24
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	546.96	
ft²/ton	273.48	
Btu/hr-ft²	43.88	-90.87
No. People	1.4	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.8	9.0	8.1	412	73.1	60.5	58.7	54.2	52.8	57.4
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.8</b>	<b>9.0</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	206		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	244	127	52
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-18.7	412	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-7.9	412	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	<b>-18.7</b>			



# Room Checksums

By Trial

1W-P-NW-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total (%)	Space Sens	Tot Sens	Percent Of Total (%)	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	-1,209	-1,209	16.16	Diffuser	165	165
Wall Cond	126	56	182	5	135	5	-116	2.25	-168	-168	2.25	Terminal	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	379	0	379	10	93	3	-758	10.14	-758	-758	10.14	AHU Vent	0	0
<i>Sub Total ==&gt;</i>	2,592	56	2,648	73	2,425	82	-2,083	28.55	-2,135	-2,135	28.55	Infil	9	9
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	16	165
Lights	253	0	253	7	253	9	0	0.00	0	0	0.00	Return	174	174
People	259	0	259	7	144	5	0	0.00	0	0	0.00	Exhaust	9	9
Misc	131	0	131	4	131	4	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==&gt;</i>	643	0	643	18	528	18	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-18	0	0	18	1	-8	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Ov/Undr Sizing	105	0	105	3	0	0	-2,305	30.82	-2,305	-2,305	30.82	cfm/ft²	2.00	2.00
Exhaust Heat	0	-7	-7	0	0	0	3	-0.04	0	0	0.00	cfm/ton	546.66	
Sup. Fan Heat	0	0	224	6	0	0	0	0.00	0	0	0.00	ft²/ton	273.33	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-3,028	-3,028	40.49	Btu/hr-ft²	43.90	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	-13	-13	0.18	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	3,358	31	3,613	100.00	2,971	100.00	-4,396	100.00	-7,478	-7,478	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82		Main Htg	-7.5	165	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	0.3	3.6									ExFlr	0		Reheat	-3.2	165	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	98	51	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-7.5			

# Room Checksums

By Trial

1W-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1			Ra Plenum		70.7	72.7	70.7	
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	72.7	72.7	70.7	
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	72.7	70.7	70.7	
							Btu/h	Btu/h		Fn MtrTD	0.1	0.0	0.0	
										Fn BldTD	0.3	0.0	0.0	
										Fn Frict	0.8	0.0	0.0	
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Diffuser	494	494	494	
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Terminal	494	494	494	
Roof Cond	0	0	0	0	0	0	0	0	0.00	Main Fan	494	494	494	
Glass Solar	5,738	0	5,738	53	6,132	69	0	0	0.00	Sec Fan	0	0	0	
Glass/Door Cond	518	0	518	5	456	5	-3,624	-3,624	16.15	Nom Vent	0	0	0	
Wall Cond	378	167	546	5	406	5	-349	-504	2.25	AHU Vent	0	0	0	
Partition/Door	0	0	0	0	0	0	0	0	0.00	Infil	28	28	28	
Floor	0	0	0	0	0	0	0	0	0.00	MinStop/Rh	49	494	494	
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	Return	522	522	522	
Infiltration	1,138	0	1,138	11	278	3	-2,275	-2,275	10.14	Exhaust	28	28	28	
Sub Total ==>	7,772	167	7,940	73	7,271	82	-6,248	-6,403	28.54	Rm Exh	0	0	0	
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	758	0	758	7	758	9	0	0	0.00	% OA	0.0	0.0	0.0	
People	777	0	777	7	432	5	0	0	0.00	cfm/ft²	2.00	2.00	2.00	
Misc	394	0	394	4	394	4	0	0	0.00	cfm/ton	546.83	53.8	71.0	
Sub Total ==>	1,929	0	1,929	18	1,584	18	0	0	0.00	ft²/ton	273.42	0.0	0.0	
Ceiling Load	54	-54	0	0	54	1	-23	0	0.00	Btu/hr-ft²	43.89	-90.87	-90.87	
Ventilation Load	0	0	0	0	0	0	0	0	0.00	No. People	1.7	7.0/1000	ft²	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	-6,917	-6,917	30.83					
Ov/Undr Sizing	316	0	316	3	0	0	9	9	-0.04					
Exhaust Heat	0	-22	-22	0	0	0	0	0	0.00					
Sup. Fan Heat	0	0	673	6	0	0	0	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	-9,084	-9,084	40.49					
Duct Heat Pkup	0	0	0	0	0	0	-40	-40	0.18					
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0.00					
Grand Total ==>	10,071	92	10,836	100.00	8,910	100.00	-13,189	-22,435	100.00					

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.9	10.8	9.7	494	73.1	60.5	58.7	54.2	52.8	57.4	Floor	247	-22.4	494	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
Total	0.9	10.8									ExFlr	0	0.0	494	53.8	71.0	
											Roof	0	0	0	0.0	0.0	
											Wall	293	152	52	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	
											Total	-22.4					

# Room Checksums

By Trial

1W-P-NW-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	2,869	0	2,869	53	3,066	69	0	0.00						
Glass/Door Cond	259	0	259	5	228	5	-1,812	16.15						
Wall Cond	189	84	273	5	203	5	-174	2.25						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	569	0	569	11	139	3	-1,138	10.14						
<i>Sub Total ==&gt;</i>	<i>3,886</i>	<i>84</i>	<i>3,970</i>	<i>73</i>	<i>3,636</i>	<i>82</i>	<i>-3,124</i>	<i>28.54</i>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	379	0	379	7	379	9	0	0.00						
People	388	0	388	7	216	5	0	0.00						
Misc	197	0	197	4	197	4	0	0.00						
<i>Sub Total ==&gt;</i>	<i>965</i>	<i>0</i>	<i>965</i>	<i>18</i>	<i>792</i>	<i>18</i>	<i>0</i>	<i>0.00</i>						
<b>Ceiling Load</b>	27	-27	0	0	27	1	-12	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-3,459	30.83						
<b>Ov/Undr Sizing</b>	158		158	3	0	0	5	-0.04						
<b>Exhaust Heat</b>		-11	-11	0			0	0.00						
<b>Sup. Fan Heat</b>			337	6			0	0.00						
<b>Ret. Fan Heat</b>			0	0			-4,542	40.49						
<b>Duct Heat Pkup</b>			0	0			-20	0.18						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>			0	0			0	0.00						
<i>Grand Total ==&gt;</i>	<i>5,036</i>	<i>46</i>	<i>5,418</i>	<i>100.00</i>	<i>4,455</i>	<i>100.00</i>	<i>-6,594</i>	<i>100.00</i>						

AIRFLOWS		
	Cooling	Heating
Diffuser	247	247
Terminal	247	247
Main Fan	247	247
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	14	14
MinStop/Rh	25	247
Return	261	261
Exhaust	14	14
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	546.83	
ft²/ton	273.42	
Btu/hr-ft²	43.89	-90.87
No. People	0.9	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.5	5.4	4.8	247	73.1	60.5	58.7	54.2	52.8	57.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.5</b>	<b>5.4</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	123		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	146	76	52
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-11.2	247	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-4.7	247	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-11.2</b>			

# Room Checksums

By Trial

1W-P-NW-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	-1,209	-1,209	16.16	Cooling	Heating	
Wall Cond	126	56	182	5	135	5	-116	2.25	-168	-168	2.25	Diffuser	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Infiltration	379	0	379	10	93	3	-758	10.14	-758	-758	10.14	Nom Vent	0	0
Sub Total ==>	2,592	56	2,648	73	2,425	82	-2,083	28.55	-2,135	-2,135	28.55	AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Infil	9	9
Lights	253	0	253	7	253	9	0	0.00	0	0	0.00	MinStop/Rh	16	165
People	259	0	259	7	144	5	0	0.00	0	0	0.00	Return	174	174
Misc	131	0	131	4	131	4	0	0.00	0	0	0.00	Exhaust	9	9
Sub Total ==>	643	0	643	18	528	18	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0
Ventilation Load	0	-18	0	0	18	1	-8	0.00	0	0	0.00	Leakage Dwn	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Ov/Undr Sizing	105	0	105	3	0	0	-2,305	30.82	-2,305	-2,305	30.82	% OA	0.0	0.0
Exhaust Heat	0	-7	0	0	0	0	3	-0.04	0	0	0.00	cfm/ft²	2.00	2.00
Sup. Fan Heat	0	0	224	6	0	0	0	0.00	0	0	0.00	cfm/ton	546.66	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	273.33	
Duct Heat Pkup	0	0	0	0	0	0	-3,028	40.49	-13	-13	0.18	Btu/hr-ft²	43.90	-90.87
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,358	31	3,613	100.00	2,971	100.00	-4,396	100.00	-7,478	-7,478	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82		Main Htg	-7.5	165	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.2	165	53.8	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	98	51	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-7.5</b>			

# Room Checksums

By Trial

1W-P-S-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES									
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating								
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1				SADB	55.0	95.0							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7							
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7							
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0							
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0							
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0							
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>									
Glass Solar	4,467	0	4,467	64	4,467	Glass Solar	0	0.00	Glass Solar	0	0.00				Cooling	Heating					
Glass/Door Cond	-211	0	-211	-3	-211	Glass/Door Cond	-1,740	21.59	Glass/Door Cond	-1,740	21.59				Diffuser	252	177				
Wall Cond	40	95	134	2	40	Wall Cond	-21	0.86	Wall Cond	-21	0.86				Terminal	252	177				
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00				Main Fan	252	177				
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00				Sec Fan	0	0				
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00				Nom Vent	0	0				
Infiltration	-215	-215	-3	-93	-2	Infiltration	-817	10.14	Infiltration	-817	10.14				AHU Vent	0	0				
Sub Total ==>	4,080	95	4,175	60	4,202	Sub Total ==>	-2,578	32.59	Sub Total ==>	-2,627	32.59				Infil	10	10				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							MinStop/Rh	18	177				
Lights	272	0	272	4	272	Lights	0	0.00	Lights	0	0.00				Return	262	188				
People	279	0	279	4	155	People	0	0.00	People	0	0.00				Exhaust	10	10				
Misc	128	0	128	2	128	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0							
Sub Total ==>	679	0	679	10	555	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxiliary	0	0							
Ceiling Load	8	-8	0	0	8	Ceiling Load	-8	0.00	Ceiling Load	-8	0.00	Leakage Dwn	0	0							
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	Leakage Ups	0	0							
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	<b>ENGINEERING CKS</b>									
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-2,152	26.70	Ov/Undr Sizing	-2,152	26.70				Cooling	Heating					
Ov/Undr Sizing	1,788	0	1,788	26	0	Exhaust Heat	3	-0.04	Exhaust Heat	3	-0.04				% OA	0.0	0.0				
Exhaust Heat	-3	-3	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00				cfm/ft²	2.84	2.00				
Sup. Fan Heat	343	343	5	5	5	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00				cfm/ton	432.88					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-3,263	40.49	Additional Reheat	-3,263	40.49				ft²/ton	152.43					
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-21	0.26	System Plenum Heat	-21	0.26				Btu/hr-ft²	78.73	-90.87				
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00				No. People	0.6	7.0/1000 ft²				
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00				<b>COOLING COIL SELECTION</b>						
Grand Total ==>	6,556	83	6,983	100.00	4,766	Grand Total ==>	-4,738	100.00	Grand Total ==>	-8,060	100.00							Total Capacity			
<b>COOLING COIL SELECTION</b>				<b>AREAS</b>				<b>HEATING COIL SELECTION</b>										ton		MBh	
Main Clg	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	Floor	89									
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0									
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0									
											ExFlr	0									
Total	0.6	7.0									Roof	0	0	0				Main Htg	-8.1	177	
											Wall	92	73	79				Aux Htg	0.0	0	
											Ext Door	0	0	0				Preheat	0.0	0	
														Reheat				-3.4	177		
														Humidif	0.0	0					
														Opt Vent	0.0	0					
														Total	-8.1						

# Room Checksums

By Trial

1W-P-S-L

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13			Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Mo/Hr: Heating Design					Cooling	Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39			OADB: 64		OADB: 64			OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Diffuser	Cooling	Heating	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Terminal			
<b>Envelope Loads</b>					<b>Envelope Loads</b>					<b>Envelope Loads</b>					<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	Sec Fan	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	Nom Vent	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	AHU Vent	0	0	
Glass Solar	11,170	0	11,170	64	11,170	94	0	0.00	0	0	0.00	0	0	0.00	Infil	26	26	
Glass/Door Cond	-529	0	-529	-3	-529	-4	-4,351	21.59	-4,351	-4,351	21.59	0	0	0.00	MinStop/Rh	44	444	
Wall Cond	99	237	336	2	99	1	-51	0.86	-51	-174	0.86	0	0	0.00	Return	655	469	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	Exhaust	26	26	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	Rm Exh	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	Auxiliary	0	0	
Infiltration	-537	0	-537	-3	-233	-2	0	0.00	-2,043	-2,043	10.14	0	0	0.00	Leakage Dwn	0	0	
Sub Total ==>	10,204	237	10,441	60	10,508	88	0	0.00	-6,445	-6,568	32.59	0	0	0.00	Leakage Ups	0	0	
<b>Internal Loads</b>					<b>Internal Loads</b>					<b>Internal Loads</b>					<b>ENGINEERING CKS</b>			
Lights	681	0	681	4	681	6	0	0.00	0	0	0.00	0	0	0.00	% OA	0.0	0.0	
People	698	0	698	4	388	3	0	0.00	0	0	0.00	0	0	0.00	cfm/ft²	2.84	2.00	
Misc	320	0	320	2	320	3	0	0.00	0	0	0.00	0	0	0.00	cfm/ton	432.93		
Sub Total ==>	1,699	0	1,699	10	1,389	12	0	0.00	0	0	0.00	0	0	0.00	ft²/ton	152.40		
Ceiling Load	20	-20	0	0	20	0	-5,379	26.69	-5,379	-5,379	26.69	0	0	0.00	Btu/hr-ft²	78.74	-90.87	
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00	No. People	1.6	7.0/1000 ft²	
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Ov/Undr Sizing	4,470	0	4,470	26	0	0	0	0.00	0	0	0.00	0	0	0.00				
Exhaust Heat	0	-8	-8	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Sup. Fan Heat	0	0	859	5	0	0	0	0.00	0	0	0.00	0	0	0.00				
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0.00				
Grand Total ==>	16,394	208	17,460	100.00	11,917	100.00	Grand Total ==>	-11,845	-20,150	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	1.5	17.5	17.5	630	72.7	60.3	58.7	54.2	50.4	48.6	Floor	222					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
<b>Total</b>	<b>1.5</b>	<b>17.5</b>									Roof	0	0	0			
											Wall	231	183	79			
											Ext Door	0	0	0			
											<b>Total</b>	<b>-20.2</b>					

# Room Checksums

By Trial

1W-P-S-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,467	0	4,467	64	4,467	94	0	0.00	Glass Solar	0	0.00	Diffuser	252	177
Glass/Door Cond	-211	0	-211	-3	-211	-4	-1,740	21.59	Glass/Door Cond	-1,740	-70	Terminal	252	177
Wall Cond	40	95	134	2	40	1	-21	0.86	Wall Cond	-21	-70	Main Fan	252	177
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-215	-215	-3	-93	-2	-2	-817	10.14	Infiltration	-817	-817	Infil	10	10
Sub Total ==>	4,080	95	4,175	60	4,202	88	-2,578	32.59	Sub Total ==>	-2,578	-2,627	MinStop/Rh	18	177
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	262	188
Lights	272	0	272	4	272	6	0	0.00	Lights	0	0.00	Exhaust	10	10
People	279	0	279	4	155	3	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	128	0	128	2	128	3	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	679	0	679	10	555	12	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	-8	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	Adj Air Trans Heat	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,152	26.70	Ov/Undr Sizing	-2,152	-2,152	cfm/ft²	2.84	2.00
Ov/Undr Sizing	1,788	0	1,788	26	0	0	3	-0.04	Exhaust Heat	3	-0.04	cfm/ton	432.88	
Exhaust Heat	0	-3	-3	0	0	0	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	152.43	
Sup. Fan Heat	0	343	343	5	0	0	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	78.73	-90.87
Ret. Fan Heat	0	0	0	0	0	0	-3,263	40.49	Additional Reheat	-3,263	-3,263	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	-21	0.26	System Plenum Heat	-21	0.26			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,556</b>	<b>83</b>	<b>6,983</b>	<b>100.00</b>	<b>4,766</b>	<b>100.00</b>	<b>-4,738</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-4,738</b>	<b>-8,060</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	Floor	89		Main Htg	-8.1	177	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.0</b>									ExFlr	0		Reheat	-3.4	177	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	92	73	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-8.1</b>			

# Room Checksums

By Trial

1W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	13,401	0	13,401	64	13,401	94	0	0.00	0	0	0.00	Diffuser	756	532
Glass/Door Cond	-634	0	-634	-3	-634	-4	-5,219	21.59	-5,219	-5,219	21.59	Terminal	756	532
Wall Cond	119	284	403	2	119	1	-62	0.86	-62	-209	0.86	Main Fan	756	532
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-644	0	-644	-3	-280	-2	-2,452	10.14	-2,452	-2,452	10.14	Infil	31	31
<b>Sub Total ==&gt;</b>	<b>12,241</b>	<b>284</b>	<b>12,525</b>	<b>60</b>	<b>12,606</b>	<b>88</b>	<b>-7,733</b>	<b>32.59</b>	<b>-7,733</b>	<b>-7,880</b>	<b>32.59</b>	MinStop/Rh	53	532
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	786	563
Lights	817	0	817	4	817	6	0	0.00	0	0	0.00	Exhaust	31	31
People	837	0	837	4	465	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	384	0	384	2	384	3	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Sub Total ==&gt;</b>	<b>2,038</b>	<b>0</b>	<b>2,038</b>	<b>10</b>	<b>1,666</b>	<b>12</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Leakage Dwn	0	0
<b>Ceiling Load</b>	<b>25</b>	<b>-25</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>-25</b>	<b>0.00</b>	<b>-25</b>	<b>0</b>	<b>0.00</b>	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-6,456	26.70	-6,456	-6,456	26.70	cfm/ft²	2.84	2.00
Ov/Undr Sizing	5,365	0	5,365	26	0	0	0	-0.04	0	10	-0.04	cfm/ton	432.88	
Exhaust Heat	0	-10	-10	0	0	0	0	0.00	0	0	0.00	ft²/ton	152.43	
Sup. Fan Heat	0	0	0	0	1,030	5	0	0.00	0	0	0.00	Btu/hr-ft²	78.73	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	1.9	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>19,669</b>	<b>249</b>	<b>20,949</b>	<b>100.00</b>	<b>14,297</b>	<b>100.00</b>	<b>-14,214</b>	<b>100.00</b>	<b>-14,214</b>	<b>-24,180</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.8	21.0	20.9	756	72.7	60.3	58.7	54.2	50.4	48.6	Floor	266		Main Htg	-24.2	532	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>1.8</b>	<b>21.0</b>									ExFlr	0		Reheat	-10.2	532	53.8	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	277	219	79	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-24.2</b>			



# Room Checksums

By Trial

1W-P-S-R

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	6,704	0	6,704	64	6,704	94	0	0.00						
Glass/Door Cond	-317	0	-317	-3	-317	-4	-2,611	21.60						
Wall Cond	59	142	201	2	59	1	-31	0.86						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	-322	0	-322	-3	-140	-2	-1,226	10.14						
<i>Sub Total ==&gt;</i>	6,124	142	6,266	60	6,306	88	-3,868	32.60						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	409	0	409	4	409	6	0	0.00						
People	419	0	419	4	233	3	0	0.00						
Misc	192	0	192	2	192	3	0	0.00						
<i>Sub Total ==&gt;</i>	1,019	0	1,019	10	833	12	0	0.00						
<b>Ceiling Load</b>	12	-12	0	0	12	0	-12	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-3,227	26.69						
<b>Ov/Undr Sizing</b>	2,682		2,682	26	0	0	5	-0.04						
<b>Exhaust Heat</b>		-5	-5	0			0	0.00						
<b>Sup. Fan Heat</b>			515	5			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-4,895	40.49						
<b>Duct Heat Pkup</b>		0	0	0			-32	0.26						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	9,837	125	10,477	100.00	7,151	100.00	-7,107	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	378	266
<b>Terminal</b>	378	266
<b>Main Fan</b>	378	266
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	15	15
<b>MinStop/Rh</b>	27	266
<b>Return</b>	393	281
<b>Exhaust</b>	15	15
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.84	2.00
<b>cfm/ton</b>	432.96	
<b>ft²/ton</b>	152.39	
<b>Btu/hr-ft²</b>	78.75	-90.87
<b>No. People</b>	0.9	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.9	10.5	10.5	378	72.7	60.3	58.7	54.2	50.4	48.6
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.9	10.5								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	133		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	139	110	79
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-12.1	266	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-5.1	266	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-12.1			

# Room Checksums

By Trial

1W-P-S-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)		Space Peak	Coil Peak	Percent Of Total				
	Btu/h	Btu/h	Btu/h		Btu/h			Space Sens	Tot Sens					
								Btu/h	Btu/h					
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00				
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00				
Glass Solar	4,467	0	4,467	64	4,467	94	Glass Solar	0	0	0.00				
Glass/Door Cond	-211	0	-211	-3	-211	-4	Glass/Door Cond	-1,740	-1,740	21.59				
Wall Cond	40	95	134	2	40	1	Wall Cond	-21	-70	0.86				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	-215	0	-215	-3	-93	-2	Infiltration	-817	-817	10.14				
Sub Total ==>	4,080	95	4,175	60	4,202	88	Sub Total ==>	-2,578	-2,627	32.59				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>		
Lights	272	0	272	4	272	6	Lights	0	0	0.00				
People	279	0	279	4	155	3	People	0	0	0.00				
Misc	128	0	128	2	128	3	Misc	0	0	0.00				
Sub Total ==>	679	0	679	10	555	12	Sub Total ==>	0	0	0.00				
Ceiling Load	8	-8	0	0	8	0	Ceiling Load	-8	0	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-2,152	-2,152	26.70				
Ov/Undr Sizing	1,788	0	1,788	26	0	0	Exhaust Heat	3	-0.04					
Exhaust Heat	0	-3	-3	0	0	0	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	0	343	5	0	0	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-3,263	40.49					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-21	0.26					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	6,556	83	6,983	100.00	4,766	100.00	Grand Total ==>	-4,738	-8,060	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	Floor	89		-8.1	177	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0
											ExFlr	0		-3.4	177	53.8	71.0
											Roof	0	0	0.0	0	0.0	0.0
											Wall	92	73	79	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.0</b>											<b>Total</b>	<b>-8.1</b>			

# Room Checksums

By Trial

1W-P-SW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0	0	0	
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	-2,710	0	0	0	
Wall Cond	295	180	475	5	295	3	-162	1.54	-162	-261	0	0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Infiltration	106	0	106	1	88	1	-1,718	10.14	-1,718	-1,718	0	0	0	
<b>Sub Total ==&gt;</b>	<b>7,273</b>	<b>180</b>	<b>7,453</b>	<b>77</b>	<b>7,255</b>	<b>86</b>	<b>-4,591</b>	<b>27.67</b>	<b>-4,591</b>	<b>-4,690</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	573	0	573	6	573	7	0	0.00	0	0	0	0	0	
People	587	0	587	6	326	4	0	0.00	0	0	0	0	0	
Misc	277	0	277	3	277	3	0	0.00	0	0	0	0	0	
<b>Sub Total ==&gt;</b>	<b>1,437</b>	<b>0</b>	<b>1,437</b>	<b>15</b>	<b>1,176</b>	<b>14</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Ceiling Load</b>	<b>34</b>	<b>-34</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>-18</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-5,354</b>	<b>31.59</b>	<b>-5,354</b>	<b>-5,354</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Ov/Undr Sizing</b>	<b>178</b>	<b>0</b>	<b>178</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>-0.04</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Exhaust Heat</b>	<b>0</b>	<b>-14</b>	<b>-14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>610</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-49</b>	<b>0.29</b>	<b>-49</b>	<b>-49</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Grand Total ==&gt;</b>	<b>8,921</b>	<b>133</b>	<b>9,664</b>	<b>100.00</b>	<b>8,464</b>	<b>100.00</b>	<b>-9,962</b>	<b>100.00</b>	<b>-9,962</b>	<b>-16,947</b>	<b>0</b>	<b>0</b>	<b>0</b>	

AIRFLOWS		
	Cooling	Heating
Diffuser	447	373
Terminal	447	373
Main Fan	447	373
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	21	21
MinStop/Rh	37	373
Return	469	394
Exhaust	21	21
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.40	2.00
cfm/ton	555.57	
ft²/ton	231.59	
Btu/hr-ft²	51.82	-90.87
No. People	1.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.8</b>	<b>9.7</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	187		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	187	114	61
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-17.0	373	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-7.2	373	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-17.0</b>			

# Room Checksums

By Trial

1W-P-SW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00						
Glass Solar	16,861	0	16,861	70	16,861	Glass Solar	0	0.00						
Glass/Door Cond	319	0	319	1	319	Glass/Door Cond	-6,776	15.99						
Wall Cond	738	450	1,187	5	738	Wall Cond	-405	1.54						
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	265	0	265	1	220	Infiltration	-4,296	10.14						
<i>Sub Total ==&gt;</i>	18,182	450	18,632	77	18,137	<i>Sub Total ==&gt;</i>	-11,477	27.67						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,432	0	1,432	6	1,432	Lights	0	0.00						
People	1,467	0	1,467	6	815	People	0	0.00						
Misc	692	0	692	3	692	Misc	0	0.00						
<i>Sub Total ==&gt;</i>	3,592	0	3,592	15	2,940	<i>Sub Total ==&gt;</i>	0	0.00						
<b>Ceiling Load</b>	84	-84	0	0	84	<b>Ceiling Load</b>	-44	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0						
<b>Dehumid. Ov Sizing</b>			0	0		<b>Ov/Undr Sizing</b>	-13,385	31.59						
<b>Ov/Undr Sizing</b>	446		446	2	0	<b>Exhaust Heat</b>		18	-0.04					
<b>Exhaust Heat</b>		-34	-34	0		<b>OA Preheat Diff.</b>		0	0.00					
<b>Sup. Fan Heat</b>			1,525	6		<b>RA Preheat Diff.</b>		0	0.00					
<b>Ret. Fan Heat</b>		0	0	0		<b>Additional Reheat</b>		-17,154	40.49					
<b>Duct Heat Pkup</b>		0	0	0		<b>System Plenum Heat</b>		-122	0.29					
<b>Underflr Sup Ht Pkup</b>		0	0	0		<b>Underflr Sup Ht Pkup</b>		0	0.00					
<b>Supply Air Leakage</b>		0	0	0		<b>Supply Air Leakage</b>		0	0.00					
<b>Grand Total ==&gt;</b>	22,303	332	24,159	100.00	21,161	<b>Grand Total ==&gt;</b>	-24,905	-42,367	100.00					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,119	933
<b>Terminal</b>	1,119	933
<b>Main Fan</b>	1,119	933
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	54	54
<b>MinStop/Rh</b>	93	933
<b>Return</b>	1,172	986
<b>Exhaust</b>	54	54
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.40	2.00
<b>cfm/ton</b>	555.57	
<b>ft²/ton</b>	231.59	
<b>Btu/hr-ft²</b>	51.82	-90.87
<b>No. People</b>	3.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	2.0	24.2	23.5	1,119	73.0	60.4	58.7	54.2	52.9	57.7
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	2.0	24.2								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	466		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	466	285	61
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-42.4	933	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-17.9	933	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-42.4			

# Room Checksums

By Trial

1W-P-SW-M

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	-2,710	15.99	Diffuser	447	373
Wall Cond	295	180	475	5	295	3	-162	1.54	-162	-261	1.54	Terminal	447	373
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	447	373
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	106	0	106	1	88	1	-1,718	10.14	-1,718	-1,718	10.14	AHU Vent	0	0
<i>Sub Total ==&gt;</i>	<i>7,273</i>	<i>180</i>	<i>7,453</i>	<i>77</i>	<i>7,255</i>	<i>86</i>	<i>-4,591</i>	<i>27.67</i>	<i>-4,591</i>	<i>-4,690</i>	<i>27.67</i>	Infil	21	21
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	37	373
Lights	573	0	573	6	573	7	0	0.00	0	0	0.00	Return	469	394
People	587	0	587	6	326	4	0	0.00	0	0	0.00	Exhaust	21	21
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==&gt;</i>	<i>1,437</i>	<i>0</i>	<i>1,437</i>	<i>15</i>	<i>1,176</i>	<i>14</i>	<i>0</i>	<i>0.00</i>	<i>0</i>	<i>0</i>	<i>0.00</i>	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-34	0	0	34	0	-18	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-5,354	31.59	-5,354	-5,354	31.59	% OA	0.0	0.0
Ov/Undr Sizing	178	0	178	2	0	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00
Exhaust Heat	0	-14	-14	0	0	0	0	0.00	0	0	0.00	cfm/ton	555.57	
Sup. Fan Heat	0	0	610	6	0	0	0	0.00	0	0	0.00	ft²/ton	231.59	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	51.82	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	1.3	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>8,921</b>	<b>133</b>	<b>9,664</b>	<b>100.00</b>	<b>8,464</b>	<b>100.00</b>	<b>-9,962</b>	<b>100.00</b>	<b>-9,962</b>	<b>-16,947</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7	Floor	187		Main Htg	-17.0	373	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>0.8</b>	<b>9.7</b>									ExFlr	0		Reheat	-7.2	373	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	187	114	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-17.0</b>			

# Room Checksums

By Trial

1W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Glass Solar	20,233	0	20,233	70	20,233	80	0	0.00	0	0	0	0	0	
Glass/Door Cond	383	0	383	1	383	2	-8,131	15.99	-8,131	-8,131	0.1	0.3	0.8	
Wall Cond	885	540	1,425	5	885	3	-486	1.54	-783	72.6	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	72.6	0.0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Infiltration	318	0	318	1	264	1	-5,155	10.14	-5,155	0	0.0	0.0	0.0	
<b>Sub Total ==&gt;</b>	<b>21,818</b>	<b>540</b>	<b>22,358</b>	<b>77</b>	<b>21,765</b>	<b>86</b>	<b>-13,772</b>	<b>27.67</b>	<b>-14,069</b>					
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,719	0	1,719	6	1,719	7	0	0.00	0	0	0	0	0	
People	1,761	0	1,761	6	978	4	0	0.00	0	0	0	0	0	
Misc	831	0	831	3	831	3	0	0.00	0	0	0	0	0	
<b>Sub Total ==&gt;</b>	<b>4,310</b>	<b>0</b>	<b>4,310</b>	<b>15</b>	<b>3,527</b>	<b>14</b>	<b>0</b>	<b>0.00</b>	<b>0</b>					
<b>Ceiling Load</b>	<b>101</b>	<b>-101</b>	<b>0</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>-53</b>	<b>0.00</b>	<b>0</b>					
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>					
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>					
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-16,062</b>	<b>31.59</b>	<b>-16,062</b>					
<b>Ov/Undr Sizing</b>	<b>535</b>	<b>0</b>	<b>535</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>-0.04</b>	<b>21</b>					
<b>Exhaust Heat</b>	<b>0</b>	<b>-41</b>	<b>-41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>					
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>1,829</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>					
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-20,585</b>	<b>40.49</b>	<b>-20,585</b>					
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-146</b>	<b>0.29</b>	<b>-146</b>					
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>					
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>0</b>					
<b>Grand Total ==&gt;</b>	<b>26,763</b>	<b>399</b>	<b>28,991</b>	<b>100.00</b>	<b>25,393</b>	<b>100.00</b>	<b>-29,886</b>	<b>100.00</b>	<b>-50,840</b>					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,342	1,119
<b>Terminal</b>	1,342	1,119
<b>Main Fan</b>	1,342	1,119
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	64	64
<b>MinStop/Rh</b>	112	1,119
<b>Return</b>	1,407	1,183
<b>Exhaust</b>	64	64
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.40	2.00
<b>cfm/ton</b>	555.57	
<b>ft²/ton</b>	231.59	
<b>Btu/hr-ft²</b>	51.82	-90.87
<b>No. People</b>	3.9	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	2.4	29.0	28.2	1,342	73.0	60.4	58.7	54.2	52.9	57.7
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	2.4	29.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	560		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	560	341	61
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-50.8	1,119	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-21.5	1,119	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-50.8			

# Room Checksums

By Trial

1W-P-SW-R

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15			Mo/Hr: 9 / 15		Mo/Hr: Heating Design							Cooling	Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57			OADB: 76		OADB: -1							SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	72.6	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	72.6	70.7			
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	10,116	0	10,116	70	10,116	80	0	0.00	0	0	0.00	Diffuser	671	560			
Glass/Door Cond	191	0	191	1	191	2	-4,065	15.99	-4,065	-4,065	15.99	Terminal	671	560			
Wall Cond	443	270	712	5	443	3	-243	1.54	-243	-391	1.54	Main Fan	671	560			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0			
Infiltration	159	159	1	132	1	-2,578	-2,578	10.14	-2,578	-2,578	10.14	Infil	32	32			
Sub Total ==>	10,909	270	11,179	77	10,882	86	-6,886	27.67	-6,886	-7,034	27.67	MinStop/Rh	56	560			
<b>Internal Loads</b>					<b>Internal Loads</b>										Return	703	592
Lights	859	0	859	6	859	7	0	0.00	0	0	0.00	Exhaust	32	32			
People	880	0	880	6	489	4	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	415	0	415	3	415	3	0	0.00	0	0	0.00	Auxiliary	0	0			
Sub Total ==>	2,155	0	2,155	15	1,764	14	0	0.00	0	0	0.00	Leakage Dwn	0	0			
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	0			
Ceiling Load	50	-50	0	0	50	0	-26	0.00	-26	0	0.00	<b>ENGINEERING CKS</b>					
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	-8,031	31.59	-8,031	-8,031	31.59	cfm/ton	555.57				
Ov/Undr Sizing	267	0	267	2	0	0	0	-0.04	0	11	-0.04	ft²/ton	231.59				
Exhaust Heat	0	-20	-20	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	51.82	-90.87			
Sup. Fan Heat	0	0	915	6	0	0	0	0.00	0	0	0.00	No. People	2.0	7.0/1000 ft²			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	13,382	199	14,496	100.00	12,696	100.00	-14,943	100.00	-14,943	-25,420	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	1.2	14.5	14.1	671	73.0	60.4	58.7	54.2	52.9	57.7	Floor	280		Main Htg	-25.4	560	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-10.7	560	53.8	71.0	
<b>Total</b>	<b>1.2</b>	<b>14.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	280	171	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-25.4</b>			

# Room Checksums

By Trial

1W-P-SW-S

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0.00	Diffuser	447	373
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	-2,710	15.99	Terminal	447	373
Wall Cond	295	180	475	5	295	3	-162	1.54	-162	-261	1.54	Main Fan	447	373
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	106	0	106	1	88	1	-1,718	10.14	-1,718	-1,718	10.14	Infil	21	21
Sub Total ==>	7,273	180	7,453	77	7,255	86	-4,591	27.67	-4,591	-4,690	27.67	MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	469	394
Lights	573	0	573	6	573	7	0	0.00	0	0	0.00	Exhaust	21	21
People	587	0	587	6	326	4	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,437	0	1,437	15	1,176	14	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-34	0	0	34	0	-18	0.00	-18	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00
Ov/Undr Sizing	178	0	178	2	0	0	-5,354	31.59	-5,354	-5,354	31.59	cfm/ton	555.57	
Exhaust Heat	0	-14	-14	0	0	0	7	-0.04	7	7	-0.04	ft²/ton	231.59	
Sup. Fan Heat	0	0	610	6	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	51.82	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	1.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>8,921</b>	<b>133</b>	<b>9,664</b>	<b>100.00</b>	<b>8,464</b>	<b>100.00</b>	<b>-9,962</b>	<b>100.00</b>	<b>-9,962</b>	<b>-16,947</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7	Floor	187		Main Htg	-17.0	373	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>0.8</b>	<b>9.7</b>									ExFlr	0		Reheat	-7.2	373	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	187	114	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-17.0</b>			



# Room Checksums

By Trial

2- 2E-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5,138	5,138
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5,138	5,138
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	5,138	5,138
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	12,728		12,728	32	3,945	19	-23,670	10.14	-23,670	-23,670	10.14	AHU Vent	0	0
<i>Sub Total ==&gt;</i>	12,728	0	12,728	32	3,945	19	-23,670	10.14	-23,670	-23,670	10.14	Infil	295	295
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	514	5,138
Lights	7,891	0	7,891	20	7,891	38	0	0.00	0	0	0.00	Return	5,433	5,433
People	8,084	0	8,084	21	4,491	22	0	0.00	0	0	0.00	Exhaust	295	295
Misc	3,814	0	3,814	10	3,814	18	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==&gt;</i>	19,788	0	19,788	50	16,195	78	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>	591	-591	0	0	591	3	-241	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-113,305	48.54	-113,305	-113,305	48.54	% OA	0.0	0.0
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	97	-0.04	97	97	-0.04	cfm/ft²	2.00	2.00
<b>Exhaust Heat</b>	0	-239	-239	-1	0	0	0	0.00	0	0	0.00	cfm/ton	1,569.55	
<b>Sup. Fan Heat</b>	0	7,002	7,002	18	0	0	0	0.00	0	0	0.00	ft²/ton	784.78	
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-94,510	40.49	-94,510	-94,510	40.49	Btu/hr-ft²	15.29	-90.87
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	-2,032	0.87	-2,032	-2,032	0.87	No. People	18.0	7.0/1000 ft²
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	33,107	-830	39,280	100.00	20,731	100.00	-137,216	100.00	-137,216	-233,419	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
<b>Main Clg</b>	3.3	39.3	26.9	5,138	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,569					
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
<b>Total</b>	3.3	39.3									ExFlr	0					
											Roof	0	0	0			
											Wall	0	0	0			
											Ext Door	0	0	0			
											<b>Total</b>	-233.4					

# Room Checksums

By Trial

2- 2E-I-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	2,569	2,569
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	0	0
Infiltration	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14	-11,835	-11,835	10.14				Infil	148	148
Sub Total ==>	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14	-11,835	-11,835	10.14				MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							Return	2,717	2,717
Lights	3,945	0	3,945	20	3,945	0	0	0.00	0	0	0.00	Exhaust	148	148			
People	4,042	0	4,042	21	2,245	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	1,907	0	1,907	10	1,907	0	0	0.00	0	0	0.00	Auxiliary	0	0			
Sub Total ==>	9,894	0	9,894	50	8,098	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0			
Ventilation Load	0	-296	0	0	296	-121	0	0.00	-121	0	0.00	<b>ENGINEERING CKS</b>					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-56,652	-56,652	48.54	-56,652	-56,652	48.54				cfm/ton	1,569.55	
Exhaust Heat	0	-119	-119	-1	0	0	49	-0.04	0	0	0.00				ft²/ton	784.78	
Sup. Fan Heat	0	3,501	18	0	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	9.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>16,553</b>	<b>-415</b>	<b>19,640</b>	<b>100.00</b>	<b>10,366</b>	<b>100.00</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	1.6	19.6	13.5	2,569	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,284	Main Htg	-116.7	2,569	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-49.2	2,569	53.8	71.0
<b>Total</b>	<b>1.6</b>	<b>19.6</b>									Roof	0	0	0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													<b>Total</b>	<b>-116.7</b>			

# Room Checksums

By Trial

2- 2E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	12,844	12,844
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	12,844	12,844
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	12,844	12,844
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	31,820	31,820	32	9,862	19	Infiltration	-59,174	10.14	Infiltration	-59,174	10.14	Infil	739	739
Sub Total ==>	31,820	31,820	32	9,862	19	Sub Total ==>	-59,174	10.14	Sub Total ==>	-59,174	10.14	MinStop/Rh	1,284	12,844
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	13,583	13,583
Lights	19,726	0	19,726	20	19,726	Lights	0	0.00	Lights	0	0.00	Exhaust	739	739
People	20,209	0	20,209	21	11,227	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	9,534	0	9,534	10	9,534	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	49,470	0	49,470	50	40,488	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	1,478	-1,478	0	0	1,478	Ceiling Load	-603	0.00	Ceiling Load	-603	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-283,262	48.54	Ov/Undr Sizing	-283,262	48.54	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	243	-0.04	Exhaust Heat	243	-0.04	cfm/ton	1,569.55	
Exhaust Heat	-597	-597	-1	18	18	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	784.78	
Sup. Fan Heat	17,506	17,506	18	18	18	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-236,276	40.49	Additional Reheat	-236,276	40.49	No. People	44.9	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-5,079	0.87	System Plenum Heat	-5,079	0.87			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>82,767</b>	<b>-2,075</b>	<b>98,199</b>	<b>100.00</b>	<b>51,828</b>	<b>Grand Total ==&gt;</b>	<b>-343,039</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-583,549</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm
Main Clg	8.2	98.2	67.3	12,844	73.1	60.5	58.7	54.2	53.1	58.7	Floor	6,422		Main Htg	-583.6	12,844	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>8.2</b>	<b>98.2</b>									ExFlr	0		Reheat	-246.2	12,844	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-583.6</b>			

# Room Checksums

By Trial

2- 2E-I-SM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	5,138	5,138
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	5,138	5,138
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	5,138	5,138
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	12,728	12,728	32	3,945	19	Infiltration	-23,670	10.14	Infiltration	-23,670	10.14	Infil	295	295
Sub Total ==>	12,728	12,728	32	3,945	19	Sub Total ==>	-23,670	10.14	Sub Total ==>	-23,670	10.14	MinStop/Rh	514	5,138
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	5,433	5,433
Lights	7,891	0	7,891	20	7,891	Lights	0	0.00	Lights	0	0.00	Exhaust	295	295
People	8,084	0	8,084	21	4,491	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	3,814	0	3,814	10	3,814	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	19,788	0	19,788	50	16,195	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	591	-591	0	0	591	<b>Ceiling Load</b>	-241	0.00	<b>Ceiling Load</b>	-241	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	1,569.55	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-113,305	48.54	<b>Ov/Undr Sizing</b>	-113,305	48.54	ft²/ton	784.78	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	97	-0.04	<b>Exhaust Heat</b>	97	-0.04	Btu/hr-ft²	15.29	-90.87
<b>Exhaust Heat</b>	-239	-239	-1	18	18	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	18.0	7.0/1000 ft²
<b>Sup. Fan Heat</b>	7,002	7,002	18	18	18	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-94,510	40.49	<b>Additional Reheat</b>	-94,510	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-2,032	0.87	<b>System Plenum Heat</b>	-2,032	0.87			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	33,107	-830	39,280	100.00	20,731	<b>Grand Total ==&gt;</b>	-137,216	100.00	<b>Grand Total ==&gt;</b>	-233,419	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
<b>Main Clg</b>	3.3	39.3	26.9	5,138	73.1	60.5	58.7	54.2	53.1	58.7	<b>Floor</b>	2,569		<b>Main Htg</b>	-233.4	5,138	54.2	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
<b>Total</b>	3.3	39.3									<b>ExFlr</b>	0		<b>Reheat</b>	-98.5	5,138	53.8	71.0
											<b>Roof</b>	0	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	0	0	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	-233.4			

# Room Checksums

By Trial

2- 2E-P-NE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.0	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	1,837	0	1,837	83	1,837	96	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-57	0	-57	-3	-57	-3	-1,092	20.92	-1,092	-1,092	20.92	Diffuser	115	115
Wall Cond	19	25	44	2	19	1	-25	1.11	-25	-58	1.11	Terminal	115	115
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	115	115
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	74	0	74	3	-25	-1	-529	10.14	-529	-529	10.14	AHU Vent	0	0
Sub Total ==>	1,873	25	1,898	85	1,773	92	-1,646	32.16	-1,646	-1,679	32.16	Infil	7	7
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	11	115
Lights	71	0	71	3	71	4	0	0.00	0	0	0.00	Return	122	122
People	44	0	44	2	20	1	0	0.00	0	0	0.00	Exhaust	7	7
Misc	56	0	56	3	56	3	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	171	0	171	8	147	8	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	-5	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,417	27.15	-1,417	-1,417	27.15	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	619.77	
Sup. Fan Heat	0	157	157	7	0	0	0	0.00	0	0	0.00	ft²/ton	309.89	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.72	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.4	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>2,044</b>	<b>25</b>	<b>2,225</b>	<b>100.00</b>	<b>1,920</b>	<b>100.00</b>	<b>-3,069</b>	<b>100.00</b>	<b>-3,069</b>	<b>-5,220</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm	°F
Main Clg	0.2	2.2	2.1	115	72.4	60.2	58.7	54.2	53.1	58.7	Floor	57		Main Htg	-5.2	115	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-2.2	115	53.8	71.0	
<b>Total</b>	<b>0.2</b>	<b>2.2</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	62	46	74	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-5.2</b>			

# Room Checksums

By Trial

2- 2E-P-NE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1			Ra Plenum		70.7	Return	72.0	70.7
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	72.0	0.1	0.3	0.8		
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser		230	230		
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal		230	230		
Roof Cond	0	0	0	0	0	0	0	0.00	Main Fan		230	230		
Glass Solar	3,674	0	3,674	83	3,674	96	0	0.00	Sec Fan		0	0		
Glass/Door Cond	-115	0	-115	-3	-115	-3	-2,184	20.92	Nom Vent		0	0		
Wall Cond	37	50	87	2	37	1	-50	1.11	AHU Vent		0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	Infil		13	13		
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh		23	230		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return		243	243		
Infiltration	148	0	148	3	-50	-1	-1,059	10.14	Exhaust		13	13		
Sub Total ==>	3,745	50	3,795	85	3,547	92	-3,292	32.16	Rm Exh		0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	141	0	141	3	141	4	0	0.00	% OA		0.0	0.0		
People	87	0	87	2	39	1	0	0.00	cfm/ft²		2.00	2.00		
Misc	113	0	113	3	113	3	0	0.00	cfm/ton		619.77	619.77		
Sub Total ==>	341	0	341	8	293	8	0	0.00	ft²/ton		309.89	309.89		
Lighting	0	0	0	0	0	0	-11	0.00	Btu/hr-ft²		38.72	-90.87		
Ventilation	0	0	0	0	0	0	0	0.00	No. People		0.8	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00						
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,834	27.15						
Ov/Undr Sizing	0	0	0	0	0	0	4	-0.04						
Exhaust Heat	0	0	0	0	0	0	0	0.00						
Sup. Fan Heat	0	0	313	7	0	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	-4,227	40.49						
Underflr Sup Ht Pkup	0	0	0	0	0	0	-25	0.24						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	4,087	49	4,449	100.00	3,840	100.00	-6,138	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.4	4.5	4.2	230	72.4	60.2	58.7	54.2	53.1	58.7	Floor	115		Main Htg	-10.4	230	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-4.4	230	53.8	71.0
<b>Total</b>	<b>0.4</b>	<b>4.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	124	92	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-10.4</b>			

# Room Checksums

By Trial

2- 2E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1						SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.0	70.7	
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.0	70.7	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Fn MtrTD	0.1	0.0	Fn BldTD	0.3	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Fn Frict	0.8	0.0				
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00							
Glass Solar	27,541	0	27,541	83	27,541	96	Glass Solar	0							
Glass/Door Cond	-860	0	-860	-3	-860	-3	Glass/Door Cond	-16,370	-16,370	20.91					
Wall Cond	281	372	652	2	281	1	Wall Cond	-373	-865	1.10					
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00					
Floor	0	0	0	0	0	0	Floor	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
Infiltration	1,113		1,113	3	-376	-1	Infiltration	-7,940	-7,940	10.14					
<i>Sub Total ==&gt;</i>	28,075	372	28,447	85	26,586	92	<i>Sub Total ==&gt;</i>	-24,684	-25,176	32.15					
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>			
Lights	1,059	0	1,059	3	1,059	4	Lights	0	0	0.00	Diffuser	1,724	1,724		
People	655	0	655	2	294	1	People	0	0	0.00	Terminal	1,724	1,724		
Misc	846	0	846	3	846	3	Misc	0	0	0.00	Main Fan	1,724	1,724		
<i>Sub Total ==&gt;</i>	2,560	0	2,560	8	2,198	8	<i>Sub Total ==&gt;</i>	0	0	0.00	Sec Fan	0	0		
<b>Ceiling Load</b> <b>Ventilation Load</b> <b>Adj Air Trans Heat</b> <b>Dehumid. Ov Sizing</b> <b>Ov/Undr Sizing</b> <b>Exhaust Heat</b> <b>Sup. Fan Heat</b> <b>Ret. Fan Heat</b> <b>Duct Heat Pkup</b> <b>Underflr Sup Ht Pkup</b> <b>Supply Air Leakage</b>	3 0 0 0 0 0 -1 0 0 0 0 0	-3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 -1 2,349 0 0 0 0 0	0 0 0 0 0 0 7 0 0 0 0 0	3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	<b>Ceiling Load</b> <b>Ventilation Load</b> <b>Adj Air Trans Heat</b> <b>Ov/Undr Sizing</b> <b>Exhaust Heat</b> <b>OA Preheat Diff.</b> <b>RA Preheat Diff.</b> <b>Additional Reheat</b> <b>System Plenum Heat</b> <b>Underflr Sup Ht Pkup</b> <b>Supply Air Leakage</b>	-81 0 0 -21,267 0 0 0 -31,705 -189 0 0 0	0 0 0 -21,267 33 0 0 -31,705 -189 0 0 0	0.00 0.00 0 27.16 -0.04 0.00 0.00 40.49 0.24 0.00 0.00					
<i>Grand Total ==&gt;</i>	30,637	368	33,354	100.00	28,786	100.00	<i>Grand Total ==&gt;</i>	-46,031	-78,305	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	2.8	33.4	31.5	1,724	72.4	60.2	58.7	54.2	53.1	58.7	Floor	862		Main Htg	-78.3	1,724	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<i>Total</i>	2.8	33.4									ExFlr	0		Reheat	-33.0	1,724	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	929	687	74	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<i>Total</i>	-78.3			

# Room Checksums

By Trial

2- 2E-P-NE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8		Mo/Hr: 7 / 8		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 69 / 63 / 78		OADB: 69		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.0	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	3,674	0	3,674	83	3,674	96	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-115	0	-115	-3	-115	-3	-2,184	20.92	-2,184	-2,184	20.92	Diffuser	230	230
Wall Cond	37	50	87	2	37	1	-50	1.11	-50	-115	1.11	Terminal	230	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	230	230
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	148	0	148	3	-50	-1	-1,059	10.14	-1,059	-1,059	10.14	AHU Vent	0	0
Sub Total ==>	3,745	50	3,795	85	3,547	92	-3,292	32.16	-3,292	-3,358	32.16	Infil	13	13
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	23	230
Lights	141	0	141	3	141	4	0	0.00	0	0	0.00	Return	243	243
People	87	0	87	2	39	1	0	0.00	0	0	0.00	Exhaust	13	13
Misc	113	0	113	3	113	3	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	341	0	341	8	293	8	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	-11	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,834	27.15	-2,834	-2,834	27.15	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	619.77	
Sup. Fan Heat	0	0	313	7	0	0	0	0.00	0	0	0.00	ft²/ton	309.89	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.72	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>4,087</b>	<b>49</b>	<b>4,449</b>	<b>100.00</b>	<b>3,840</b>	<b>100.00</b>	<b>-6,138</b>	<b>100.00</b>	<b>-6,138</b>	<b>-10,441</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.4	4.5	4.2	230	72.4	60.2	58.7	54.2	53.1	58.7	Floor	115		Main Htg	-10.4	230	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-4.4	230	53.8	71.0	
<b>Total</b>	<b>0.4</b>	<b>4.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	124	92	74	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-10.4</b>			



# Room Checksums

By Trial

2- 2E-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	3,846	0	3,846	50	4,110	67	0	0.00	0	0	0.00	Diffuser	396	396
Glass/Door Cond	348	0	348	5	306	5	-2,430	13.49	-2,430	-2,430	13.49	Terminal	396	396
Wall Cond	186	101	287	4	200	3	-172	1.47	-172	-265	1.47	Main Fan	396	396
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	913	0	913	12	223	4	-1,826	10.14	-1,826	-1,826	10.14	Infil	23	23
Sub Total ==>	5,293	101	5,394	70	4,839	79	-4,427	25.11	-4,427	-4,520	25.11	MinStop/Rh	40	396
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	419	419
Lights	609	0	609	8	609	10	0	0.00	0	0	0.00	Exhaust	23	23
People	624	0	624	8	346	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	316	0	316	4	316	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,548	0	1,548	20	1,271	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	43	-43	0	0	44	1	-19	0.00	-19	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-6,139	34.09	-6,139	-6,139	34.09	cfm/ton	620.33	
<b>Ov/Undr Sizing</b>	201	0	201	3	0	0	8	-0.04	8	8	-0.04	ft²/ton	310.16	
<b>Exhaust Heat</b>	0	-17	-17	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.69	-90.87
<b>Sup. Fan Heat</b>	0	0	540	7	0	0	0	0.00	0	0	0.00	No. People	1.4	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	7,086	40	7,666	100.00	6,154	100.00	-10,584	100.00	-10,584	-18,005	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.6	7.7	6.7	396	73.1	60.5	58.7	54.2	53.1	58.7	Floor	198		Main Htg	-18.0	396	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-7.6	396	53.8	71.0	
<b>Total</b>	0.6	7.7									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	176	102	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-18.0			

# Room Checksums

By Trial

2- 2E-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	7,693	0	7,693	50	8,221	67	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	695	0	695	5	612	5	-4,859	13.49	-4,859	-4,859	13.49	Diffuser	793	793
Wall Cond	372	201	574	4	399	3	-343	1.47	-530	-530	1.47	Terminal	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	793	793
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	1,827	0	1,827	12	446	4	-3,652	10.14	-3,652	-3,652	10.14	AHU Vent	0	0
Sub Total ==>	10,587	201	10,788	70	9,678	79	-8,854	25.11	-9,041	-9,041	25.11	Infil	46	46
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	79	793
Lights	1,217	0	1,217	8	1,217	10	0	0.00	0	0	0.00	Return	838	838
People	1,247	0	1,247	8	693	6	0	0.00	0	0	0.00	Exhaust	46	46
Misc	632	0	632	4	632	5	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	3,097	0	3,097	20	2,542	21	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-86	0	0	87	1	-37	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Ov/Undr Sizing	402	0	402	3	0	0	-12,277	34.09	-12,277	-12,277	34.09	cfm/ft²	2.00	2.00
Exhaust Heat	0	-35	-35	0	0	0	15	-0.04	0	0	0.00	cfm/ton	620.33	
Sup. Fan Heat	0	1,080	1,080	7	0	0	0	0.00	0	0	0.00	ft²/ton	310.16	
Ret. Fan Heat	0	0	0	0	0	0	-14,581	40.49	-127	-127	0.35	Btu/hr-ft²	38.69	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>14,172</b>	<b>80</b>	<b>15,333</b>	<b>100.00</b>	<b>12,308</b>	<b>100.00</b>	<b>-21,169</b>	<b>100.00</b>	<b>-36,011</b>	<b>-36,011</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.3	15.3	13.5	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	396		Main Htg	-36.0	793	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-15.2	793	53.8	71.0
<b>Total</b>	<b>1.3</b>	<b>15.3</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	352	204	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-36.0</b>			

# Room Checksums

By Trial

2- 2E-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.1	0.3	0.8	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Glass Solar	57,694	0	57,694	50	61,656	67	0	0.00	0	0	0.0	0.0	0.0	
Glass/Door Cond	5,213	0	5,213	5	4,586	5	-36,445	13.49	-36,445	13.49	0.0	0.0	0.0	
Wall Cond	2,794	1,509	4,303	4	2,995	3	-2,576	1.47	-3,974	1.47	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.0	0.0	0.0	
Infiltration	13,701	0	13,701	12	3,347	4	-27,387	10.14	-27,387	10.14	0.0	0.0	0.0	
<i>Sub Total ==&gt;</i>	79,402	1,509	80,911	70	72,586	79	-66,408	25.11	-67,806	25.11	0.0	0.0	0.0	
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	9,130	0	9,130	8	9,130	10	0	0.00	0	0	0.0	0.0	0.0	
People	9,353	0	9,353	8	5,196	6	0	0.00	0	0	0.0	0.0	0.0	
Misc	4,742	0	4,742	4	4,742	5	0	0.00	0	0	0.0	0.0	0.0	
<i>Sub Total ==&gt;</i>	23,226	0	23,226	20	19,069	21	0	0.00	0	0	0.0	0.0	0.0	
<b>Ceiling Load</b>	647	-647	0	0	656	1	-279	0.00	0	0	0.00	0.00	0.00	
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	0.00	0.00	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	0.00	0.00	
<b>Dehumid. Ov Sizing</b>			0	0			-92,080	34.09	-92,080	34.09	0.00	0.00	0.00	
<b>Ov/Undr Sizing</b>	3,017		3,017	3	0	0	113	-0.04	113	-0.04	0.00	0.00	0.00	
<b>Exhaust Heat</b>		-262	-262	0			0	0.00	0	0	0.00	0.00	0.00	
<b>Sup. Fan Heat</b>			8,102	7			0	0.00	0	0	0.00	0.00	0.00	
<b>Ret. Fan Heat</b>		0	0	0			-109,354	40.49	-109,354	40.49	0.00	0.00	0.00	
<b>Duct Heat Pkup</b>		0	0	0			-953	0.35	-953	0.35	0.00	0.00	0.00	
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00	0	0	0.00	0.00	0.00	
<b>Supply Air Leakage</b>		0	0	0			0	0.00	0	0	0.00	0.00	0.00	
<b>Grand Total ==&gt;</b>	106,292	600	114,994	100.00	92,310	100.00	-158,767	100.00	-270,080	100.00				

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	5,945	5,945
<b>Terminal</b>	5,945	5,945
<b>Main Fan</b>	5,945	5,945
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	342	342
<b>MinStop/Rh</b>	594	5,945
<b>Return</b>	6,286	6,286
<b>Exhaust</b>	342	342
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.00	2.00
<b>cfm/ton</b>	620.33	
<b>ft²/ton</b>	310.16	
<b>Btu/hr-ft²</b>	38.69	-90.87
<b>No. People</b>	20.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	9.6	115.0	101.0	5,945	73.1	60.5	58.7	54.2	53.1	58.7
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	9.6	115.0								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	2,972		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	2,639	1,530	58
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-270.1	5,945	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-114.0	5,945	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-270.1			

# Room Checksums

By Trial

2- 2E-P-NW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	7,693	0	7,693	50	8,221	67	0	0.00	0	0	0.00	Diffuser	793	793
Glass/Door Cond	695	0	695	5	612	5	-4,859	13.49	-4,859	-4,859	13.49	Terminal	793	793
Wall Cond	372	201	574	4	399	3	-343	1.47	-530	-530	1.47	Main Fan	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,827	0	1,827	12	446	4	-3,652	10.14	-3,652	-3,652	10.14	Infil	46	46
Sub Total ==>	10,587	201	10,788	70	9,678	79	-8,854	25.11	-9,041	-9,041	25.11	MinStop/Rh	79	793
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	838	838
Lights	1,217	0	1,217	8	1,217	10	0	0.00	0	0	0.00	Exhaust	46	46
People	1,247	0	1,247	8	693	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	632	0	632	4	632	5	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,097	0	3,097	20	2,542	21	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-86	0	0	87	1	-37	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	402	0	402	3	0	0	-12,277	34.09	-12,277	-12,277	34.09	cfm/ton	620.33	
Exhaust Heat	0	-35	-35	0	0	0	0	-0.04	15	15	-0.04	ft²/ton	310.16	
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	38.69	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>14,172</b>	<b>80</b>	<b>15,333</b>	<b>100.00</b>	<b>12,308</b>	<b>100.00</b>	<b>-21,169</b>	<b>100.00</b>	<b>-36,011</b>	<b>-36,011</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	1.3	15.3	13.5	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	396		Main Htg	-36.0	793	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>1.3</b>	<b>15.3</b>									ExFlr	0		Reheat	-15.2	793	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	352	204	58	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-36.0</b>			

# Room Checksums

By Trial

2- 2E-P-SE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1						SADB	55.0	95.0		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens					
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h					
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
Skylite Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
Roof Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
Glass Solar	5,259	0	5,259	52	5,259	89	0	0	0.00	0	0	0.00				
Glass/Door Cond	-305	0	-305	-3	-305	-5	-2,113	-2,113	15.31	-2,113	-2,113	15.31				
Wall Cond	151	101	252	2	151	3	-112	-187	1.35	-112	-187	1.35				
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
Infiltration	-275	0	-275	-3	-187	-3	-1,399	-1,399	10.14	-1,399	-1,399	10.14				
<i>Sub Total ==&gt;</i>	4,830	101	4,931	49	4,918	84	-3,624	-3,698	26.80	-3,624	-3,698	26.80				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>								
Lights	466	0	466	5	466	8	0	0	0.00	0	0	0.00				
People	478	0	478	5	265	5	0	0	0.00	0	0	0.00				
Misc	233	0	233	2	233	4	0	0	0.00	0	0	0.00				
<i>Sub Total ==&gt;</i>	1,178	0	1,178	12	965	16	0	0	0.00	0	0	0.00				
<b>Ceiling Load</b>	1	-1	0	0	1	0	-14	0	0.00	-14	0	0.00				
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0.00	0	0	0.00				
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	0	0				
<b>Dehumid. Ov Sizing</b>			0	0			-4,473	-4,473	32.42							
<b>Ov/Undr Sizing</b>	3,614		3,614	36	0	0	6	-0.04								
<b>Exhaust Heat</b>		0	0	0			0	0.00								
<b>Sup. Fan Heat</b>			424	4			0	0.00								
<b>Ret. Fan Heat</b>		0	0	0			-5,587	40.49								
<b>Duct Heat Pkup</b>		0	0	0			-46	0.33								
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00								
<b>Supply Air Leakage</b>		0	0	0			0	0.00								
<b>Grand Total ==&gt;</b>	9,623	99	10,146	100.00	5,884	100.00	-8,111	-13,798	100.00	-8,111	-13,798	100.00				

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	311	304
<b>Terminal</b>	311	304
<b>Main Fan</b>	311	304
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	17	17
<b>MinStop/Rh</b>	30	304
<b>Return</b>	329	321
<b>Exhaust</b>	17	17
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.05	2.00
<b>cfm/ton</b>	367.89	
<b>ft²/ton</b>	179.60	
<b>Btu/hr-ft²</b>	66.81	-90.87
<b>No. People</b>	1.1	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	0.9	10.2	10.0	311	72.4	60.2	58.7	54.2	48.4	41.2
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.9	10.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	152		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	141	89	63
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
<b>Main Htg</b>	-13.8	304	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-5.8	304	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-13.8			

# Room Checksums

By Trial

2- 2E-P-SE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: 62		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Ra Plenum	72.0	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.0	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	10,513	0	10,513	52	10,513	89	0	0.00	0	0	0.00	Diffuser	622	607
Glass/Door Cond	-610	0	-610	-3	-610	-5	-4,223	15.30	-4,223	-4,223	15.30	Terminal	622	607
Wall Cond	301	201	503	2	301	3	-224	1.35	-224	-373	1.35	Main Fan	622	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-549	0	-549	-3	-373	-3	-2,798	10.14	-2,798	-2,798	10.14	Infil	35	35
Sub Total ==>	9,655	201	9,857	49	9,832	84	-7,246	26.80	-7,246	-7,395	26.80	MinStop/Rh	61	607
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	657	642
Lights	933	0	933	5	933	8	0	0.00	0	0	0.00	Exhaust	35	35
People	956	0	956	5	531	5	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	466	0	466	2	466	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,355	0	2,355	12	1,930	16	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	2	-2	0	0	2	0	-29	0.00	-29	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.05	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	-8,948	32.43	-8,948	-8,948	32.43	cfm/ton	367.81	
Ov/Undr Sizing	7,229	0	7,229	36	0	0	0	-0.04	0	12	-0.04	ft²/ton	179.64	
Exhaust Heat	0	-1	-1	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	66.80	-90.87
Sup. Fan Heat	0	0	848	4	0	0	0	0.00	0	0	0.00	No. People	2.1	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	19,241	198	20,287	100.00	11,764	100.00	-16,223	100.00	-16,223	-27,596	100.00			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	1.7	20.3	20.0	622	72.4	60.2	58.7	54.2	48.4	41.2	Floor	304			Main Htg	-27.6	607	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-11.6	607	53.8	71.0
<b>Total</b>	<b>1.7</b>	<b>20.3</b>									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	281	177	63	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-27.6</b>			

# Room Checksums

By Trial

2- 2E-P-SE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	78,850	0	78,850	52	78,850	89	0	0.00						
Glass/Door Cond	-4,574	0	-4,574	-3	-4,574	-5	-31,673	15.30						
Wall Cond	2,261	1,510	3,771	2	2,261	3	-1,682	1.35						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	-4,121	0	-4,121	-3	-2,798	-3	-20,988	10.14						
<i>Sub Total ==&gt;</i>	72,417	1,510	73,926	49	73,739	84	-54,343	26.80						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	6,997	0	6,997	5	6,997	8	0	0.00						
People	7,168	0	7,168	5	3,982	5	0	0.00						
Misc	3,498	0	3,498	2	3,498	4	0	0.00						
<i>Sub Total ==&gt;</i>	17,663	0	17,663	12	14,477	16	0	0.00						
<b>Ceiling Load</b>	15	-15	0	0	15	0	-214	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-67,112	32.43						
<b>Ov/Undr Sizing</b>	54,216		54,216	36	0	0	86	-0.04						
<b>Exhaust Heat</b>		-6	-6	0			0	0.00						
<b>Sup. Fan Heat</b>			6,357	4			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-83,802	40.49						
<b>Duct Heat Pkup</b>		0	0	0			-683	0.33						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	144,311	1,489	152,156	100.00	88,231	100.00	-121,669	206.973	100.00					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	4,664	4,556
<b>Terminal</b>	4,664	4,556
<b>Main Fan</b>	4,664	4,556
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	262	262
<b>MinStop/Rh</b>	456	4,556
<b>Return</b>	4,926	4,817
<b>Exhaust</b>	262	262
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.05	2.00
<b>cfm/ton</b>	367.82	
<b>ft²/ton</b>	179.64	
<b>Btu/hr-ft²</b>	66.80	-90.87
<b>No. People</b>	15.9	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	12.7	152.2	150.3	4,664	72.4	60.2	58.7	54.2	48.4	41.2
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	12.7	152.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	2,278		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	2,111	1,330	63
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-207.0	4,556	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-87.3	4,556	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-207.0			

# Room Checksums

By Trial

2- 2E-P-SE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 10		Mo/Hr: 9 / 10		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 62 / 54 / 49		OADB: 62		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	10,513	0	10,513	52	10,513	89	0	0.00						
Glass/Door Cond	-610	0	-610	-3	-610	-5	-4,223	15.30						
Wall Cond	301	201	503	2	301	3	-224	1.35						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	-549	0	-549	-3	-373	-3	-2,798	10.14						
<i>Sub Total ==&gt;</i>	9,655	201	9,857	49	9,832	84	-7,246	26.80						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	933	0	933	5	933	8	0	0.00						
People	956	0	956	5	531	5	0	0.00						
Misc	466	0	466	2	466	4	0	0.00						
<i>Sub Total ==&gt;</i>	2,355	0	2,355	12	1,930	16	0	0.00						
<b>Ceiling Load</b>	2	-2	0	0	2	0	-29	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-8,948	32.43						
<b>Ov/Undr Sizing</b>	7,229		7,229	36	0	0	12	-0.04						
<b>Exhaust Heat</b>		-1	-1	0			0	0.00						
<b>Sup. Fan Heat</b>			848	4			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-11,174	40.49						
<b>Duct Heat Pkup</b>		0	0	0			-91	0.33						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	19,241	198	20,287	100.00	11,764	100.00	-16,223	27.596	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	622	607
Terminal	622	607
Main Fan	622	607
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	35	35
MinStop/Rh	61	607
Return	657	642
Exhaust	35	35
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.05	2.00
cfm/ton	367.81	
ft²/ton	179.64	
Btu/hr-ft²	66.80	-90.87
No. People	2.1	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.7	20.3	20.0	622	72.4	60.2	58.7	54.2	48.4	41.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	1.7	20.3								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	304		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	281	177	63
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-27.6	607	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-11.6	607	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	-27.6			



# Room Checksums

By Trial

## 2- 2W-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,057	2,057
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,057	2,057
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	5,096	5,096	32	1,580	19	-9,478	-9,478	10.14	-9,478	-9,478	10.14	Infil	118	118
Sub Total ==>	5,096	0	5,096	32	1,580	19	-9,478	-9,478	10.14	-9,478	10.14	MinStop/Rh	206	2,057
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,175	2,175
Lights	3,160	0	3,160	20	3,160	38	0	0.00	0	0	0.00	Exhaust	118	118
People	3,237	0	3,237	21	1,798	22	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,527	0	1,527	10	1,527	18	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	7,924	0	7,924	50	6,485	78	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	% OA	Cooling	Heating
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,569.55	
Exhaust Heat	0	-96	-96	-1	0	0	-45,370	48.54	-45,370	-45,370	48.54	ft²/ton	784.78	
Sup. Fan Heat	0	2,804	18	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	7.2	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	13,257	-332	15,728	100.00	8,301	100.00	-54,944	-93,466	100.00	-54,944	-93,466			

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.3	15.7	10.8	2,057	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.3	15.7								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	1,029		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-93.5	2,057	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-39.4	2,057	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-93.5			

## Room Checksums

By Trial

2- 2W-I-CR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: 84			OADB: -1			SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Percent	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00			Diffuser	1,029	1,029			
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00			Terminal	1,029	1,029			
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00			Main Fan	1,029	1,029			
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00			Sec Fan	0	0			
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00			Nom Vent	0	0			
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00			AHU Vent	0	0			
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00			Infil	59	59			
Floor	0	0	0	0	0	0	Floor	0	0	0.00			MinStop/Rh	103	1,029			
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00			Return	1,088	1,088			
Infiltration	2,548	0	2,548	32	790	19	Infiltration	-4,739	-4,739	10.14			Exhaust	59	59			
Sub Total ==>	2,548	0	2,548	32	790	19	Sub Total ==>	-4,739	-4,739	10.14			Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>			
Lights	1,580	0	1,580	20	1,580	38	Lights	0	0	0.00			% OA	0.0	0.0			
People	1,618	0	1,618	21	899	22	People	0	0	0.00			cfm/ft²	2.00	2.00			
Misc	764	0	764	10	764	18	Misc	0	0	0.00			cfm/ton	1,569.55				
Sub Total ==>	3,962	0	3,962	50	3,242	78	Sub Total ==>	0	0	0.00			ft²/ton	784.77				
Ceiling Load	118	-118	0	0	118	3	Ceiling Load	-48	0	0.00			Btu/hr-ft²	15.29	-90.87			
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00			No. People	3.6	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0								
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-22,685	-22,685	48.54								
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	19	-0.04									
Exhaust Heat	0	-48	-48	-1	0	0	OA Preheat Diff.	0	0.00									
Sup. Fan Heat	0	1,402	1,402	18	0	0	RA Preheat Diff.	0	0.00									
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-18,922	40.49									
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-407	0.87									
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00									
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00									
<b>Grand Total ==&gt;</b>	<b>6,628</b>	<b>-166</b>	<b>7,864</b>	<b>100.00</b>	<b>4,151</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-27,472</b>	<b>-46,733</b>	<b>100.00</b>								

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg			
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.7	7.9	5.4	1,029	73.1	60.5	58.7	54.2	53.1	58.7	Floor	514	Main Htg	-46.7	1,029	54.2	95.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
											ExFlr	0	Reheat	-19.7	1,029	53.8	71.0		
<b>Total</b>	<b>0.7</b>	<b>7.9</b>									Roof	0	Humidif	0.0	0	0.0	0.0		
											Wall	0	Opt Vent	0.0	0	0.0	0.0		
											Ext Door	0	<b>Total</b>	<b>-46.7</b>					

# Room Checksums

By Trial

2- 2W-I-00

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1										
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Btu/h	Coil Peak Btu/h	Percent Of Total (%)							
<b>Envelope Loads</b>							<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Cooling		Heating				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Diffuser	5,143	5,143				
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00	Terminal	5,143	5,143				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	Main Fan	5,143	5,143				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00	Sec Fan	0	0				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00	Nom Vent	0	0				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00	AHU Vent	0	0				
Floor	0	0	0	0	0	0	Floor	0	0	0.00	Infil	296	296				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00	MinStop/Rh	514	5,143				
Infiltration	12,741	0	12,741	32	3,949	19	Infiltration	-23,695	-23,695	10.14	Return	5,439	5,439				
Sub Total ==>	12,741	0	12,741	32	3,949	19	Sub Total ==>	-23,695	-23,695	10.14	Exhaust	296	296				
<b>Internal Loads</b>							<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	7,899	0	7,899	20	7,899	38	Lights	0	0	0.00	% OA	0.0	0.0				
People	8,092	0	8,092	21	4,496	22	People	0	0	0.00	cfm/ft²	2.00	2.00				
Misc	3,818	0	3,818	10	3,818	18	Misc	0	0	0.00	cfm/ton	1,569.55					
Sub Total ==>	19,809	0	19,809	50	16,212	78	Sub Total ==>	0	0	0.00	ft²/ton	784.78					
Ceiling Load	592	-592	0	0	592	3	Ceiling Load	-241	0	0.00	Btu/hr-ft²	15.29	-90.87				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	No. People	18.0	7.0/1000 ft²				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-113,424	-113,424	48.54							
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	97	-0.04								
Exhaust Heat	-239	-239	-1				OA Preheat Diff.	0	0.00								
Sup. Fan Heat	7,010	18					RA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0					Additional Reheat	-94,610	40.49								
Duct Heat Pkup	0	0					System Plenum Heat	-2,034	0.87								
Underflr Sup Ht Pkup	0	0					Underflr Sup Ht Pkup	0	0.00								
Supply Air Leakage	0	0					Supply Air Leakage	0	0.00								
<b>Grand Total ==&gt;</b>	<b>33,142</b>	<b>-831</b>	<b>39,321</b>	<b>100.00</b>	<b>20,753</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-137,360</b>	<b>-233,665</b>	<b>100.00</b>							

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total	Glass ft²	(%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
Main Clg	3.3	39.3	26.9	5,143	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,572		Main Htg	-233.7	5,143	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-98.6	5,143	53.8	71.0	
<b>Total</b>	<b>3.3</b>	<b>39.3</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	<b>Total</b>	<b>-233.7</b>				

# Room Checksums

By Trial

2- 2W-I-SM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)		Space Peak	Coil Peak	Percent				
	Btu/h	Btu/h	Btu/h		Btu/h			Space Sens	Tot Sens	Of Total (%)				
								Btu/h	Btu/h					
<b>Envelope Loads</b>														
Skylite Solar	0	0	0	0	0	0		0	0	0.00				
Skylite Cond	0	0	0	0	0	0		0	0	0.00				
Roof Cond	0	0	0	0	0	0		0	0	0.00				
Glass Solar	0	0	0	0	0	0		0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0		0	0	0.00				
Wall Cond	0	0	0	0	0	0		0	0	0.00				
Partition/Door	0	0	0	0	0	0		0	0	0.00				
Floor	0	0	0	0	0	0		0	0	0.00				
Adjacent Floor	0	0	0	0	0	0		0	0	0.00				
Infiltration	5,096	0	5,096	32	1,580	19		-9,478	-9,478	10.14				
Sub Total ==>	5,096	0	5,096	32	1,580	19		-9,478	-9,478	10.14				
<b>Internal Loads</b>														
Lights	3,160	0	3,160	20	3,160	38		0	0	0.00				
People	3,237	0	3,237	21	1,798	22		0	0	0.00				
Misc	1,527	0	1,527	10	1,527	18		0	0	0.00				
Sub Total ==>	7,924	0	7,924	50	6,485	78		0	0	0.00				
<b>Ceiling Load</b>	237	-237	0	0	237	3		-97	0	0.00				
Ventilation Load	0	0	0	0	0	0		0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0		0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0		-45,370	-45,370	48.54				
Ov/Undr Sizing	0	0	0	0	0	0		0	39	-0.04				
Exhaust Heat	0	-96	-96	-1	0	0		0	0	0.00				
Sup. Fan Heat	0	0	2,804	18	0	0		0	0	0.00				
Ret. Fan Heat	0	0	0	0	0	0		0	0	0.00				
Duct Heat Pkup	0	0	0	0	0	0		0	-37,844	40.49				
Underflr Sup Ht Pkup	0	0	0	0	0	0		0	-814	0.87				
Supply Air Leakage	0	0	0	0	0	0		0	0	0.00				
Grand Total ==>	13,257	-332	15,728	100.00	8,301	100.00		-54,944	-93,466	100.00				

	Cooling	Heating
SADB	55.0	95.0
Ra Plenum	72.7	70.7
Return	72.7	70.7
Ret/OA	72.7	70.7
Fn MtrTD	0.1	0.0
Fn BldTD	0.3	0.0
Fn Frict	0.8	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	2,057	2,057
Terminal	2,057	2,057
Main Fan	2,057	2,057
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	118	118
MinStop/Rh	206	2,057
Return	2,175	2,175
Exhaust	118	118
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,569.55	
ft²/ton	784.78	
Btu/hr-ft²	15.29	-90.87
No. People	7.2	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.3	15.7	10.8	2,057	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	1.3	15.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,029		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	°F
Main Htg	-93.5	2,057	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-39.4	2,057	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	-93.5			

# Room Checksums

By Trial

2- 2W-P-N-CN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating						
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1						SADB	55.0	95.0					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7						
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0						
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0						
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>								
Glass Solar	114	0	114	13	114	21	0	0.00	0	0	0.00				Diffuser	86	86			
Glass/Door Cond	50	0	50	6	50	9	-315	8.04	-315	-315	8.04				Terminal	86	86			
Wall Cond	27	9	36	4	27	5	-54	1.82	-71	-71	1.82				Main Fan	86	86			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	0	0			
Infiltration	214	214	25	66	12	-398	-398	10.14	-398	-398	10.14				Infil	5	5			
Sub Total ==>	406	9	414	48	258	48	-766	19.99	-766	-784	19.99				MinStop/Rh	9	86			
<b>Internal Loads</b>					<b>Internal Loads</b>										Return	91	91			
Lights	133	0	133	15	133	25	0	0.00	0	0	0.00				Exhaust	5	5			
People	136	0	136	16	75	14	0	0.00	0	0	0.00				Rm Exh	0	0			
Misc	64	0	64	7	64	12	0	0.00	0	0	0.00				Auxiliary	0	0			
Sub Total ==>	332	0	332	39	272	50	0	0.00	0	0	0.00				Leakage Dwn	0	0			
Ceiling Load	10	-10	0	0	10	2	-4	0.00	-4	0	0.00				Leakage Ups	0	0			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00				<b>ENGINEERING CKS</b>					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00							% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,535	39.14	-1,535	-1,535	39.14							cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00							cfm/ton	1,203.67	
Exhaust Heat	0	-4	-4	0	0	0	0	0.00	0	0	0.00							ft²/ton	601.83	
Sup. Fan Heat	0	118	14	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.94	-90.87						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00									
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00									
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00									
<b>Grand Total ==&gt;</b>	<b>748</b>	<b>-5</b>	<b>860</b>	<b>100.00</b>	<b>540</b>	<b>100.00</b>	<b>-2,305</b>	<b>100.00</b>	<b>-3,921</b>	<b>100.00</b>	<b>100.00</b>									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb	ft²	MBh
Main Clg	0.1	0.9	0.7	86	73.1	60.5	58.7	54.2	53.1	58.7	Floor	43					Main Htg	-3.9	86	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.1</b>	<b>0.9</b>									ExFlr	0					Reheat	-1.7	86	53.8	71.0
											Roof	0	0	0			Humidif	0.0	0	0.0	0.0
											Wall	33	13	40			Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0			<b>Total</b>	<b>-3.9</b>			

# Room Checksums

By Trial

2- 2W-P-N-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	229	0	229	13	21	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	101	0	101	6	9	-630	-630	8.04	-630	-630	8.04	Cooling	Heating	
Wall Cond	54	17	72	4	5	-107	-142	1.82	-107	-142	1.82	Diffuser	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	173	173
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	173	173
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Infiltration	428	0	428	25	12	-795	-795	10.14	-795	-795	10.14	Nom Vent	0	0
<i>Sub Total ==&gt;</i>	811	17	829	48	48	-1,533	-1,568	19.99	-1,533	-1,568	19.99	AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Infil	10	10
Lights	265	0	265	15	25	0	0	0.00	0	0	0.00	MinStop/Rh	17	173
People	272	0	272	16	14	0	0	0.00	0	0	0.00	Return	183	183
Misc	128	0	128	7	12	0	0	0.00	0	0	0.00	Exhaust	10	10
<i>Sub Total ==&gt;</i>	665	0	665	39	50	0	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0
Ventilation Load	0	-20	0	0	2	-8	0	0.00	-8	0	0.00	Leakage Dwn	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Dehumid. Ov Sizing	0	0	0	0	0	-3,069	-3,069	39.14	-3,069	-3,069	39.14	<b>ENGINEERING CKS</b>		
Ov/Undr Sizing	0	0	0	0	0	0	3	-0.04	0	0	0.00	Cooling	Heating	
Exhaust Heat	0	-8	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Sup. Fan Heat	0	0	235	14	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,203.67	
Duct Heat Pkup	0	0	0	0	0	0	-33	0.42	0	0	0.00	ft²/ton	601.83	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.94	-90.87
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
<b>Grand Total ==&gt;</b>	1,496	-10	1,721	100.00	1,080	100.00	-4,610	-7,842	100.00	-4,610	-7,842			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.1	1.7	1.3	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86		Main Htg	-7.8	173	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	0.1	1.7									ExFlr	0		Reheat	-3.3	173	53.8	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	66	26	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-7.8			

## Room Checksums

By Trial

2- 2W-P-N-OO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating			
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ra Plenum	72.7	70.7		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7		
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>AIRFLOWS</b>				
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Diffuser	1,295	1,295		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Terminal	1,295	1,295		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	Main Fan	1,295	1,295		
Glass Solar	1,715	0	1,715	13	21	Glass Solar	0	0.00	Glass Solar	0	0.00	Sec Fan	0	0		
Glass/Door Cond	757	0	757	6	9	Glass/Door Cond	-4,726	8.04	Glass/Door Cond	-4,726	8.04	Nom Vent	0	0		
Wall Cond	406	130	536	4	5	Wall Cond	-805	1.82	Wall Cond	-1,068	1.82	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Infil	74	74		
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	MinStop/Rh	129	1,295		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	Return	1,369	1,369		
Infiltration	3,207	0	3,207	25	12	Infiltration	-5,964	10.14	Infiltration	-5,964	10.14	Exhaust	74	74		
Sub Total ==>	6,085	130	6,215	48	48	Sub Total ==>	-11,495	19.99	Sub Total ==>	-11,758	19.99	Rm Exh	0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>				
Lights	1,988	0	1,988	15	25	Lights	0	0.00	Lights	0	0.00	% OA	0.0	0.0		
People	2,037	0	2,037	16	14	People	0	0.00	People	0	0.00	cfm/ft²	2.00	2.00		
Misc	961	0	961	7	12	Misc	0	0.00	Misc	0	0.00	cfm/ton	1,203.67			
Sub Total ==>	4,986	0	4,986	39	50	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	ft²/ton	601.83			
Ceiling Load	149	-149	0	0	2	Ceiling Load	-61	0.00	Ceiling Load	-61	0.00	Btu/hr-ft²	19.94	-90.87		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	No. People	4.5	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-23,018	39.14	Ov/Undr Sizing	-23,018	39.14					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	-0.04	Exhaust Heat	25	-0.04					
Exhaust Heat	-60	-60	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	1,764	14	0	14	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-23,813	40.49	Additional Reheat	-23,813	40.49					
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-249	0.42	System Plenum Heat	-249	0.42					
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00					
<b>Grand Total ==&gt;</b>	<b>11,220</b>	<b>-79</b>	<b>12,906</b>	<b>100.00</b>	<b>8,102</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-34,574</b>	<b>-58,814</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.1	12.9	9.8	1,295	73.1	60.5	58.7	54.2	53.1	58.7	Floor	647	Main Htg	-58.8	1,295	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-24.8	1,295	53.8	71.0
<b>Total</b>	<b>1.1</b>	<b>12.9</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	496	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-58.8</b>			

# Room Checksums

By Trial

2- 2W-P-N-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	229	0	229	13	21	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	173	173
Glass/Door Cond	101	0	101	6	9	Glass/Door Cond	-630	8.04	Glass/Door Cond	-630	8.04	Terminal	173	173
Wall Cond	54	17	72	4	5	Wall Cond	-107	1.82	Wall Cond	-142	1.82	Main Fan	173	173
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	428	0	428	25	12	Infiltration	-795	10.14	Infiltration	-795	10.14	Infil	10	10
Sub Total ==>	811	17	829	48	48	Sub Total ==>	-1,533	19.99	Sub Total ==>	-1,568	19.99	MinStop/Rh	17	173
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	183	183
Lights	265	0	265	15	25	Lights	0	0.00	Lights	0	0.00	Exhaust	10	10
People	272	0	272	16	14	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	128	0	128	7	12	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	665	0	665	39	50	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	20	-20	0	0	2	<b>Ceiling Load</b>	-8	0.00	<b>Ceiling Load</b>	-8	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0.00	<b>Adj Air Trans Heat</b>	0	0.00	cfm/ton	1,203.67	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-3,069	39.14	<b>Ov/Undr Sizing</b>	-3,069	39.14	ft²/ton	601.83	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	3	-0.04	<b>Exhaust Heat</b>	3	-0.04	Btu/hr-ft²	19.94	-90.87
<b>Exhaust Heat</b>	-8	-8	0	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	0.6	7.0/1000 ft²
<b>Sup. Fan Heat</b>	0	235	14	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-3,175	40.49	<b>Additional Reheat</b>	-3,175	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-33	0.42	<b>System Plenum Heat</b>	-33	0.42			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	1,496	-10	1,721	100.00	1,080	<b>Grand Total ==&gt;</b>	-4,610	100.00	<b>Grand Total ==&gt;</b>	-7,842	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvq °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	0.1	1.7	1.3	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				
											ExFlr	0				
<b>Total</b>	0.1	1.7									Roof	0	0	0		
											Wall	66	26	40		
											Ext Door	0	0	0		
											<b>Total</b>	-7.8				



# Room Checksums

By Trial

2- 2W-P-NW-CN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating						
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 81		OADB: -1						SADB	55.0	95.0					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7						
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7						
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0						
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0						
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0						
Glass Solar	955	0	955	53	1,021	69	0	0.00	0	0	0.00	<b>AIRFLOWS</b>								
Glass/Door Cond	86	0	86	5	76	5	-604	16.14	-604	16.14	Diffuser				82	82				
Wall Cond	63	28	91	5	68	5	-58	2.24	-84	2.24	Terminal				82	82				
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Main Fan				82	82				
Floor	0	0	0	0	0	0	0	0.00	0	0.00	Sec Fan				0	0				
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				0	0				
Infiltration	190	0	190	11	46	3	-379	10.14	-379	10.14	AHU Vent				0	0				
Sub Total ==>	1,294	28	1,322	73	1,211	82	-1,041	28.52	-1,067	28.52	Infil				5	5				
<b>Internal Loads</b>					<b>Internal Loads</b>										MinStop/Rh	8	82			
Lights	126	0	126	7	126	9	0	0.00	0	0.00	Return				87	87				
People	129	0	129	7	72	5	0	0.00	0	0.00	Exhaust	5	5							
Misc	66	0	66	4	66	4	0	0.00	0	0.00	Rm Exh	0	0							
Sub Total ==>	322	0	322	18	264	18	0	0.00	0	0.00	Auxiliary	0	0							
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Leakage Dwn	0	0			
Ventilation Load	0	-9	0	0	9	1	-4	0.00	0	0.00	Leakage Ups	0	0							
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00	<b>ENGINEERING CKS</b>									
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,154	30.85	-1,154	30.85				% OA	0.0	0.0				
Ov/Undr Sizing	53	0	53	3	0	0	2	-0.04	0	0.00				cfm/ft²	2.00	2.00				
Exhaust Heat	0	-4	0	0	0	0	0	0.00	0	0.00				cfm/ton	547.16					
Sup. Fan Heat	0	0	112	6	0	0	0	0.00	0	0.00				ft²/ton	273.58					
Ret. Fan Heat	0	0	0	0	0	0	-1,514	40.49	-7	0.18				Btu/hr-ft²	43.86	-90.87				
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00				No. People	0.3	7.0/1000 ft²				
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00										
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00										
Grand Total ==>	1,677	15	1,805	100.00	1,484	100.00	-2,198	100.00	-3,739	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm	°F
Main Clg	0.2	1.8	1.6	82	73.1	60.5	58.7	54.2	52.8	57.4	Floor	41		Main Htg	-3.7	82	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-1.6	82	53.8	71.0	
<b>Total</b>	<b>0.2</b>	<b>1.8</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	49	25	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-3.7</b>			

# Room Checksums

By Trial

2- 2W-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	-1,209	-1,209	16.16	Diffuser	165	165
Wall Cond	126	56	182	5	135	5	-116	2.25	-168	-168	2.25	Terminal	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	379	0	379	10	93	3	-758	10.14	-758	-758	10.14	AHU Vent	0	0
Sub Total ==>	2,592	56	2,648	73	2,425	82	-2,083	28.55	-2,135	-2,135	28.55	Infil	9	9
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	16	165
Lights	253	0	253	7	253	9	0	0.00	0	0	0.00	Return	174	174
People	259	0	259	7	144	5	0	0.00	0	0	0.00	Exhaust	9	9
Misc	131	0	131	4	131	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	643	0	643	18	528	18	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-18	0	0	18	1	-8	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,305	30.82	-2,305	-2,305	30.82	% OA	0.0	0.0
Ov/Undr Sizing	105	0	105	3	0	0	0	-0.04	3	0	-0.04	cfm/ft²	2.00	2.00
Exhaust Heat	0	-7	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	546.66	
Sup. Fan Heat	0	0	224	6	0	0	0	0.00	0	0	0.00	ft²/ton	273.33	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-3,028	-3,028	40.49	Btu/hr-ft²	43.90	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.18	-13	-13	0.18	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,358	31	3,613	100.00	2,971	100.00	-4,396	100.00	-7,478	-7,478	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82		-7.5	165	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0	
											ExFlr	0		-3.2	165	53.8	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0	0.0	0	0.0	0.0	
											Wall	98	51	52	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
														-7.5				

# Room Checksums

By Trial

2- 2W-P-NW-OO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Glass Solar	14,341	0	14,341	53	15,326	69	0	0.00	0	0	0	0	0	
Glass/Door Cond	1,296	0	1,296	5	1,140	5	-9,059	16.15	-9,059	16.15	0.1	0.3	0.8	
Wall Cond	946	418	1,364	5	1,014	5	-872	2.25	-1,259	2.25	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Infiltration	2,845	0	2,845	11	695	3	-5,688	10.14	-5,688	10.14	0	0	0	
<i>Sub Total ==&gt;</i>	19,428	418	19,847	73	18,175	82	-15,619	28.54	-16,006	28.54				
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,896	0	1,896	7	1,896	9	0	0.00	0	0	0	0	0	
People	1,942	0	1,942	7	1,079	5	0	0.00	0	0	0	0	0	
Misc	985	0	985	4	985	4	0	0.00	0	0	0	0	0	
<i>Sub Total ==&gt;</i>	4,823	0	4,823	18	3,960	18	0	0.00	0	0	0	0	0	
<b>Ceiling Load</b>	134	-134	0	0	136	1	-58	0.00	0	0	0	0	0	
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-17,295	30.84	-17,295	30.84	0	0	0	
<b>Ov/Undr Sizing</b>	789	0	789	3	0	0	23	-0.04	0	0	0	0	0	
<b>Exhaust Heat</b>	0	-54	-54	0	0	0	0	0.00	0	0	0	0	0	
<b>Sup. Fan Heat</b>	0	0	1,683	6	0	0	0	0.00	0	0	0	0	0	
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-22,710	40.49	0	0	0	0	0	
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	-101	0.18	0	0	0	0	0	
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
<b>Grand Total ==&gt;</b>	25,175	230	27,087	100.00	22,271	100.00	-32,971	100.00	-56,088	100.00				

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,235	1,235
<b>Terminal</b>	1,235	1,235
<b>Main Fan</b>	1,235	1,235
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	71	71
<b>MinStop/Rh</b>	123	1,235
<b>Return</b>	1,305	1,305
<b>Exhaust</b>	71	71
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.00	2.00
<b>cfm/ton</b>	546.90	
<b>ft²/ton</b>	273.45	
<b>Btu/hr-ft²</b>	43.88	-90.87
<b>No. People</b>	4.3	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	2.3	27.1	24.2	1,235	73.1	60.5	58.7	54.2	52.8	57.4
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	2.3	27.1								

AREAS			
	Gross Total	Glass	(%)
		ft²	
<b>Floor</b>	617		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	0	0	0
<b>Wall</b>	732	380	52
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-56.1	1,235	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-23.7	1,235	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-56.1			

# Room Checksums

By Trial

2- 2W-P-NW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	-1,209	-1,209	16.16	Diffuser	165	165
Wall Cond	126	56	182	5	135	5	-116	2.25	-168	-168	2.25	Terminal	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	379	0	379	10	93	3	-758	10.14	-758	-758	10.14	AHU Vent	0	0
Sub Total ==>	2,592	56	2,648	73	2,425	82	-2,083	28.55	-2,083	-2,135	28.55	Infil	9	9
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	16	165
Lights	253	0	253	7	253	9	0	0.00	0	0	0.00	Return	174	174
People	259	0	259	7	144	5	0	0.00	0	0	0.00	Exhaust	9	9
Misc	131	0	131	4	131	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	643	0	643	18	528	18	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-18	0	0	18	1	-8	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,305	30.82	-2,305	-2,305	30.82	% OA	0.0	0.0
Ov/Undr Sizing	105	0	105	3	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Exhaust Heat	0	-7	-7	0	0	0	0	0.00	0	0	0.00	cfm/ton	546.66	
Sup. Fan Heat	0	0	224	6	0	0	0	0.00	0	0	0.00	ft²/ton	273.33	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.90	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,358</b>	<b>31</b>	<b>3,613</b>	<b>100.00</b>	<b>2,971</b>	<b>100.00</b>	<b>-4,396</b>	<b>100.00</b>	<b>-7,478</b>	<b>100.00</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82	-7.5	165	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	0.0	0	0.0	0.0	
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	0	0	0.0	0.0	
											Wall	98	51	52	165	53.8	71.0
											Ext Door	0	0	0	0.0	0.0	
													0.0	0	0.0	0.0	
													<b>Total</b>	<b>-7.5</b>			

# Room Checksums

By Trial

2- 2W-P-S-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	2,233	0	2,233	64	2,233	94	0	0.00	0	0	0.00	Diffuser	126	89
Glass/Door Cond	-106	0	-106	-3	-106	-4	-870	21.59	-870	-870	21.59	Terminal	126	89
Wall Cond	20	47	67	2	20	1	-10	0.86	-10	-35	0.86	Main Fan	126	89
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-107	0	-107	-3	-47	-2	-409	10.14	-409	-409	10.14	Infil	5	5
Sub Total ==>	2,040	47	2,088	60	2,101	88	-1,289	32.59	-1,289	-1,313	32.59	MinStop/Rh	9	89
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	131	94
Lights	136	0	136	4	136	6	0	0.00	0	0	0.00	Exhaust	5	5
People	140	0	140	4	78	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	64	0	64	2	64	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	340	0	340	10	278	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	4	-4	0	0	4	0	-4	0.00	-4	-1,076	26.70	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	2	-0.04	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.84	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	432.88	
Ov/Undr Sizing	894	0	894	26	0	0	0	0.00	0	0	0.00	ft²/ton	152.43	
Exhaust Heat	0	-2	-2	0	0	0	0	0.00	0	-1,632	40.49	Btu/hr-ft²	78.73	-90.87
Sup. Fan Heat	0	0	0	0	172	5	0	0.00	0	-11	0.26	No. People	0.3	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,278	42	3,491	100.00	2,383	100.00	-2,369	100.00	-2,369	-4,030	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.5	3.5	126	72.7	60.3	58.7	54.2	50.4	48.6	Floor	44		Main Htg	-4.0	89	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-1.7	89	53.8	71.0	
<b>Total</b>	<b>0.3</b>	<b>3.5</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	46	37	79	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-4.0</b>			

# Room Checksums

By Trial

2- 2W-P-S-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.3	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	4,467	0	4,467	64	4,467	94	0	0.00	0	0	0.00				Diffuser	252	177
Glass/Door Cond	-211	0	-211	-3	-211	-4	-1,740	-1,740	-1,740	21.59	21.59				Terminal	252	177
Wall Cond	40	95	134	2	40	1	-21	-70	-21	0.86	0.86				Main Fan	252	177
Partition/Door	0	0	0	0	0	0	0	0	0	0.00	0.00				Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0	0	0.00	0.00				Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00	0.00				AHU Vent	0	0
Infiltration	-215	0	-215	-3	-93	-2	0	0	0	0.00	0.00				Infil	10	10
Sub Total ==>	4,080	95	4,175	60	4,202	88	-817	-817	-817	10.14	10.14				MinStop/Rh	18	177
							-2,578	-2,627	-2,627	32.59	32.59				Return	262	188
<b>Internal Loads</b>				<b>Internal Loads</b>								Exhaust	10	10			
Lights	272	0	272	4	272	6	0	0.00	0	0	0.00	Rm Exh	0	0			
People	279	0	279	4	155	3	0	0.00	0	0.00	0.00	Auxiliary	0	0			
Misc	128	0	128	2	128	3	0	0.00	0	0.00	0.00	Leakage Dwn	0	0			
Sub Total ==>	679	0	679	10	555	12	0	0.00	0	0.00	0.00	Leakage Ups	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								<b>ENGINEERING CKS</b>					
Ventilation Load	0	0	0	0	0	0	-8	0.00	0	0.00	% OA				0.0	0.0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00	cfm/ft²				2.84	2.00	
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,152	-2,152	-2,152	26.70	26.70				cfm/ton	432.88	
Ov/Undr Sizing	1,788	0	1,788	26	0	0	3	-0.04	3	-0.04	-0.04				ft²/ton	152.43	
Exhaust Heat	0	-3	-3	0	0	0	0	0.00	0	0.00	0.00				Btu/hr-ft²	78.73	-90.87
Sup. Fan Heat	0	0	0	0	343	5	0	0.00	0	0.00	0.00				No. People	0.6	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00	0.00						
Grand Total ==>	6,556	83	6,983	100.00	4,766	100.00	-4,738	-8,060	-8,060	100.00	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	Floor	89	-8.1	177	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	0.0	177	53.8	71.0	
<b>Total</b>	<b>0.6</b>	<b>7.0</b>									Roof	0	0.0	0	0.0	0.0	
											Wall	92	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
													-8.1				

# Room Checksums

By Trial

2- 2W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	33,501	0	33,501	64	33,501	94	0	0.00	0	0	0.00	Diffuser	1,889	1,331
Glass/Door Cond	-1,585	0	-1,585	-3	-1,585	-4	-13,048	21.59	-13,048	-13,048	21.59	Terminal	1,889	1,331
Wall Cond	297	710	1,007	2	297	1	-154	0.86	-154	-521	0.86	Main Fan	1,889	1,331
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-1,610	0	-1,610	-3	-699	-2	-6,130	10.14	-6,130	-6,130	10.14	Infil	77	77
Sub Total ==>	30,603	710	31,313	60	31,514	88	-19,332	32.59	-19,332	-19,700	32.59	MinStop/Rh	133	1,331
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,966	1,407
Lights	2,043	0	2,043	4	2,043	6	0	0.00	0	0	0.00	Exhaust	77	77
People	2,093	0	2,093	4	1,163	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	959	0	959	2	959	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	5,096	0	5,096	10	4,166	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	61	-61	0	0	61	0	-62	0.00	-62	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.84	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-16,141	26.70	-16,141	-16,141	26.70	cfm/ton	432.88	
<b>Ov/Undr Sizing</b>	13,413	0	13,413	26	0	0	0	-0.04	0	25	-0.04	ft²/ton	152.43	
<b>Exhaust Heat</b>	0	-25	-25	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	78.73	-90.87
<b>Sup. Fan Heat</b>	0	0	0	0	2,575	5	0	0.00	0	0	0.00	No. People	4.7	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	49,174	624	52,372	100.00	35,741	100.00	-35,535	100.00	-35,535	-60,449	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
<b>Main Clg</b>	4.4	52.4	52.4	1,889	72.7	60.3	58.7	54.2	50.4	48.6	Floor	665		Main Htg	-60.5	1,331	54.2	95.0	
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	4.4	52.4									ExFlr	0		Reheat	-25.5	1,331	53.8	71.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	694	548	79	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-60.5			

# Room Checksums

By Trial

2- 2W-P-S-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.3	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	4,467	0	4,467	64	4,467	94	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	-211	0	-211	-3	-211	-4	-1,740	21.59	-1,740	-1,740	21.59	Diffuser	252	177
Wall Cond	40	95	134	2	40	1	-21	0.86	-21	-70	0.86	Terminal	252	177
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	252	177
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	-215	0	-215	-3	-93	-2	-817	10.14	-817	-817	10.14	AHU Vent	0	0
Sub Total ==>	4,080	95	4,175	60	4,202	88	-2,578	32.59	-2,578	-2,627	32.59	Infil	10	10
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	18	177
Lights	272	0	272	4	272	6	0	0.00	0	0	0.00	Return	262	188
People	279	0	279	4	155	3	0	0.00	0	0	0.00	Exhaust	10	10
Misc	128	0	128	2	128	3	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	679	0	679	10	555	12	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Lights	8	-8	0	0	8	0	-8	0.00	-8	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,152	26.70	-2,152	-2,152	26.70	cfm/ft²	2.84	2.00
Ov/Undr Sizing	1,788	0	1,788	26	0	0	3	-0.04	3	0	-0.04	cfm/ton	432.88	
Exhaust Heat	0	-3	-3	0	0	0	0	0.00	0	0	0.00	ft²/ton	152.43	
Sup. Fan Heat	0	0	343	5	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	78.73	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	6,556	83	6,983	100.00	4,766	100.00	-4,738	100.00	-4,738	-8,060	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	Floor	89		Main Htg	-8.1	177	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.4	177	53.8	71.0	
<b>Total</b>	<b>0.6</b>	<b>7.0</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	92	73	79	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-8.1</b>			



# Room Checksums

By Trial

2- 2W-P-SW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	3,372	0	3,372	70	3,372	80	0	0.00	0	0	0.00	Diffuser	224	187
Glass/Door Cond	64	0	64	1	64	2	-1,355	15.99	-1,355	-1,355	15.99	Terminal	224	187
Wall Cond	148	90	237	5	148	3	-81	1.54	-130	-130	1.54	Main Fan	224	187
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	53	0	53	1	44	1	0	0.00	-859	-859	10.14	Infil	11	11
Sub Total ==>	3,636	90	3,726	77	3,627	86	0	0.00	-2,295	-2,345	27.67	MinStop/Rh	19	187
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	234	197
Lights	286	0	286	6	286	7	0	0.00	0	0	0.00	Exhaust	11	11
People	293	0	293	6	163	4	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	138	0	138	3	138	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	718	0	718	15	588	14	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups												0	0	
Ceiling Load	17	-17	0	0	17	0	-9	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00
Dehumid. Ov Sizing			0	0			0	0.00	-2,677	-2,677	31.59	cfm/ton	555.57	
Ov/Undr Sizing	89		89	2	0	0	0	0.00	0	0	0.00	ft²/ton	231.59	
Exhaust Heat		-7	-7	0			4	-0.04	0	0	0.00	Btu/hr-ft²	51.82	-90.87
Sup. Fan Heat			305	6			0	0.00	0	0	0.00	No. People	0.7	7.0/1000 ft²
Ret. Fan Heat			0	0			0	0.00	-3,431	-3,431	40.49			
Duct Heat Pkup			0	0			0	0.00	-24	-24	0.29			
Underflr Sup Ht Pkup			0	0			0	0.00	0	0	0.00			
Supply Air Leakage			0	0			0	0.00	0	0	0.00			
Grand Total ==>	4,461	66	4,832	100.00	4,232	100.00	Grand Total ==>	-4,981	-8,473	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	4.8	4.7	224	73.0	60.4	58.7	54.2	52.9	57.7	Floor	93		Main Htg	-8.5	187	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.6	187	53.8	71.0	
Total	0.4	4.8									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	93	57	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-8.5			

# Room Checksums

By Trial

2- 2W-P-SW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	15.99	Diffuser				447	373	
Wall Cond	295	180	475	5	295	3	-162	1.54	-261	1.54	Terminal				447	373	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Main Fan				447	373	
Floor	0	0	0	0	0	0	0	0.00	0	0.00	Sec Fan				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				0	0	
Infiltration	106	106	1	88	1	-1,718	-1,718	10.14	-1,718	-1,718	10.14				AHU Vent	0	0
Sub Total ==>	7,273	180	7,453	77	7,255	86	-4,591	27.67	-4,591	-4,690	27.67				Infil	21	21
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							MinStop/Rh	37	373
Lights	573	0	573	6	573	7	0	0.00	0	0	0.00	Return	469	394			
People	587	0	587	6	326	4	0	0.00	0	0.00	Exhaust	21	21				
Misc	277	0	277	3	277	3	0	0.00	0	0.00	Rm Exh	0	0				
Sub Total ==>	1,437	0	1,437	15	1,176	14	0	0.00	0	0.00	Auxiliary	0	0				
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Dwn	0	0			
Ventilation Load	0	-34	0	0	34	0	-18	0.00	0	0.00	Leakage Ups	0	0				
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00	<b>ENGINEERING CKS</b>						
Dehumid. Ov Sizing	0	0	0	0	0	0	-5,354	31.59	-5,354	31.59				Cooling	Heating		
Ov/Undr Sizing	178	0	178	2	0	0	7	-0.04	0	-0.04				% OA	0.0	0.0	
Exhaust Heat	0	-14	0	0	0	0	0	0.00	0	0.00				cfm/ft²	2.40	2.00	
Sup. Fan Heat	0	0	610	6	0	0	0	0.00	0	0.00				cfm/ton	555.57		
Ret. Fan Heat	0	0	0	0	0	0	-6,862	40.49	0	0.00				ft²/ton	231.59		
Duct Heat Pkup	0	0	0	0	0	0	-49	0.29	0	0.00				Btu/hr-ft²	51.82	-90.87	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00				No. People	1.3	7.0/1000 ft²	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00							
Grand Total ==>	8,921	133	9,664	100.00	8,464	100.00	-9,962	100.00	-16,947	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm	°F
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7	Floor	187		Main Htg	-17.0	373	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-7.2	373	53.8	71.0	
<b>Total</b>	<b>0.8</b>	<b>9.7</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	187	114	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-17.0</b>			

# Room Checksums

By Trial

2- 2W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating		
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1		OADB: -1		SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0	
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>			
Glass Solar	50,587	0	50,587	70	50,587	80	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	3,356	2,798
Glass/Door Cond	957	0	957	1	957	2	Glass/Door Cond	-20,329	15.99	Glass/Door Cond	-20,329	15.99	Terminal	3,356	2,798
Wall Cond	2,213	1,350	3,562	5	2,213	3	Wall Cond	-1,215	1.54	Wall Cond	-1,215	1.54	Main Fan	3,356	2,798
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0	
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0	
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0	
Infiltration	794	794	794	1	661	1	Infiltration	-12,889	10.14	Infiltration	-12,889	10.14	Infil	161	161
Sub Total ==>	54,550	1,350	55,900	77	54,417	86	Sub Total ==>	-34,433	27.67	Sub Total ==>	-34,433	27.67	MinStop/Rh	280	2,798
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	3,517	2,958	
Lights	4,297	0	4,297	6	4,297	7	Lights	0	0.00	Lights	0	0.00	Exhaust	161	161
People	4,402	0	4,402	6	2,445	4	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	2,077	0	2,077	3	2,077	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	10,775	0	10,775	15	8,819	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0	
Ceiling Load	251	-251	0	0	251	0	Ceiling Load	-131	0.00	Ceiling Load	-131	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0	
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00	Adj Air Trans Heat	0	0.00	cfm/ft²	2.40	2.00	
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-40,152	31.59	Ov/Undr Sizing	-40,152	31.59	cfm/ton	555.60		
Ov/Undr Sizing	1,333	0	1,333	2	0	Exhaust Heat	53	-0.04	Exhaust Heat	53	-0.04	ft²/ton	231.58		
Exhaust Heat	0	-102	-102	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	51.82	-90.87	
Sup. Fan Heat	0	4,574	4,574	6	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	9.8	7.0/1000 ft²	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-51,462	40.49	Additional Reheat	-51,462	40.49				
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-365	0.29	System Plenum Heat	-365	0.29				
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00				
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00				
Grand Total ==>	66,910	997	72,480	100.00	63,487	100.00	Grand Total ==>	-74,716	100.00	Grand Total ==>	-74,716	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F
Main Clg	6.0	72.5	70.4	3,356	73.0	60.4	58.7	54.2	52.9	57.7	Floor	1,399				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				
											ExFlr	0				
Total	6.0	72.5									Roof	0	0	0		
											Wall	1,399	854	61		
											Ext Door	0	0	0		
											Total	-127.1				

# Room Checksums

By Trial

2- 2W-P-SW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0.00				Diffuser	447	373
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	15.99	Terminal				447	373	
Wall Cond	295	180	475	5	295	3	-162	1.54	-261	1.54	Main Fan				447	373	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Sec Fan				0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	AHU Vent				0	0	
Infiltration	106	106	1	88	1	-1,718	-1,718	10.14	-1,718	-1,718	10.14				Infil	21	21
Sub Total ==>	7,273	180	7,453	77	7,255	86	-4,591	27.67	-4,591	-4,690	27.67				MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							Return	469	394
Lights	573	0	573	6	573	7	0	0.00	0	0	0.00	Exhaust	21	21			
People	587	0	587	6	326	4	0	0.00	0	0.00	Rm Exh	0	0				
Misc	277	0	277	3	277	3	0	0.00	0	0.00	Auxiliary	0	0				
Sub Total ==>	1,437	0	1,437	15	1,176	14	0	0.00	0	0	0.00	Leakage Dwn	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0			
Ventilation Load	0	-34	0	0	34	0	-18	0.00	0	0.00	<b>ENGINEERING CKS</b>						
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0.00				% OA	0.0	0.0	
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0.00				cfm/ft²	2.40	2.00	
Ov/Undr Sizing	178	0	178	2	0	0	-5,354	31.59	-5,354	31.59				cfm/ton	555.57		
Exhaust Heat	0	-14	-14	0	0	0	7	-0.04	0	0.00				ft²/ton	231.59		
Sup. Fan Heat	0	0	610	6	0	0	0	0.00	0	0.00				Btu/hr-ft²	51.82	-90.87	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0.00				No. People	1.3	7.0/1000 ft²	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00							
Grand Total ==>	8,921	133	9,664	100.00	8,464	100.00	-9,962	100.00	-9,962	-16,947	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7	Floor	187		Main Htg	-17.0	373	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-7.2	373	53.8	71.0	
<b>Total</b>	<b>0.8</b>	<b>9.7</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	187	114	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-17.0</b>			

# Room Checksums

By Trial

### 3- 3E-I-CN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design							Cooling		Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1							SADB	55.0	95.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	Ra Plenum	72.7	70.7		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	Fn MtrTD	0.1	0.0		
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5,138	5,138			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5,138	5,138			
Roof Cond	0	7,661	16	0	0	0	-6,576	2.82	0	0	0.00	Main Fan	5,138	5,138			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	295	295			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	514	5,138			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	5,433	5,433			
Infiltration	12,728	12,728	27	3,945	19	-23,670	-23,670	10.14	-23,670	-23,670	10.14	Exhaust	295	295			
<b>Sub Total ==&gt;</b>	<b>12,728</b>	<b>7,661</b>	<b>43</b>	<b>3,945</b>	<b>19</b>	<b>-23,670</b>	<b>-30,245</b>	<b>12.96</b>				Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>		
Lights	7,891	0	17	7,891	38	0	0	0.00	0	0	0.00	% OA	0.0	0.0			
People	8,084	0	17	4,491	22	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00			
Misc	3,770	0	8	3,770	18	0	0	0.00	0	0	0.00	cfm/ton	1,314.63				
<b>Sub Total ==&gt;</b>	<b>19,744</b>	<b>0</b>	<b>42</b>	<b>16,151</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>0.00</b>				ft²/ton	657.32				
<b>Ceiling Load</b>	<b>591</b>	<b>-591</b>	<b>0</b>	<b>591</b>	<b>3</b>	<b>-241</b>	<b>0</b>	<b>0.00</b>				Btu/hr-ft²	18.26	-90.87			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	18.0	7.0/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0			-113,305	-113,305	48.54									
Ov/Undr Sizing	0	0	0	0	0	97	0	-0.04									
Exhaust Heat		-239	-1			0	0	0.00									
Sup. Fan Heat		7,002	15			0	0	0.00									
Ret. Fan Heat		0	0			-94,510	40.49										
Duct Heat Pkup		0	0			4,544	-1.95										
Underflr Sup Ht Pkup		0	0				0	0.00									
Supply Air Leakage		0	0				0	0.00									
<b>Grand Total ==&gt;</b>	<b>33,063</b>	<b>6,831</b>	<b>100.00</b>	<b>20,688</b>	<b>100.00</b>	<b>-137,216</b>	<b>-233,419</b>	<b>100.00</b>									

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	%	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb									
Main Clg	3.9	46.9	34.5	5,138	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,569							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0							
											ExFlr	0							
<b>Total</b>	<b>3.9</b>	<b>46.9</b>									Roof	2,569	0	0					
											Wall	0	0	0					
											Ext Door	0	0	0					

# Room Checksums

By Trial

## 3- 3E-I-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	3,830	16	0	0	0	-3,288	2.82	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2,569	2,569
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	6,364	6,364	27	1,972	19	-11,835	-11,835	10.14	0	0	0.00	Infil	148	148
Sub Total ==>	6,364	10,194	43	1,972	19	-11,835	-15,123	12.96	0	0	0.00	MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,717	2,717
Lights	3,945	3,945	17	3,945	38	0	0	0.00	0	0	0.00	Exhaust	148	148
People	4,042	4,042	17	2,245	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,885	1,885	8	1,885	18	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	9,872	9,872	42	8,076	78	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-121	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	-56,652	-56,652	48.54	0	0	0.00	cfm/ton	1,314.63	
Exhaust Heat	-119	-119	-1	0	0	0	49	-0.04	0	0	0.00	ft²/ton	657.31	
Sup. Fan Heat	3,501	3,501	15	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	18.26	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	9.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>16,532</b>	<b>23,448</b>	<b>100.00</b>	<b>10,344</b>	<b>100.00</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	2.0	23.5	17.3	2,569	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,284				Main Htg	-116.7	2,569	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>2.0</b>	<b>23.5</b>									ExFlr	0				Reheat	-49.2	2,569	53.8	71.0
											Roof	1,284	0	0		Humidif	0.0	0	0.0	0.0
											Wall	0	0	0		Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0		<b>Total</b>	<b>-116.7</b>			

# Room Checksums

By Trial

3- 3E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			Ra Plenum		70.7	Return	72.7	70.7
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	72.7	0.1	0.0	0.0		
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser		12,844	12,844		
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal		12,844	12,844		
Roof Cond	0	19,151	19,151	16	0	0	-16,439	2.82	Main Fan		12,844	12,844		
Glass Solar	0	0	0	0	0	0	0	0.00	Sec Fan		0	0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Nom Vent		0	0		
Wall Cond	0	0	0	0	0	0	0	0.00	AHU Vent		0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	Infil		739	739		
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh		1,284	12,844		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return		13,583	13,583		
Infiltration	31,820	31,820	27	9,862	19	-59,174	-59,174	10.14	Exhaust		739	739		
Sub Total ==>	31,820	19,151	50,971	43	9,862	-59,174	-75,613	12.96	Rm Exh		0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	19,726	0	19,726	17	19,726	0	0	0.00	% OA		0.0	0.0		
People	20,209	0	20,209	17	11,227	0	0	0.00	cfm/ft²		2.00	2.00		
Misc	9,425	0	9,425	8	9,425	0	0	0.00	cfm/ton		1,314.63			
Sub Total ==>	49,360	0	49,360	42	40,379	0	0	0.00	ft²/ton		657.32			
Ceiling Load	1,478	-1,478	0	0	1,478	-603	0	0.00	Btu/hr-ft²		18.26	-90.87		
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People		44.9	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	-283,262	-283,262	48.54						
Ov/Undr Sizing	0	0	0	0	0	243	0	-0.04						
Exhaust Heat	-597	-597	-1	-1	0	0	0	0.00						
Sup. Fan Heat	17,506	17,506	15	15	0	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	-236,276	11,360	-1.95						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>82,658</b>	<b>17,077</b>	<b>117,241</b>	<b>100.00</b>	<b>51,719</b>	<b>-343,039</b>	<b>-583,549</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	9.8	117.2	86.3	12,844	73.1	60.5	58.7	54.2	53.1	58.7	Floor	6,422		Main Htg	-583.6	12,844	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-246.2	12,844	53.8	71.0	
<b>Total</b>	<b>9.8</b>	<b>117.2</b>									Roof	6,422	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-583.6</b>			





# Room Checksums

By Trial

## 3- 3E-P-NE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 71 / 64 / 78		OADB: 71		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)						
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	19	19	1	0	0	-147	2.82						
Glass Solar	1,659	0	1,659	72	1,659	87	0	0.00						
Glass/Door Cond	-34	0	-34	-1	-34	-2	-1,092	20.92						
Wall Cond	26	34	60	3	26	1	-25	1.11						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	92	0	92	4	-7	0	-529	10.14						
<b>Sub Total ==&gt;</b>	<b>1,743</b>	<b>53</b>	<b>1,795</b>	<b>78</b>	<b>1,643</b>	<b>86</b>	<b>-1,646</b>	<b>34.98</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	135	0	135	6	135	7	0	0.00						
People	141	0	141	6	61	3	0	0.00						
Misc	70	0	70	3	70	4	0	0.00						
<b>Sub Total ==&gt;</b>	<b>346</b>	<b>0</b>	<b>346</b>	<b>15</b>	<b>266</b>	<b>14</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>3</b>	<b>-3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>-5</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>			<b>0</b>	<b>0</b>			<b>-1,417</b>	<b>27.15</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>-0.04</b>						
<b>Exhaust Heat</b>		<b>-1</b>	<b>0</b>	<b>0</b>			<b>0</b>	<b>0.00</b>						
<b>Sup. Fan Heat</b>			<b>157</b>	<b>7</b>			<b>0</b>	<b>0.00</b>						
<b>Ret. Fan Heat</b>			<b>0</b>	<b>0</b>			<b>-2,114</b>	<b>40.49</b>						
<b>Duct Heat Pkup</b>			<b>0</b>	<b>0</b>			<b>134</b>	<b>-2.58</b>						
<b>Underflr Sup Ht Pkup</b>			<b>0</b>	<b>0</b>			<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>			<b>0</b>	<b>0</b>			<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>2,091</b>	<b>49</b>	<b>2,297</b>	<b>100.00</b>	<b>1,912</b>	<b>100.00</b>	<b>-3,069</b>	<b>-5,220</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	115	115
Terminal	115	115
Main Fan	115	115
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	7	7
MinStop/Rh	11	115
Return	122	122
Exhaust	7	7
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	600.32	
ft²/ton	300.16	
Btu/hr-ft²	39.98	-90.87
No. People	0.4	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.3	2.1	115	72.6	60.3	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.2</b>	<b>2.3</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	57		
Part	0		
Int Door	0		
ExFlr	0		
Roof	57	0	0
Wall	62	46	74
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-5.2	115	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-2.2	115	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-5.2</b>			

# Room Checksums

By Trial

## 3- 3E-P-NE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 71 / 64 / 78		OADB: 71		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	38	1	0	0	0	-294	2.82						
Glass Solar	3,317	0	72	3,317	87	0	0	0.00						
Glass/Door Cond	-67	0	-1	-67	-2	-2,184	-2,184	20.92						
Wall Cond	51	68	3	51	1	-50	-115	1.11						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	184	184	4	-15	0	-1,059	-1,059	10.14						
<b>Sub Total ==&gt;</b>	<b>3,485</b>	<b>106</b>	<b>3,591</b>	<b>78</b>	<b>3,287</b>	<b>86</b>	<b>-3,292</b>	<b>34.98</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	271	0	271	6	271	7	0	0.00						
People	282	0	282	6	121	3	0	0.00						
Misc	139	0	139	3	139	4	0	0.00						
<b>Sub Total ==&gt;</b>	<b>692</b>	<b>0</b>	<b>692</b>	<b>15</b>	<b>531</b>	<b>14</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>5</b>	<b>-5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>-11</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-2,834</b>	<b>27.15</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>-0.04</b>						
<b>Exhaust Heat</b>	<b>0</b>	<b>-2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>313</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-4,227</b>	<b>40.49</b>						
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>269</b>	<b>-2.58</b>						
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>4,182</b>	<b>98</b>	<b>4,594</b>	<b>100.00</b>	<b>3,823</b>	<b>100.00</b>	<b>-6,138</b>	<b>-10,441</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	230	230
Terminal	230	230
Main Fan	230	230
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	13	13
MinStop/Rh	23	230
Return	243	243
Exhaust	13	13
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	600.32	
ft²/ton	300.16	
Btu/hr-ft²	39.98	-90.87
No. People	0.8	7.0/1000 ft²

COOLING COIL SELECTION									
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.4	4.6	230	72.6	60.3	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.4</b>	<b>4.6</b>							

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	115		
Part	0		
Int Door	0		
ExFlr	0		
Roof	115	0	0
Wall	124	92	74
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-10.4	230	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-4.4	230	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-10.4</b>			

# Room Checksums

By Trial

3- 3E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 71 / 64 / 78		OADB: 71		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.2	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	282	1	0	0	Roof Cond	-2,206	2.82	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	24,865	0	24,865	72	87	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	1,724	1,724
Glass/Door Cond	-505	0	-505	-1	-2	Glass/Door Cond	-16,370	20.91	Glass/Door Cond	-16,370	20.91	Terminal	1,724	1,724
Wall Cond	386	510	895	3	1	Wall Cond	-373	1.10	Wall Cond	-865	1.10	Main Fan	1,724	1,724
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	1,379	0	1,379	4	0	Infiltration	-7,940	10.14	Infiltration	-7,940	10.14	Infil	99	99
Sub Total ==>	26,125	792	26,917	78	86	Sub Total ==>	-24,684	34.97	Sub Total ==>	-27,382	34.97	MinStop/Rh	172	1,724
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,823	1,823
Lights	2,029	0	2,029	6	7	Lights	0	0.00	Lights	0	0.00	Exhaust	99	99
People	2,114	0	2,114	6	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	1,044	0	1,044	3	4	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	5,188	0	5,188	15	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	41	-41	0	0	0	Ceiling Load	-81	0.00	Ceiling Load	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-21,267	27.16	Ov/Undr Sizing	-21,267	27.16	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	33	-0.04	Exhaust Heat	33	-0.04	cfm/ton	600.57	
Exhaust Heat	-16	-16	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	300.29	
Sup. Fan Heat	0	2,349	7	0	7	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	39.96	-90.87
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-31,705	40.49	Additional Reheat	-31,705	40.49	No. People	6.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	2,016	-2.58	System Plenum Heat	2,016	-2.58			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	31,353	735	34,437	100.00	28,659	Grand Total ==>	-46,031	100.00	Grand Total ==>	-78,305	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	2.9	34.4	31.7	1,724	72.6	60.3	58.7	54.2	53.1	58.7	Floor	862		Main Htg	-78.3	1,724	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-33.0	1,724	53.8	71.0
<b>Total</b>	<b>2.9</b>	<b>34.4</b>									Roof	862	0	Humidif	0.0	0	0.0	0.0
											Wall	929	687	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-78.3</b>			

## Room Checksums

By Trial

### 3- 3E-P-NE-PO

COOLING COIL PEAK				CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design			Cooling		Heating				
Outside Air:		OADB/WB/HR: 71 / 64 / 78		OADB: 71		OADB: -1			SADB		Ra Plenum		Return		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h			
<b>Envelope Loads</b>				<b>Envelope Loads</b>			<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00					55.0	95.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00					72.2	70.7	
Roof Cond	0	38	1	0	0	Roof Cond	0	2.82					72.2	70.7	
Glass Solar	3,317	0	3,317	72	3,317	Glass Solar	0	0.00					72.2	70.7	
Glass/Door Cond	-67	0	-67	-1	-67	Glass/Door Cond	-2,184	20.92					0.1	0.0	
Wall Cond	51	68	119	3	51	Wall Cond	-50	1.11					0.3	0.0	
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00					0.8	0.0	
Floor	0	0	0	0	0	Floor	0	0.00							
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00							
Infiltration	184	0	184	4	-15	Infiltration	-1,059	10.14							
<b>Sub Total ==&gt;</b>	<b>3,485</b>	<b>106</b>	<b>3,591</b>	<b>78</b>	<b>3,287</b>	<b>Sub Total ==&gt;</b>	<b>-3,292</b>	<b>34.98</b>							
<b>Internal Loads</b>				<b>Internal Loads</b>			<b>Internal Loads</b>								
Lights	271	0	271	6	271	Lights	0	0.00							
People	282	0	282	6	121	People	0	0.00							
Misc	139	0	139	3	139	Misc	0	0.00							
<b>Sub Total ==&gt;</b>	<b>692</b>	<b>0</b>	<b>692</b>	<b>15</b>	<b>531</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0.00</b>							
<b>Ceiling Load</b>	<b>5</b>	<b>-5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>Ceiling Load</b>	<b>-11</b>	<b>0.00</b>							
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Ventilation Load</b>	<b>0</b>	<b>0.00</b>							
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>							
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Ov/Undr Sizing</b>	<b>-2,834</b>	<b>27.15</b>							
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Exhaust Heat</b>	<b>4</b>	<b>-0.04</b>							
<b>Exhaust Heat</b>	<b>-2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>OA Preheat Diff.</b>	<b>0</b>	<b>0.00</b>							
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>313</b>	<b>7</b>	<b>7</b>	<b>RA Preheat Diff.</b>	<b>0</b>	<b>0.00</b>							
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Additional Reheat</b>	<b>-4,227</b>	<b>40.49</b>							
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>System Plenum Heat</b>	<b>269</b>	<b>-2.58</b>							
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0.00</b>							
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Supply Air Leakage</b>	<b>0</b>	<b>0.00</b>							
<b>Grand Total ==&gt;</b>	<b>4,182</b>	<b>98</b>	<b>4,594</b>	<b>100.00</b>	<b>3,823</b>	<b>Grand Total ==&gt;</b>	<b>-6,138</b>	<b>100.00</b>							

AIRFLOWS		
	Cooling	Heating
Diffuser	230	230
Terminal	230	230
Main Fan	230	230
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	13	13
MinStop/Rh	23	230
Return	243	243
Exhaust	13	13
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	600.32	
ft²/ton	300.16	
Btu/hr-ft²	39.98	-90.87
No. People	0.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F
Main Clg	0.4	4.6	4.2	230	72.6	60.3	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.4</b>	<b>4.6</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	115		
Part	0		
Int Door	0		
ExFlr	0		
Roof	115	0	0
Wall	124	92	74
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
	MBh	cfm	°F	°F
Main Htg	-10.4	230	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-4.4	230	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-10.4</b>			

# Room Checksums

By Trial

3- 3E-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	554	7	0	0	0	-507	2.82	0	-507	2.82	Fn Frict	0.8	0.0
Glass Solar	3,276	0	42	4,141	72	0	0	0.00	0	0	0.00			
Glass/Door Cond	355	0	5	249	4	-2,430	-2,430	13.49	-2,430	-2,430	13.49			
Wall Cond	172	93	3	237	4	-172	-265	1.47	-172	-265	1.47			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	913	0	12	157	3	-1,826	-1,826	10.14	-1,826	-1,826	10.14			
Sub Total ==>	4,716	647	69	4,784	83	-4,427	-5,028	27.92	-4,427	-5,028	27.92			
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	609	0	8	406	7	0	0	0.00	0	0	0.00			
People	624	0	8	217	4	0	0	0.00	0	0	0.00			
Misc	314	0	4	287	5	0	0	0.00	0	0	0.00			
Sub Total ==>	1,547	0	20	910	16	0	0	0.00	0	0	0.00			
Ceiling Load	43	-43	0	46	1	-19	0	0.00	-19	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing			0			-6,139	-6,139	34.09	-6,139	-6,139	34.09			
Ov/Undr Sizing	366		5	0	0	8	8	-0.04	8	8	-0.04			
Exhaust Heat		-17	0			0	0	0.00	0	0	0.00			
Sup. Fan Heat			7			0	0	0.00	0	0	0.00			
Ret. Fan Heat		0	0			0	0	0.00	0	0	0.00			
Duct Heat Pkup		0	0			0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup		0	0			0	0	0.00	0	0	0.00			
Supply Air Leakage		0	0			0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,672</b>	<b>586</b>	<b>100.00</b>	<b>5,740</b>	<b>100.00</b>	<b>-10,584</b>	<b>-18,005</b>	<b>100.00</b>	<b>-10,584</b>	<b>-18,005</b>	<b>100.00</b>			

AIRFLOWS		
	Cooling	Heating
Diffuser	396	396
Terminal	396	396
Main Fan	396	396
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	23	23
MinStop/Rh	40	396
Return	419	419
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	609.82	
ft²/ton	304.91	
Btu/hr-ft²	39.36	-90.87
No. People	1.4	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.7	7.8	6.9	396	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.7</b>	<b>7.8</b>								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	198		
Part	0		
Int Door	0		
ExFlr	0		
Roof	198	0	0
Wall	176	102	58
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg °F	
			°F	°F
Main Htg	-18.0	396	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-7.6	396	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-18.0</b>			

# Room Checksums

By Trial

## 3- 3E-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 18		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating			
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 78		OADB: -1		OADB: -1				SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7		
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0		
Roof Cond	0	1,108	7	0	0	Roof Cond	0	2.82	0	-1,014	2.82	Fn Frict	0.8	0.0		
Glass Solar	6,552	0	42	8,283	72	Glass Solar	0	0.00	0	0	0.00					
Glass/Door Cond	710	0	5	497	4	Glass/Door Cond	-4,859	13.49	-4,859	-4,859	13.49					
Wall Cond	343	185	3	473	4	Wall Cond	-343	1.47	-343	-530	1.47					
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	0	0	0.00					
Floor	0	0	0	0	0	Floor	0	0.00	0	0	0.00					
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	0	0	0.00					
Infiltration	1,827	1,827	12	314	3	Infiltration	-3,652	10.14	-3,652	-3,652	10.14					
Sub Total ==>	9,433	1,294	69	9,567	83	Sub Total ==>	-8,854	27.92	-8,854	-10,055	27.92					
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>								
Lights	1,217	0	8	812	7	Lights	0	0.00	0	0	0.00					
People	1,247	0	8	434	4	People	0	0.00	0	0	0.00					
Misc	629	0	4	575	5	Misc	0	0.00	0	0	0.00					
Sub Total ==>	3,093	0	20	1,821	16	Sub Total ==>	0	0.00	0	0	0.00					
Ceiling Load	86	-86	0	92	1	Ceiling Load	-37	0.00	-37	0	0.00					
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	0	0	0					
Dehumid. Ov Sizing			0			Ov/Undr Sizing	-12,277	34.09	-12,277	-12,277	34.09					
Ov/Undr Sizing	731		5	0	0	Exhaust Heat		-0.04		15	-0.04					
Exhaust Heat		-35	0			OA Preheat Diff.		0.00		0	0.00					
Sup. Fan Heat			7			RA Preheat Diff.		0.00		0	0.00					
Ret. Fan Heat		0	0			Additional Reheat		40.49		-14,581	40.49					
Duct Heat Pkup		0	0			System Plenum Heat		-2.46		887	-2.46					
Underflr Sup Ht Pkup		0	0			Underflr Sup Ht Pkup		0.00		0	0.00					
Supply Air Leakage		0	0			Supply Air Leakage		0.00		0	0.00					
<b>Grand Total ==&gt;</b>	<b>13,344</b>	<b>1,173</b>	<b>100.00</b>	<b>15,597</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-21,169</b>	<b>100.00</b>	<b>-21,169</b>	<b>-36,011</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	793	793
Terminal	793	793
Main Fan	793	793
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	46	46
MinStop/Rh	79	793
Return	838	838
Exhaust	46	46
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	609.82	
ft²/ton	304.91	
Btu/hr-ft²	39.36	-90.87
No. People	2.8	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.3	15.6	13.7	793	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.3</b>	<b>15.6</b>								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	396		
Part	0		
Int Door	0		
ExFlr	0		
Roof	396	0	0
Wall	352	204	58
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-36.0	793	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-15.2	793	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-36.0</b>			

# Room Checksums

By Trial

3- 3E-P-NW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 18		Mo/Hr: Heating Design							
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 78		OADB: -1							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h			
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00			<b>Diffuser</b>	<b>Cooling</b>	<b>Heating</b>
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00			<b>Terminal</b>	5,945	5,945
Roof Cond	0	8,313	7	0	0	Roof Cond	-7,608	2.82			<b>Main Fan</b>	5,945	5,945
Glass Solar	49,142	0	42	62,120	72	Glass Solar	0	0.00			<b>Sec Fan</b>	0	0
Glass/Door Cond	5,327	0	5	3,731	4	Glass/Door Cond	-36,445	13.49			<b>Nom Vent</b>	0	0
Wall Cond	2,575	1,390	3	3,549	4	Wall Cond	-2,576	1.47			<b>AHU Vent</b>	0	0
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00			<b>Infil</b>	342	342
Floor	0	0	0	0	0	Floor	0	0.00			<b>MinStop/Rh</b>	594	5,945
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00			<b>Return</b>	6,286	6,286
Infiltration	13,701	13,701	12	2,355	3	Infiltration	-27,387	10.14			<b>Exhaust</b>	342	342
<i>Sub Total ==&gt;</i>	70,746	9,703	69	71,755	83	<i>Sub Total ==&gt;</i>	-66,408	27.92			<b>Rm Exh</b>	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>		
Lights	9,130	0	8	6,087	7	Lights	0	0.00			<b>% OA</b>	0.0	0.0
People	9,353	0	8	3,256	4	People	0	0.00			<b>cfm/ft²</b>	2.00	2.00
Misc	4,717	0	4	4,311	5	Misc	0	0.00			<b>cfm/ton</b>	609.82	
<i>Sub Total ==&gt;</i>	23,200	0	20	13,654	16	<i>Sub Total ==&gt;</i>	0	0.00			<b>ft²/ton</b>	304.91	
<b>Ceiling Load</b>	647	-647	0	688	1	<b>Ceiling Load</b>	-279	0.00			<b>Btu/hr-ft²</b>	39.36	-90.87
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00			<b>No. People</b>	20.8	7.0/1000 ft²
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0					
<b>Dehumid. Ov Sizing</b>			0			<b>Ov/Undr Sizing</b>	-92,080	34.09					
<b>Ov/Undr Sizing</b>	5,486		5	0	0	<b>Exhaust Heat</b>		113	-0.04				
<b>Exhaust Heat</b>		-262	0			<b>OA Preheat Diff.</b>			0	0.00			
<b>Sup. Fan Heat</b>		8,102	7			<b>RA Preheat Diff.</b>			0	0.00			
<b>Ret. Fan Heat</b>		0	0			<b>Additional Reheat</b>		-109,354	40.49				
<b>Duct Heat Pkup</b>		0	0			<b>System Plenum Heat</b>		6,656	-2.46				
<b>Underflr Sup Ht Pkup</b>		0	0			<b>Underflr Sup Ht Pkup</b>		0	0.00				
<b>Supply Air Leakage</b>		0	0			<b>Supply Air Leakage</b>		0	0.00				
<b>Grand Total ==&gt;</b>	100,079	8,794	116,975	100.00	86,097	<b>Grand Total ==&gt;</b>	-158,767	-270,080	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR				Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F				
<b>Main Clg</b>	9.8	117.0	103.0	5,945	73.1	60.5	58.7	54.2	53.1	58.7	<b>Floor</b>	2,972		<b>Main Htg</b>	-270.1	5,945	54.2	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0		<b>Reheat</b>	-114.0	5,945	53.8	71.0
<b>Total</b>	9.8	117.0									<b>Roof</b>	2,972	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	2,639	1,530	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	-270.1			

# Room Checksums

By Trial

3- 3E-P-NW-PO

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 6 / 18		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 82 / 71 / 97			OADB: 78		OADB: -1			OADB: -1			SADB	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Coil Peak	Percent	Return	70.7				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	Of Total	Btu/h	Btu/h	(%)	Ret/OA	70.7				
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0	0	0	0.00	Fn BldTD	0.0				
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0	0	0	0.00	Fn Frict	0.0				
Roof Cond	0	1,108	1,108	7	0	Roof Cond	0	-1,014	2.82								
Glass Solar	6,552	0	6,552	42	8,283	72	Glass Solar	0	0	0	0.00						
Glass/Door Cond	710	0	710	5	497	4	Glass/Door Cond	-4,859	-4,859	13.49							
Wall Cond	343	185	529	3	473	4	Wall Cond	-343	-530	1.47							
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00							
Floor	0	0	0	0	0	0	Floor	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00							
Infiltration	1,827	0	1,827	12	314	3	Infiltration	-3,652	-3,652	10.14							
<i>Sub Total ==&gt;</i>	9,433	1,294	10,727	69	9,567	83	<i>Sub Total ==&gt;</i>	-8,854	-10,055	27.92							
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>AIRFLOWS</b>		
Lights	1,217	0	1,217	8	812	7	Lights	0	0	0.00	Cooling		Heating				
People	1,247	0	1,247	8	434	4	People	0	0	0.00	Diffuser	793		793			
Misc	629	0	629	4	575	5	Misc	0	0	0.00	Terminal	793		793			
<i>Sub Total ==&gt;</i>	3,093	0	3,093	20	1,821	16	<i>Sub Total ==&gt;</i>	0	0	0.00	Main Fan	793		793			
<b>Ceiling Load</b>	86	-86	0	0	92	1	<b>Ceiling Load</b>	-37	0	0.00	Sec Fan	0		0			
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0		0			
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0.00	AHU Vent	0		0			
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	-12,277	-12,277	34.09	Infil	46		46			
<b>Ov/Undr Sizing</b>	731		731	5	0	0	<b>Exhaust Heat</b>		15	-0.04	MinStop/Rh	79		793			
<b>Exhaust Heat</b>		-35	-35	0			<b>OA Preheat Diff.</b>		0	0.00	Return	838		838			
<b>Sup. Fan Heat</b>			1,080	7			<b>RA Preheat Diff.</b>		0	0.00	Exhaust	46		46			
<b>Ret. Fan Heat</b>		0	0	0			<b>Additional Reheat</b>		-14,581	40.49	Rm Exh	0		0			
<b>Duct Heat Pkup</b>		0	0	0			<b>System Plenum Heat</b>		887	-2.46	Auxiliary	0		0			
<b>Underflr Sup Ht Pkup</b>		0	0	0			<b>Underflr Sup Ht Pkup</b>		0	0.00	Leakage Dwn	0		0			
<b>Supply Air Leakage</b>		0	0	0			<b>Supply Air Leakage</b>		0	0.00	Leakage Ups	0		0			
<b>Grand Total ==&gt;</b>	13,344	1,173	15,597	100.00	11,480	100.00	<b>Grand Total ==&gt;</b>	-21,169	-36,011	100.00	<b>ENGINEERING CKS</b>						

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
<b>Main Clg</b>	1.3	15.6	13.7	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	396						
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0						
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0						
<b>Total</b>	1.3	15.6									ExFlr	0						
											Roof	396	0	0				
											Wall	352	204	58				
											Ext Door	0	0	0				



# Room Checksums

By Trial

## 3- 3E-P-SE-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 11		Mo/Hr: 9 / 11		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 66 / 56 / 51		OADB: 66		OADB: 66		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.2	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	64	1	0	0	Roof Cond	0	2.82	Roof Cond	-389	2.82	<b>AIRFLOWS</b>		
Glass Solar	5,050	0	5,050	50	86	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	311	304
Glass/Door Cond	-226	0	-226	-2	-4	Glass/Door Cond	-2,113	15.31	Glass/Door Cond	-2,113	15.31	Terminal	311	304
Wall Cond	183	122	305	3	3	Wall Cond	-112	1.35	Wall Cond	-187	1.35	Main Fan	311	304
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-171	-171	-2	-109	-2	Infiltration	-1,399	10.14	Infiltration	-1,399	10.14	Infil	17	17
Sub Total ==>	4,836	186	5,022	49	83	Sub Total ==>	-3,624	29.62	Sub Total ==>	-4,087	29.62	MinStop/Rh	30	304
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	328	321
Lights	466	0	466	5	8	Lights	0	0.00	Lights	0	0.00	Exhaust	17	17
People	478	0	478	5	5	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	241	0	241	2	4	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	1,185	0	1,185	12	17	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0	Leakage Ups	0	0	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	9	-9	0	0	0	<b>Ceiling Load</b>	-14	0.00	<b>Ceiling Load</b>	-14	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.05	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	366.65	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-4,473	32.42	<b>Ov/Undr Sizing</b>	-4,473	32.42	ft²/ton	179.14	
<b>Ov/Undr Sizing</b>	3,545	0	3,545	35	0	<b>Exhaust Heat</b>	6	-0.04	<b>Exhaust Heat</b>	6	-0.04	Btu/hr-ft²	66.99	-90.87
<b>Exhaust Heat</b>	0	-4	-4	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	1.1	7.0/1000 ft²
<b>Sup. Fan Heat</b>	0	424	4	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-5,587	40.49	<b>Additional Reheat</b>	-5,587	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	343	-2.49	<b>System Plenum Heat</b>	343	-2.49			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	9,575	174	10,172	100.00	5,880	<b>Grand Total ==&gt;</b>	-8,111	100.00	<b>Grand Total ==&gt;</b>	-13,798	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.9	10.2	10.0	311	72.6	60.3	58.7	54.2	48.4	41.3	Floor	152		Main Htg	-13.8	304	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-5.8	304	53.8	71.0
<b>Total</b>	0.9	10.2									Roof	152	0	Humidif	0.0	0	0.0	0.0
											Wall	141	89	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-13.8			

# Room Checksums

By Trial

### 3- 3E-P-SE-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 11		Mo/Hr: 9 / 11		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 66 / 56 / 51		OADB: 66		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	129	129	1	0	0	-777	2.82						
Glass Solar	10,096	0	10,096	50	10,096	86	0	0.00						
Glass/Door Cond	-452	0	-452	-2	-452	-4	-4,223	15.30						
Wall Cond	365	244	609	3	365	3	-224	1.35						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	-343	0	-343	-2	-218	-2	-2,798	10.14						
<i>Sub Total ==&gt;</i>	9,666	372	10,039	49	9,792	83	-7,246	29.61						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	933	0	933	5	933	8	0	0.00						
People	956	0	956	5	531	5	0	0.00						
Misc	482	0	482	2	482	4	0	0.00						
<i>Sub Total ==&gt;</i>	2,371	0	2,371	12	1,946	17	0	0.00						
<b>Ceiling Load</b>	18	-18	0	0	18	0	-29	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-8,948	32.43						
<b>Ov/Undr Sizing</b>	7,091		7,091	35	0	0	12	-0.04						
<b>Exhaust Heat</b>		-7	-7	0			0	0.00						
<b>Sup. Fan Heat</b>			847	4			0	0.00						
<b>Ret. Fan Heat</b>		0	0	0			-11,174	40.49						
<b>Duct Heat Pkup</b>		0	0	0			686	-2.49						
<b>Underflr Sup Ht Pkup</b>		0	0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	19,146	348	20,340	100.00	11,755	100.00	-16,223	27.596	100.00					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	621	607
<b>Terminal</b>	621	607
<b>Main Fan</b>	621	607
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	35	35
<b>MinStop/Rh</b>	61	607
<b>Return</b>	656	642
<b>Exhaust</b>	35	35
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	2.05	2.00
<b>cfm/ton</b>	366.58	
<b>ft²/ton</b>	179.17	
<b>Btu/hr-ft²</b>	66.97	-90.87
<b>No. People</b>	2.1	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	1.7	20.3	20.0	621	72.6	60.3	58.7	54.2	48.4	41.3
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	1.7	20.3								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	304		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	304	0	0
<b>Wall</b>	281	177	63
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	-27.6	607	54.2	95.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Reheat</b>	-11.6	607	53.8	71.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	-27.6			

# Room Checksums

By Trial

3- 3E-P-SE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 11		Mo/Hr: 9 / 11		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 66 / 56 / 51		OADB: 66		OADB: -1			Ra Plenum		70.7	Return	72.2	70.7
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	72.2	0.1	0.3	0.8		
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser		4,660	4,556		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal		4,660	4,556		
Roof Cond	0	964	1	0	0	Roof Cond	0	2.82	Main Fan		4,660	4,556		
Glass Solar	75,722	0	75,722	50	86	Glass Solar	0	0.00	Sec Fan		0	0		
Glass/Door Cond	-3,392	0	-3,392	-2	-4	Glass/Door Cond	-31,673	15.30	Nom Vent		0	0		
Wall Cond	2,741	1,827	4,568	3	3	Wall Cond	-1,682	1.35	AHU Vent		0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil		262	262		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh		456	4,556		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return		4,922	4,817		
Infiltration	-2,570	-2,570	-2	-1,632	-2	Infiltration	-20,988	10.14	Exhaust		262	262		
Sub Total ==>	72,501	2,791	75,292	49	83	Sub Total ==>	-54,343	29.61	Rm Exh		0	0		
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>			
Lights	6,997	0	6,997	5	8	Lights	0	0.00	% OA		0.0	0.0		
People	7,168	0	7,168	5	5	People	0	0.00	cfm/ft²		2.05	2.00		
Misc	3,615	0	3,615	2	4	Misc	0	0.00	cfm/ton		366.58			
Sub Total ==>	17,779	0	17,779	12	17	Sub Total ==>	0	0.00	ft²/ton		179.17			
Ceiling Load	131	-131	0	0	0	Ceiling Load	-214	0.00	Btu/hr-ft²		66.98	-90.87		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People		15.9	7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing			0	0	0	Ov/Undr Sizing	-67,112	32.43						
Ov/Undr Sizing	53,182		53,182	35	0	Exhaust Heat	86	-0.04						
Exhaust Heat		-53	-53	0	0	OA Preheat Diff.	0	0.00						
Sup. Fan Heat			6,352	4	4	RA Preheat Diff.	0	0.00						
Ret. Fan Heat		0	0	0	0	Additional Reheat	-83,802	40.49						
Duct Heat Pkup		0	0	0	0	System Plenum Heat	5,148	-2.49						
Underflr Sup Ht Pkup		0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage		0	0	0	0	Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	<b>143,594</b>	<b>2,607</b>	<b>152,552</b>	<b>100.00</b>	<b>88,164</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-121,669</b>	<b>-206,973</b>	<b>100.00</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm	°F
Main Clg	12.7	152.6	150.3	4,660	72.6	60.3	58.7	54.2	48.4	41.3	Floor	2,278		Main Htg	-207.0	4,556	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-87.3	4,556	53.8	71.0	
<b>Total</b>	<b>12.7</b>	<b>152.6</b>									Roof	2,278	0	Humidif	0.0	0	0.0	0.0	
											Wall	2,111	1,330	63	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-207.0</b>			

# Room Checksums

By Trial

## 3- 3E-P-SE-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 11		Mo/Hr: 9 / 11		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 66 / 56 / 51		OADB: 66		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.2	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.2	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	129	1	0	0	0	-777	2.82	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	10,096	0	50	10,096	86	0	0	0.00	0	0	0.00	Diffuser	621	607
Glass/Door Cond	-452	0	-2	-452	-4	-4,223	-4,223	15.30	-4,223	-4,223	15.30	Terminal	621	607
Wall Cond	365	244	3	365	3	-224	-373	1.35	0	0	0.00	Main Fan	621	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-343	-343	-2	-218	-2	-2,798	-2,798	10.14	0	0	0.00	Infil	35	35
Sub Total ==>	9,666	372	49	9,792	83	-7,246	-8,172	29.61	0	0	0.00	MinStop/Rh	61	607
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	656	642
Lights	933	0	5	933	8	0	0	0.00	0	0	0.00	Exhaust	35	35
People	956	0	5	531	5	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	482	0	2	482	4	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,371	0	12	1,946	17	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-29	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.05	2.00
Ov/Undr Sizing	7,091	0	35	0	0	-8,948	-8,948	32.43	0	0	0.00	cfm/ton	366.58	
Exhaust Heat	0	-7	0	0	0	0	12	-0.04	0	0	0.00	ft²/ton	179.17	
Sup. Fan Heat	0	847	4	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	66.97	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.1	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>19,146</b>	<b>348</b>	<b>100.00</b>	<b>11,755</b>	<b>100.00</b>	<b>-16,223</b>	<b>-27,596</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.7	20.3	20.0	621	72.6	60.3	58.7	54.2	48.4	41.3	Floor	304		Main Htg	-27.6	607	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-11.6	607	53.8	71.0
<b>Total</b>	<b>1.7</b>	<b>20.3</b>									Roof	304	0	Humidif	0.0	0	0.0	0.0
											Wall	281	177	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-27.6</b>			

# Room Checksums

By Trial

### 3- 3W-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	2,057	2,057
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	2,057	2,057
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	2,057	2,057
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	5,096	0	5,096	32	1,580	19	-9,478	10.14	-9,478	-9,478	10.14				AHU Vent	0	0
Sub Total ==>	5,096	0	5,096	32	1,580	19	-9,478	10.14	-9,478	-9,478	10.14				Infil	118	118
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	206	2,057
Lights	3,160	0	3,160	20	3,160	38	0	0.00	0	0	0.00				Return	2,175	2,175
People	3,237	0	3,237	21	1,798	22	0	0.00	0	0	0.00	Exhaust	118	118			
Misc	1,527	0	1,527	10	1,527	18	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	7,924	0	7,924	50	6,485	78	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	0	-45,370	48.54	-45,370	-45,370	48.54				% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				cfm/ft²	2.00	2.00
Exhaust Heat	0	-96	-96	-1	0	0	0	0.00	0	0	0.00				cfm/ton	1,569.55	
Sup. Fan Heat	0	0	2,804	18	0	0	0	0.00	0	0	0.00				ft²/ton	784.78	
Ret. Fan Heat	0	0	0	0	0	0	-37,844	40.49	-37,844	-37,844	40.49				Btu/hr-ft²	15.29	-90.87
Duct Heat Pkup	0	0	0	0	0	0	-814	0.87	-814	-814	0.87				No. People	7.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	13,257	-332	15,728	100.00	8,301	100.00	-54,944		-93,466	-93,466	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.3	15.7	10.8	2,057	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,029	Main Htg	-93.5	2,057	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-39.4	2,057	53.8	71.0
<b>Total</b>	<b>1.3</b>	<b>15.7</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-93.5</b>			

# Room Checksums

By Trial

## 3- 3W-I-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	2,548	2,548	32	790	19	Infiltration	-4,739	10.14	Infiltration	-4,739	10.14	Infil	59	59
Sub Total ==>	2,548	2,548	32	790	19	Sub Total ==>	-4,739	10.14	Sub Total ==>	-4,739	10.14	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	1,580	20	1,580	38	Lights	0	0.00	Lights	0	0.00	Exhaust	59	59
People	1,618	1,618	21	899	22	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	764	764	10	764	18	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	3,962	3,962	50	3,242	78	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	118	0	0	118	3	Ceiling Load	-48	0.00	Ceiling Load	-48	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-22,685	48.54	Ov/Undr Sizing	-22,685	48.54	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	19	-0.04	Exhaust Heat	19	-0.04	cfm/ton	1,569.55	
Exhaust Heat	-48	-48	-1	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	784.77	
Sup. Fan Heat	1,402	1,402	18	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-18,922	40.49	Additional Reheat	-18,922	40.49	No. People	3.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-407	0.87	System Plenum Heat	-407	0.87			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,628</b>	<b>-166</b>	<b>7,864</b>	<b>100.00</b>	<b>4,151</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-27,472</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-46,733</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.7	7.9	5.4	1,029	73.1	60.5	58.7	54.2	53.1	58.7	Floor	514		Main Htg	-46.7	1,029	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.7</b>	<b>7.9</b>									ExFlr	0		Reheat	-19.7	1,029	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-46.7</b>			

# Room Checksums

By Trial

### 3- 3W-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design			Cooling		Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1			SADB	55.0	95.0				
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)	Return	72.7	70.7				
<b>Envelope Loads</b>				<b>Envelope Loads</b>							Ret/OA	72.7	70.7				
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn MtrTD	0.1	0.0				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Fn BldTD	0.3	0.0				
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00	Fn Frict	0.8	0.0				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	<b>AIRFLOWS</b>						
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00							
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				Diffuser	5,143	5,143	
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				Terminal	5,143	5,143	
Floor	0	0	0	0	0	0	Floor	0	0	0.00				Main Fan	5,143	5,143	
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				Sec Fan	0	0	
Infiltration	12,741		12,741	32	3,949	19	Infiltration	-23,695	-23,695	10.14				Nom Vent	0	0	
<i>Sub Total ==&gt;</i>	12,741	0	12,741	32	3,949	19	<i>Sub Total ==&gt;</i>	-23,695	-23,695	10.14				AHU Vent	0	0	
<b>Internal Loads</b>				<b>Internal Loads</b>										Infil	296	296	
Lights	7,899	0	7,899	20	7,899	38	Lights	0	0	0.00				MinStop/Rh	514	5,143	
People	8,092	0	8,092	21	4,496	22	People	0	0	0.00				Return	5,439	5,439	
Misc	3,818	0	3,818	10	3,818	18	Misc	0	0	0.00				Exhaust	296	296	
<i>Sub Total ==&gt;</i>	19,809	0	19,809	50	16,212	78	<i>Sub Total ==&gt;</i>	0	0	0.00				Rm Exh	0	0	
<b>Ceiling Load</b>				<b>Ceiling Load</b>										Auxiliary	0	0	
Ventilation Load	0	0	0	0	592	3	Ventilation Load	0	0	0.00				Leakage Dwn	0	0	
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00				Leakage Ups	0	0	
Dehumid. Ov Sizing			0	0	0	0	Ov/Undr Sizing	-113,424	-113,424	48.54				<b>ENGINEERING CKS</b>			
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	97	-0.04	% OA						0.0	0.0
Exhaust Heat		-239	-239	-1			OA Preheat Diff.	0	0.00	cfm/ft²						2.00	2.00
Sup. Fan Heat			7,010	18			RA Preheat Diff.	0	0.00	cfm/ton						1,569.55	
Ret. Fan Heat		0	0	0			Additional Reheat	-94,610	40.49	ft²/ton						784.78	
Duct Heat Pkup		0	0	0			System Plenum Heat	-2,034	0.87	Btu/hr-ft²						15.29	-90.87
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup	0	0.00	No. People						18.0	7.0/1000 ft²
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00								
<i>Grand Total ==&gt;</i>	33,142	-831	39,321	100.00	20,753	100.00	<i>Grand Total ==&gt;</i>	-137,360	-233,665	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	3.3	39.3	26.9	5,143	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,572				Main Htg	-233.7	5,143	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
<i>Total</i>	3.3	39.3									ExFlr	0				Reheat	-98.6	5,143	53.8	71.0
											Roof	0	0	0		Humidif	0.0	0	0.0	0.0
											Wall	0	0	0		Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0		<i>Total</i>	-233.7			

# Room Checksums

By Trial

### 3- 3W-I-SM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	2,057	2,057
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	2,057	2,057
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	2,057	2,057
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	5,096	5,096	32	1,580	19	-9,478	-9,478	10.14	-9,478	-9,478	10.14				AHU Vent	0	0
Sub Total ==>	5,096	5,096	32	1,580	19	-9,478	-9,478	10.14	-9,478	-9,478	10.14				Infil	118	118
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	206	2,057
Lights	3,160	3,160	20	3,160	38	0	0	0.00	0	0	0.00				Return	2,175	2,175
People	3,237	3,237	21	1,798	22	0	0	0.00	0	0	0.00	Exhaust	118	118			
Misc	1,527	1,527	10	1,527	18	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	7,924	7,924	50	6,485	78	0	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	237	-237	0	237	3	-97	0	0.00	-97	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	-45,370	-45,370	48.54	-45,370	-45,370	48.54				% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	39	-0.04	0	0	0.00				cfm/ft²	2.00	2.00
Exhaust Heat	-96	-96	-1	0	0	0	0	0.00	0	0	0.00				cfm/ton	1,569.55	
Sup. Fan Heat	2,804	2,804	18	0	0	0	0	0.00	0	0	0.00				ft²/ton	784.78	
Ret. Fan Heat	0	0	0	0	0	0	-37,844	40.49	0	0	0.00				Btu/hr-ft²	15.29	-90.87
Duct Heat Pkup	0	0	0	0	0	0	-814	0.87	0	0	0.00				No. People	7.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>13,257</b>	<b>-332</b>	<b>15,728</b>	<b>100.00</b>	<b>8,301</b>	<b>100.00</b>	<b>-54,944</b>	<b>-93,466</b>	<b>100.00</b>	<b>-93,466</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.3	15.7	10.8	2,057	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,029	Main Htg	-93.5	2,057	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-39.4	2,057	53.8	71.0
<b>Total</b>	<b>1.3</b>	<b>15.7</b>									Roof	0	0	0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													<b>Total</b>	<b>-93.5</b>			



# Room Checksums

By Trial

### 3- 3W-P-N-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	114	0	114	13	114	21	0	0.00	0	0	0.00	Diffuser	86	86
Glass/Door Cond	50	0	50	6	50	9	-315	8.04	-315	-315	8.04	Terminal	86	86
Wall Cond	27	9	36	4	27	5	-54	1.82	-71	-71	1.82	Main Fan	86	86
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	214	0	214	25	66	12	0	0.00	-398	-398	10.14	Infil	5	5
Sub Total ==>	406	9	414	48	258	48	0	0.00	-766	-784	19.99	MinStop/Rh	9	86
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	91	91
Lights	133	0	133	15	133	25	0	0.00	0	0	0.00	Exhaust	5	5
People	136	0	136	16	75	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	64	0	64	7	64	12	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	332	0	332	39	272	50	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-10	0	0	10	2	-4	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	-1,535	-1,535	39.14	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	2	-0.04	cfm/ton	1,203.67	
Exhaust Heat	0	-4	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	601.83	
Sup. Fan Heat	0	0	118	14	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.94	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>748</b>	<b>-5</b>	<b>860</b>	<b>100.00</b>	<b>540</b>	<b>100.00</b>	<b>-2,305</b>	<b>100.00</b>	<b>-3,921</b>	<b>100.00</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.1	0.9	0.7	86	73.1	60.5	58.7	54.2	53.1	58.7	Floor	43			Main Htg	-3.9	86	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-1.7	86	53.8	71.0
<b>Total</b>	<b>0.1</b>	<b>0.9</b>									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	33	13	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-3.9</b>			

# Room Checksums

By Trial

## 3- 3W-P-N-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	229	0	229	13	21	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	101	0	101	6	9	-630	-630	8.04	-630	-630	8.04				Diffuser	173	173
Wall Cond	54	17	72	4	5	-107	-142	1.82	-107	-142	1.82				Terminal	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	173	173
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	428	0	428	25	12	-795	-795	10.14	-795	-795	10.14				AHU Vent	0	0
Sub Total ==>	811	17	829	48	48	-1,533	-1,568	19.99	-1,533	-1,568	19.99				Infil	10	10
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	17	173
Lights	265	0	265	15	25	0	0	0.00	0	0	0.00				Return	183	183
People	272	0	272	16	14	0	0	0.00	0	0	0.00	Exhaust	10	10			
Misc	128	0	128	7	12	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	665	0	665	39	50	0	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	-20	0	0	2	-8	0	0.00	-8	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	-3,069	-3,069	39.14	-3,069	-3,069	39.14				% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	3	-0.04	0	0	0.00				cfm/ft²	2.00	2.00
Exhaust Heat	0	-8	0	0	0	0	0	0.00	0	0	0.00				cfm/ton	1,203.67	
Sup. Fan Heat	0	0	235	14	0	0	0	0.00	0	0	0.00				ft²/ton	601.83	
Ret. Fan Heat	0	0	0	0	0	0	-3,175	40.49	0	0	0.00				Btu/hr-ft²	19.94	-90.87
Duct Heat Pkup	0	0	0	0	0	0	-33	0.42	0	0	0.00				No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	1,496	-10	1,721	100.00	1,080	100.00	-4,610	-7,842	100.00	-4,610	-7,842				100.00		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	0.1	1.7	1.3	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86		Main Htg	-7.8	173	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.3	173	53.8	71.0	
<b>Total</b>	<b>0.1</b>	<b>1.7</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	66	26	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-7.8</b>			

# Room Checksums

By Trial

### 3- 3W-P-N-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	1,715	0	1,715	13	1,715	21	0	0.00	0	0	0.00	Diffuser	1,295	1,295
Glass/Door Cond	757	0	757	6	757	9	-4,726	8.04	-4,726	-4,726	8.04	Terminal	1,295	1,295
Wall Cond	406	130	536	4	406	5	-805	1.82	-1,068	-1,068	1.82	Main Fan	1,295	1,295
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	3,207	0	3,207	25	994	12	-5,964	10.14	-5,964	-5,964	10.14	Infil	74	74
Sub Total ==>	6,085	130	6,215	48	3,872	48	-11,495	19.99	-11,495	-11,758	19.99	MinStop/Rh	129	1,295
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,369	1,369
Lights	1,988	0	1,988	15	1,988	25	0	0.00	0	0	0.00	Exhaust	74	74
People	2,037	0	2,037	16	1,132	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	961	0	961	7	961	12	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,986	0	4,986	39	4,081	50	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	149	-149	0	0	149	2	-61	0.00	-61	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-23,018	39.14	-23,018	-23,018	39.14	cfm/ton	1,203.67	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	-0.04	0	0	-0.04	ft²/ton	601.83	
<b>Exhaust Heat</b>	-60	-60	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	19.94	-90.87
<b>Sup. Fan Heat</b>	1,764	1,764	14	14	1,764	14	0	0.00	0	0	0.00	No. People	4.5	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	11,220	-79	12,906	100.00	8,102	100.00	-34,574	100.00	-34,574	-58,814	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	MBh	cfm	°F
Main Clg	1.1	12.9	9.8	1,295	73.1	60.5	58.7	54.2	53.1	58.7	Floor	647		Main Htg	-58.8	1,295	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-24.8	1,295	53.8	71.0	
<b>Total</b>	1.1	12.9									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	496	198	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-58.8			

# Room Checksums

By Trial

### 3- 3W-P-N-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	229	0	229	13	21	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	101	0	101	6	9	-630	-630	8.04	-630	-630	8.04				Cooling	Heating	
Wall Cond	54	17	72	4	5	-107	-142	1.82	-107	-142	1.82				Diffuser	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	173	173
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	173	173
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Infiltration	428	0	428	25	12	-795	-795	10.14	-795	-795	10.14				Nom Vent	0	0
Sub Total ==>	811	17	829	48	48	-1,533	-1,568	19.99	-1,533	-1,568	19.99				AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>											Infil	10	10
Lights	265	0	265	15	25	0	0	0.00	0	0	0.00				MinStop/Rh	17	173
People	272	0	272	16	14	0	0	0.00	0	0	0.00	Return	183	183			
Misc	128	0	128	7	12	0	0	0.00	0	0	0.00	Exhaust	10	10			
Sub Total ==>	665	0	665	39	50	0	0	0.00	0	0	0.00	Rm Exh	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0			
Ventilation Load	0	-20	0	0	2	-8	0	0.00	-8	0	0.00	Leakage Dwn	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	-3,069	-3,069	39.14	-3,069	-3,069	39.14	<b>ENGINEERING CKS</b>					
Ov/Undr Sizing	0	0	0	0	0	3	0	-0.04	3	0	-0.04				Cooling	Heating	
Exhaust Heat	0	-8	0	0	0	0	0	0.00	0	0	0.00				% OA	0.0	0.0
Sup. Fan Heat	0	0	235	14	0	0	0	0.00	0	0	0.00				cfm/ft²	2.00	2.00
Ret. Fan Heat	0	0	0	0	0	-3,175	-3,175	40.49	-3,175	-3,175	40.49				cfm/ton	1,203.67	
Duct Heat Pkup	0	0	0	0	0	-33	-33	0.42	-33	-33	0.42				ft²/ton	601.83	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	19.94	-90.87
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	0.6	7.0/1000 ft²
Grand Total ==>	1,496	-10	1,721	100.00	1,080	-4,610	-7,842	100.00	-4,610	-7,842	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	0.1	1.7	1.3	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86		Main Htg	-7.8	173	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.3	173	53.8	71.0	
<b>Total</b>	<b>0.1</b>	<b>1.7</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	66	26	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-7.8</b>			

# Room Checksums

By Trial

## 3- 3W-P-NW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	955	0	955	53	1,021	69	0	0.00	0	0	0.00	Diffuser	82	82
Glass/Door Cond	86	0	86	5	76	5	-604	16.14	-604	-604	16.14	Terminal	82	82
Wall Cond	63	28	91	5	68	5	-58	2.24	-84	-84	2.24	Main Fan	82	82
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	190	0	190	11	46	3	-379	10.14	-379	-379	10.14	Infil	5	5
Sub Total ==>	1,294	28	1,322	73	1,211	82	-1,041	28.52	-1,067	-1,067	28.52	MinStop/Rh	8	82
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	87	87
Lights	126	0	126	7	126	9	0	0.00	0	0	0.00	Exhaust	5	5
People	129	0	129	7	72	5	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	66	0	66	4	66	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	322	0	322	18	264	18	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	-9	0	0	9	1	-4	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	53	0	53	3	0	0	-1,154	30.85	-1,154	-1,154	30.85	cfm/ton	547.16	
Exhaust Heat	0	-4	0	0	0	0	2	-0.04	0	0	0.00	ft²/ton	273.58	
Sup. Fan Heat	0	0	112	6	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.86	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>1,677</b>	<b>15</b>	<b>1,805</b>	<b>100.00</b>	<b>1,484</b>	<b>100.00</b>	<b>-2,198</b>	<b>100.00</b>	<b>-3,739</b>	<b>-3,739</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb	ft²	MBh
Main Clg	0.2	1.8	1.6	82	73.1	60.5	58.7	54.2	52.8	57.4	Floor	41					Main Htg	-3.7	82	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.2</b>	<b>1.8</b>									ExFlr	0					Reheat	-1.6	82	53.8	71.0
											Roof	0	0	0			Humidif	0.0	0	0.0	0.0
											Wall	49	25	52			Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0			<b>Total</b>	<b>-3.7</b>			

# Room Checksums

By Trial

## 3- 3W-P-NW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	-1,209	-1,209	16.16	Diffuser	165	165
Wall Cond	126	56	182	5	135	5	-116	2.25	-168	-168	2.25	Terminal	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	379	0	379	10	93	3	-758	10.14	-758	-758	10.14	AHU Vent	0	0
Sub Total ==>	2,592	56	2,648	73	2,425	82	-2,083	28.55	-2,083	-2,135	28.55	Infil	9	9
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	16	165
Lights	253	0	253	7	253	9	0	0.00	0	0	0.00	Return	174	174
People	259	0	259	7	144	5	0	0.00	0	0	0.00	Exhaust	9	9
Misc	131	0	131	4	131	4	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	643	0	643	18	528	18	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-18	0	0	18	1	-8	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,305	30.82	-2,305	-2,305	30.82	% OA	0.0	0.0
Ov/Undr Sizing	105	0	105	3	0	0	0	-0.04	3	3	-0.04	cfm/ft²	2.00	2.00
Exhaust Heat	0	-7	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	546.66	
Sup. Fan Heat	0	0	224	6	0	0	0	0.00	0	0	0.00	ft²/ton	273.33	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-3,028	-3,028	40.49	Btu/hr-ft²	43.90	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.18	-13	-13	0.18	No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,358</b>	<b>31</b>	<b>3,613</b>	<b>100.00</b>	<b>2,971</b>	<b>100.00</b>	<b>-4,396</b>	<b>100.00</b>	<b>-4,396</b>	<b>-7,478</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82	Main Htg	-7.5	165	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.2	165	53.8	71.0
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	98	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-7.5</b>			

# Room Checksums

By Trial

## 3- 3W-P-NW-OO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	14,341	0	14,341	53	15,326	69	0	0.00	0	0	0.00	Diffuser	1,235	1,235
Glass/Door Cond	1,296	0	1,296	5	1,140	5	-9,059	16.15	-9,059	16.15	16.15	Terminal	1,235	1,235
Wall Cond	946	418	1,364	5	1,014	5	-872	2.25	-1,259	2.25	2.25	Main Fan	1,235	1,235
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,845	0	2,845	11	695	3	-5,688	10.14	-5,688	10.14	10.14	Infil	71	71
Sub Total ==>	19,428	418	19,847	73	18,175	82	-15,619	28.54	-16,006	28.54	28.54	MinStop/Rh	123	1,235
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,305	1,305
Lights	1,896	0	1,896	7	1,896	9	0	0.00	0	0	0.00	Exhaust	71	71
People	1,942	0	1,942	7	1,079	5	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	985	0	985	4	985	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,823	0	4,823	18	3,960	18	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-134	0	0	136	1	-58	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	789	0	789	3	0	0	-17,295	30.84	-17,295	30.84	30.84	cfm/ton	546.90	
Exhaust Heat	0	-54	-54	0	0	0	23	-0.04	23	-0.04	-0.04	ft²/ton	273.45	
Sup. Fan Heat	0	0	1,683	6	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.88	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>25,175</b>	<b>230</b>	<b>27,087</b>	<b>100.00</b>	<b>22,271</b>	<b>100.00</b>	<b>-32,971</b>	<b>100.00</b>	<b>-56,088</b>	<b>100.00</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	2.3	27.1	24.2	1,235	73.1	60.5	58.7	54.2	52.8	57.4	Floor	617		Main Htg	-56.1	1,235	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>2.3</b>	<b>27.1</b>									ExFlr	0		Reheat	-23.7	1,235	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	732	380	52	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-56.1</b>			

# Room Checksums

By Trial

## 3- 3W-P-NW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 71 / 97		OADB: 81		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	1,913	0	1,913	53	2,045	69	0	0.00	0	0	0.00	Diffuser	165	165
Glass/Door Cond	173	0	173	5	152	5	-1,209	16.16	-1,209	-1,209	16.16	Terminal	165	165
Wall Cond	126	56	182	5	135	5	-116	2.25	-168	-168	2.25	Main Fan	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	379	0	379	10	93	3	-758	10.14	-758	-758	10.14	Infil	9	9
Sub Total ==>	2,592	56	2,648	73	2,425	82	-2,083	28.55	-2,083	-2,135	28.55	MinStop/Rh	16	165
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	174	174
Lights	253	0	253	7	253	9	0	0.00	0	0	0.00	Exhaust	9	9
People	259	0	259	7	144	5	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	131	0	131	4	131	4	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	643	0	643	18	528	18	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-18	0	0	18	1	-8	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	105	0	105	3	0	0	-2,305	30.82	-2,305	-2,305	30.82	cfm/ton	546.66	
Exhaust Heat	0	-7	-7	0	0	0	0	-0.04	0	0	-0.04	ft²/ton	273.33	
Sup. Fan Heat	0	0	224	6	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.90	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,358</b>	<b>31</b>	<b>3,613</b>	<b>100.00</b>	<b>2,971</b>	<b>100.00</b>	<b>-4,396</b>	<b>100.00</b>	<b>-4,396</b>	<b>-7,478</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.6	3.2	165	73.1	60.5	58.7	54.2	52.8	57.4	Floor	82	Main Htg	-7.5	165	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-3.2	165	53.8	71.0
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	98	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-7.5</b>			



# Room Checksums

By Trial

### 3- 3W-P-S-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.3	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	2,233	0	2,233	64	2,233	94	0	0.00	0	0	0.00				Cooling	Heating	
Glass/Door Cond	-106	0	-106	-3	-106	-4	-870	21.59	-870	-870	21.59				Diffuser	126	89
Wall Cond	20	47	67	2	20	1	-10	0.86	-10	-35	0.86				Terminal	126	89
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	126	89
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	-107	-107	-3	-47	-2	-409	-409	10.14	-409	-409	10.14				AHU Vent	0	0
Sub Total ==>	2,040	47	2,088	60	2,101	88	-1,289	32.59	-1,289	-1,313	32.59				Infil	5	5
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	9	89
Lights	136	0	136	4	136	6	0	0.00	0	0	0.00	Return	131	94			
People	140	0	140	4	78	3	0	0.00	0	0	0.00	Exhaust	5	5			
Misc	64	0	64	2	64	3	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	340	0	340	10	278	12	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Lights	4	-4	0	0	4	0	-4	0.00	-4	0	0.00	Leakage Ups	0	0			
<b>Ventilation Load</b>				<b>Ventilation Load</b>								<b>ENGINEERING CKS</b>					
<b>Adj Air Trans Heat</b>				<b>Adj Air Trans Heat</b>											Cooling	Heating	
<b>Dehumid. Ov Sizing</b>				<b>Ov/Undr Sizing</b>											% OA	0.0	0.0
<b>Ov/Undr Sizing</b>				<b>Exhaust Heat</b>											cfm/ft²	2.84	2.00
<b>Exhaust Heat</b>				<b>OA Preheat Diff.</b>											cfm/ton	432.88	
<b>Sup. Fan Heat</b>				<b>RA Preheat Diff.</b>											ft²/ton	152.43	
<b>Ret. Fan Heat</b>				<b>Additional Reheat</b>											Btu/hr-ft²	78.73	-90.87
<b>Duct Heat Pkup</b>				<b>System Plenum Heat</b>											No. People	0.3	7.0/1000 ft²
<b>Underflr Sup Ht Pkup</b>				<b>Underflr Sup Ht Pkup</b>													
<b>Supply Air Leakage</b>				<b>Supply Air Leakage</b>													
<b>Grand Total ==&gt;</b>				<b>Grand Total ==&gt;</b>				<b>Grand Total ==&gt;</b>									
<b>Grand Total ==&gt;</b>				<b>Grand Total ==&gt;</b>				<b>Grand Total ==&gt;</b>									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.5	3.5	126	72.7	60.3	58.7	54.2	50.4	48.6	Floor	44	Main Htg	-4.0	89	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-1.7	89	53.8	71.0
											Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	46	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-4.0			
<b>Total</b>	0.3	3.5															

# Room Checksums

By Trial

## 3- 3W-P-S-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	4,467	0	4,467	64	4,467	94	0	0.00	0	0	0.00	Diffuser	252	177
Glass/Door Cond	-211	0	-211	-3	-211	-4	-1,740	21.59	-1,740	-1,740	21.59	Terminal	252	177
Wall Cond	40	95	134	2	40	1	-21	0.86	-21	-70	0.86	Main Fan	252	177
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-215	0	-215	-3	-93	-2	-817	10.14	-817	-817	10.14	Infil	10	10
Sub Total ==>	4,080	95	4,175	60	4,202	88	-2,578	32.59	-2,578	-2,627	32.59	MinStop/Rh	18	177
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	262	188
Lights	272	0	272	4	272	6	0	0.00	0	0	0.00	Exhaust	10	10
People	279	0	279	4	155	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	128	0	128	2	128	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	679	0	679	10	555	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-8	0	0	8	0	-8	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.84	2.00
Ov/Undr Sizing	1,788	0	1,788	26	0	0	-2,152	26.70	-2,152	-2,152	26.70	cfm/ton	432.88	
Exhaust Heat	0	-3	-3	0	0	0	3	-0.04	0	0	-0.04	ft²/ton	152.43	
Sup. Fan Heat	0	0	343	5	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	78.73	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	6,556	83	6,983	100.00	4,766	100.00	-4,738	100.00	-4,738	-8,060	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)	MBh
Main Clg	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	Floor	89		Main Htg	-8.1	177	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.4	177	53.8	71.0	
<b>Total</b>	<b>0.6</b>	<b>7.0</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	92	73	79	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-8.1</b>			

# Room Checksums

By Trial

### 3- 3W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	33,501	0	33,501	64	33,501	94	0	0.00	0	0	0.00	Diffuser	1,889	1,331
Glass/Door Cond	-1,585	0	-1,585	-3	-1,585	-4	-13,048	21.59	-13,048	-13,048	21.59	Terminal	1,889	1,331
Wall Cond	297	710	1,007	2	297	1	-154	0.86	-154	-521	0.86	Main Fan	1,889	1,331
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	-1,610	0	-1,610	-3	-699	-2	-6,130	10.14	-6,130	-6,130	10.14	Infil	77	77
Sub Total ==>	30,603	710	31,313	60	31,514	88	-19,332	32.59	-19,332	-19,700	32.59	MinStop/Rh	133	1,331
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,966	1,407
Lights	2,043	0	2,043	4	2,043	6	0	0.00	0	0	0.00	Exhaust	77	77
People	2,093	0	2,093	4	1,163	3	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	959	0	959	2	959	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	5,096	0	5,096	10	4,166	12	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	61	-61	0	0	61	0	-62	0.00	-62	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.84	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-16,141	26.70	-16,141	-16,141	26.70	cfm/ton	432.88	
<b>Ov/Undr Sizing</b>	13,413	0	13,413	26	0	0	0	-0.04	0	0	-0.04	ft²/ton	152.43	
<b>Exhaust Heat</b>	0	-25	-25	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	78.73	-90.87
<b>Sup. Fan Heat</b>	0	0	0	0	2,575	5	0	0.00	0	0	0.00	No. People	4.7	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	49,174	624	52,372	100.00	35,741	100.00	-35,535	100.00	-35,535	-60,449	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb											
<b>Main Clg</b>	4.4	52.4	52.4	1,889	72.7	60.3	58.7	54.2	50.4	48.6	<b>Floor</b>	665					<b>Main Htg</b>	-60.5	1,331	54.2	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0					<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0					<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0					<b>Reheat</b>	-25.5	1,331	53.8	71.0
											<b>Roof</b>	0	0	0			<b>Humidif</b>	0.0	0	0.0	0.0
<b>Total</b>	4.4	52.4									<b>Wall</b>	694	548	79			<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	0			<b>Total</b>	-60.5			

# Room Checksums

By Trial

## 3- 3W-P-S-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.3	70.7			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Fn MtrTD	0.1	0.0	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Fn Frict	0.8	0.0						
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00									
Glass Solar	4,467	0	4,467	64	4,467	94	Glass Solar	0									
Glass/Door Cond	-211	0	-211	-3	-211	-4	Glass/Door Cond	-1,740	-1,740	21.59							
Wall Cond	40	95	134	2	40	1	Wall Cond	-21	-70	0.86							
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00							
Floor	0	0	0	0	0	0	Floor	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00							
Infiltration	-215	0	-215	-3	-93	-2	Infiltration	-817	-817	10.14							
<i>Sub Total ==&gt;</i>	4,080	95	4,175	60	4,202	88	<i>Sub Total ==&gt;</i>	-2,578	-2,627	32.59							
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>					
Lights	272	0	272	4	272	6	Lights	0	0	0.00	Cooling	Heating					
People	279	0	279	4	155	3	People	0	0	0.00	Diffuser	252	177				
Misc	128	0	128	2	128	3	Misc	0	0	0.00	Terminal	252	177				
<i>Sub Total ==&gt;</i>	679	0	679	10	555	12	<i>Sub Total ==&gt;</i>	0	0	0.00	Main Fan	252	177				
<b>Ceiling Load</b>	8	-8	0	0	8	0	<b>Ceiling Load</b>	-8	0	0.00	Sec Fan	0	0				
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0	0				
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	AHU Vent	0	0				
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-2,152	-2,152	26.70	Infil	10	10				
<b>Ov/Undr Sizing</b>	1,788	0	1,788	26	0	0	<b>Exhaust Heat</b>	3	-0.04		MinStop/Rh	18	177				
<b>Exhaust Heat</b>	0	-3	-3	0	0	0	<b>OA Preheat Diff.</b>	0	0.00		Return	262	188				
<b>Sup. Fan Heat</b>	0	0	0	0	0	0	<b>RA Preheat Diff.</b>	0	0.00		Exhaust	10	10				
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	-3,263	40.49		Rm Exh	0	0				
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	-21	0.26		Auxiliary	0	0				
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00		Leakage Dwn	0	0				
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00		Leakage Ups	0	0				
<b>Grand Total ==&gt;</b>	6,556	83	6,983	100.00	4,766	100.00	<b>Grand Total ==&gt;</b>	-4,738	-8,060	100.00	<b>ENGINEERING CKS</b>						
												% OA	Cooling	0.0	Heating	0.0	
												cfm/ft²	2.84	2.00			
												cfm/ton	432.88				
												ft²/ton	152.43				
												Btu/hr-ft²	78.73	-90.87			
												No. People	0.6	7.0/1000 ft²			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
<b>Main Clg</b>	0.6	7.0	7.0	252	72.7	60.3	58.7	54.2	50.4	48.6	<b>Floor</b>	89	<b>Main Htg</b>	-8.1	177	54.2	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0	<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0	<b>Preheat</b>	0.0	0	0.0	0.0
<b>Total</b>	0.6	7.0									<b>ExFlr</b>	0	<b>Reheat</b>	-3.4	177	53.8	71.0
											<b>Roof</b>	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	92	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	<b>Total</b>	-8.1			

# Room Checksums

By Trial

## 3- 3W-P-SW-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	3,372	0	3,372	70	3,372	80	Glass Solar	0	Glass Solar	0	0.00	Cooling	Heating	
Glass/Door Cond	64	0	64	1	64	2	Glass/Door Cond	-1,355	Glass/Door Cond	-1,355	15.99	Diffuser	224	187
Wall Cond	148	90	237	5	148	3	Wall Cond	-81	Wall Cond	-130	1.54	Terminal	224	187
Partition/Door	0	0	0	0	0	0	Partition/Door	0	Partition/Door	0	0.00	Main Fan	224	187
Floor	0	0	0	0	0	0	Floor	0	Floor	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	Adjacent Floor	0	0.00	Nom Vent	0	0
Infiltration	53	0	53	1	44	1	Infiltration	-859	Infiltration	-859	10.14	AHU Vent	0	0
Sub Total ==>	3,636	90	3,726	77	3,627	86	Sub Total ==>	-2,295	Sub Total ==>	-2,345	27.67	Infil	11	11
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	19	187
Lights	286	0	286	6	286	7	Lights	0	Lights	0	0.00	Return	234	197
People	293	0	293	6	163	4	People	0	People	0	0.00	Exhaust	11	11
Misc	138	0	138	3	138	3	Misc	0	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	718	0	718	15	588	14	Sub Total ==>	0	Sub Total ==>	0	0.00	Auxiliary	0	0
Ceiling Load	17	-17	0	0	17	0	Ceiling Load	-9	Ceiling Load	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	Ventilation Load	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	Adj Air Trans Heat	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-2,677	Ov/Undr Sizing	-2,677	31.59	Cooling	Heating	
Ov/Undr Sizing	89	0	89	2	0	0	Exhaust Heat	4	Exhaust Heat	4	-0.04	% OA	0.0	0.0
Exhaust Heat	0	-7	-7	0	0	0	OA Preheat Diff.	0	OA Preheat Diff.	0	0.00	cfm/ft²	2.40	2.00
Sup. Fan Heat	0	0	305	6	0	0	RA Preheat Diff.	0	RA Preheat Diff.	0	0.00	cfm/ton	555.57	
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-3,431	Additional Reheat	-3,431	40.49	ft²/ton	231.59	
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-24	System Plenum Heat	-24	0.29	Btu/hr-ft²	51.82	-90.87
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	Underflr Sup Ht Pkup	0	0.00	No. People	0.7	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	Supply Air Leakage	0	0.00			
Grand Total ==>	4,461	66	4,832	100.00	4,232	100.00	Grand Total ==>	-4,981	Grand Total ==>	-8,473	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.4	4.8	4.7	224	73.0	60.4	58.7	54.2	52.9	57.7	Floor	93		Main Htg	-8.5	187	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-3.6	187	53.8	71.0	
<b>Total</b>	<b>0.4</b>	<b>4.8</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	93	57	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-8.5</b>			

# Room Checksums

By Trial

## 3- 3W-P-SW-CR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.6	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	-2,710	15.99	Diffuser	447	373
Wall Cond	295	180	475	5	295	3	-162	1.54	-162	-261	1.54	Terminal	447	373
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	447	373
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	106	0	106	1	88	1	-1,718	10.14	-1,718	-1,718	10.14	AHU Vent	0	0
<b>Sub Total ==&gt;</b>	<b>7,273</b>	<b>180</b>	<b>7,453</b>	<b>77</b>	<b>7,255</b>	<b>86</b>	<b>-4,591</b>	<b>27.67</b>	<b>-4,591</b>	<b>-4,690</b>	<b>27.67</b>	Infil	21	21
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	37	373
Lights	573	0	573	6	573	7	0	0.00	0	0	0.00	Return	469	394
People	587	0	587	6	326	4	0	0.00	0	0	0.00	Exhaust	21	21
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Sub Total ==&gt;</b>	<b>1,437</b>	<b>0</b>	<b>1,437</b>	<b>15</b>	<b>1,176</b>	<b>14</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	-34	0	0	34	0	-18	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-5,354	31.59	-5,354	-5,354	31.59	% OA	0.0	0.0
Ov/Undr Sizing	178	0	178	2	0	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00
Exhaust Heat	0	-14	-14	0	0	0	0	0.00	0	0	0.00	cfm/ton	555.57	
Sup. Fan Heat	0	0	610	6	0	0	0	0.00	0	0	0.00	ft²/ton	231.59	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	51.82	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	1.3	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>8,921</b>	<b>133</b>	<b>9,664</b>	<b>100.00</b>	<b>8,464</b>	<b>100.00</b>	<b>-9,962</b>	<b>100.00</b>	<b>-9,962</b>	<b>-16,947</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7	Floor	187		Main Htg	-17.0	373	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<b>Total</b>	<b>0.8</b>	<b>9.7</b>									ExFlr	0		Reheat	-7.2	373	53.8	71.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	187	114	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-17.0</b>			

# Room Checksums

By Trial

3- 3W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	50,587	0	50,587	70	80	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	3,356	2,798
Glass/Door Cond	957	0	957	1	2	Glass/Door Cond	-20,329	15.99	Glass/Door Cond	-20,329	15.99	Terminal	3,356	2,798
Wall Cond	2,213	1,350	3,562	5	3	Wall Cond	-1,215	1.54	Wall Cond	-1,957	1.54	Main Fan	3,356	2,798
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	794	794	794	1	1	Infiltration	-12,889	10.14	Infiltration	-12,889	10.14	Infil	161	161
Sub Total ==>	54,550	1,350	55,900	77	86	Sub Total ==>	-34,433	27.67	Sub Total ==>	-35,174	27.67	MinStop/Rh	280	2,798
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	3,517	2,958
Lights	4,297	0	4,297	6	7	Lights	0	0.00	Lights	0	0.00	Exhaust	161	161
People	4,402	0	4,402	6	4	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	2,077	0	2,077	3	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	10,775	0	10,775	15	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-251	0	0	0	Ventilation Load	-131	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0.00	Adj Air Trans Heat	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0	0	Ov/Undr Sizing	-40,152	31.59	Ov/Undr Sizing	-40,152	31.59	cfm/ft²	2.40	2.00
Ov/Undr Sizing	1,333		1,333	2	0	Exhaust Heat		-0.04	Exhaust Heat	53	-0.04	cfm/ton	555.60	
Exhaust Heat		-102	-102	0	0	OA Preheat Diff.		0.00	OA Preheat Diff.		0.00	ft²/ton	231.58	
Sup. Fan Heat			4,574	6	6	RA Preheat Diff.		0.00	RA Preheat Diff.		0.00	Btu/hr-ft²	51.82	-90.87
Ret. Fan Heat		0	0	0	0	Additional Reheat		40.49	Additional Reheat	-51,462	40.49	No. People	9.8	7.0/1000 ft²
Duct Heat Pkup		0	0	0	0	System Plenum Heat		0.29	System Plenum Heat	-365	0.29			
Underflr Sup Ht Pkup		0	0	0	0	Underflr Sup Ht Pkup		0.00	Underflr Sup Ht Pkup		0.00			
Supply Air Leakage		0	0	0	0	Supply Air Leakage		0.00	Supply Air Leakage		0.00			
<b>Grand Total ==&gt;</b>	<b>66,910</b>	<b>997</b>	<b>72,480</b>	<b>100.00</b>	<b>63,487</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-74,716</b>	<b>-127,100</b>	<b>100.00</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F
Main Clg	6.0	72.5	70.4	3,356	73.0	60.4	58.7	54.2	52.9	57.7	Floor	1,399		2,798	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0	0.0	0.0
											ExFlr	0		0	0.0	0.0
<b>Total</b>	<b>6.0</b>	<b>72.5</b>									Roof	0	0	0	0.0	0.0
											Wall	1,399	854	61	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											<b>Total</b>			-127.1		

# Room Checksums

By Trial

## 3- 3W-P-SW-PO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 15		Mo/Hr: 9 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 61 / 57		OADB: 76		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	6,744	0	6,744	70	6,744	80	0	0.00	0	0	0.00	Diffuser	447	373
Glass/Door Cond	128	0	128	1	128	2	-2,710	15.99	-2,710	-2,710	15.99	Terminal	447	373
Wall Cond	295	180	475	5	295	3	-162	1.54	-162	-261	1.54	Main Fan	447	373
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	106	0	106	1	88	1	-1,718	10.14	-1,718	-1,718	10.14	Infil	21	21
Sub Total ==>	7,273	180	7,453	77	7,255	86	-4,591	27.67	-4,591	-4,690	27.67	MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	469	394
Lights	573	0	573	6	573	7	0	0.00	0	0	0.00	Exhaust	21	21
People	587	0	587	6	326	4	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	277	0	277	3	277	3	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	1,437	0	1,437	15	1,176	14	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Ceiling Load</b>	34	-34	0	0	34	0	-18	0.00	-18	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.40	2.00
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-5,354	31.59	-5,354	-5,354	31.59	cfm/ton	555.57	
<b>Ov/Undr Sizing</b>	178	0	178	2	0	0	7	-0.04	7	-0.04	-0.04	ft²/ton	231.59	
<b>Exhaust Heat</b>	0	-14	-14	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	51.82	-90.87
<b>Sup. Fan Heat</b>	0	0	610	6	0	0	0	0.00	0	0	0.00	No. People	1.3	7.0/1000 ft²
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	8,921	133	9,664	100.00	8,464	100.00	-9,962	100.00	-9,962	-16,947	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.8	9.7	9.4	447	73.0	60.4	58.7	54.2	52.9	57.7	Floor	187	Main Htg	-17.0	373	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-7.2	373	53.8	71.0
<b>Total</b>	0.8	9.7									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	187	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-17.0			



# Room Checksums

By Trial

4- 4E-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	3,853	3,853
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	3,853	3,853
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	9,546	9,546	32	2,959	19	Infiltration	-17,752	10.14	Infiltration	-17,752	10.14	Infil	222	222
Sub Total ==>	9,546	9,546	32	2,959	19	Sub Total ==>	-17,752	10.14	Sub Total ==>	-17,752	10.14	MinStop/Rh	385	3,853
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	4,075	4,075
Lights	5,918	0	5,918	20	5,918	Lights	0	0.00	Lights	0	0.00	Exhaust	222	222
People	6,063	0	6,063	21	3,368	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	2,860	0	2,860	10	2,860	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	14,841	0	14,841	50	12,146	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	443	-443	0	0	443	<b>Ceiling Load</b>	-181	0.00	<b>Ceiling Load</b>	-181	0.00	% OA	Cooling	Heating
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0.00	<b>Adj Air Trans Heat</b>	0	0.00	cfm/ton	1,569.55	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-84,979	48.54	<b>Ov/Undr Sizing</b>	-84,979	48.54	ft²/ton	784.78	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	73	-0.04	<b>Exhaust Heat</b>	73	-0.04	Btu/hr-ft²	15.29	-90.87
<b>Exhaust Heat</b>	-179	-179	-1	-1	-1	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	13.5	7.0/1000 ft²
<b>Sup. Fan Heat</b>	5,252	5,252	18	18	18	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-70,883	40.49	<b>Additional Reheat</b>	-70,883	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-1,524	0.87	<b>System Plenum Heat</b>	-1,524	0.87			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	24,830	-622	29,460	100.00	15,549	<b>Grand Total ==&gt;</b>	-102,912	100.00	<b>Grand Total ==&gt;</b>	-175,065	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	%	Capacity MBh	Coil Airflow cfm	Ent °F	Lvq °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	2.5	29.5	20.2	3,853	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,927	Main Htg	-175.1	3,853	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-73.9	3,853	53.8	71.0
<b>Total</b>	2.5	29.5									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-175.1			

# Room Checksums

By Trial

## 4- 4E-I-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	95.0
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			Ra Plenum		70.7	Return	72.7	70.7
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	72.7	0.1	0.0	0.0		
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	72.7	0.3	0.0	0.0		
Skylite Cond	0	0	0	0	0	0	0	0.00	72.7	0.8	0.0	0.0		
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14						
Sub Total ==>	6,364	6,364	32	1,972	19	-11,835	-11,835	10.14						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	3,945	0	3,945	20	3,945	0	0	0.00						
People	4,042	0	4,042	21	2,245	0	0	0.00						
Misc	1,907	0	1,907	10	1,907	0	0	0.00						
Sub Total ==>	9,894	0	9,894	50	8,098	0	0	0.00						
Ceiling Load	296	-296	0	0	296	-121	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	-56,652	-56,652	48.54						
Ov/Undr Sizing	0	0	0	0	0	49	49	-0.04						
Exhaust Heat	-119	-119	-1	18	0	0	0	0.00						
Sup. Fan Heat	3,501	3,501	18	0	0	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	-47,255	-47,255	40.49						
Duct Heat Pkup	0	0	0	0	0	-1,016	-1,016	0.87						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
<b>Grand Total ==&gt;</b>	<b>16,553</b>	<b>-415</b>	<b>19,640</b>	<b>100.00</b>	<b>10,366</b>	<b>100.00</b>	<b>-68,608</b>	<b>-116,710</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
Diffuser	2,569	2,569
Terminal	2,569	2,569
Main Fan	2,569	2,569
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	148	148
MinStop/Rh	257	2,569
Return	2,717	2,717
Exhaust	148	148
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,569.55	
ft²/ton	784.78	
Btu/hr-ft²	15.29	-90.87
No. People	9.0	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.6	19.6	13.5	2,569	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>1.6</b>	<b>19.6</b>								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,284		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
Main Htg	-116.7	2,569	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-49.2	2,569	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-116.7</b>			

# Room Checksums

By Trial

4- 4E-I-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	19,266	19,266
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	19,266	19,266
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	19,266	19,266
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	47,729	47,729	32	14,794	19	Infiltration	-88,761	10.14	Infiltration	-88,761	10.14	Infil	1,108	1,108
Sub Total ==>	47,729	47,729	32	14,794	19	Sub Total ==>	-88,761	10.14	Sub Total ==>	-88,761	10.14	MinStop/Rh	1,927	19,266
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	20,374	20,374
Lights	29,590	29,590	20	29,590	38	Lights	0	0.00	Lights	0	0.00	Exhaust	1,108	1,108
People	30,314	30,314	21	16,841	22	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	14,302	14,302	10	14,302	18	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	74,205	74,205	50	60,732	78	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0	Leakage Ups	0	0	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	2,217	-2,217	0	2,217	3	<b>Ceiling Load</b>	-904	0.00	<b>Ceiling Load</b>	-904	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	1,569.55	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-424,894	48.54	<b>Ov/Undr Sizing</b>	-424,894	48.54	ft²/ton	784.78	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	365	-0.04	<b>Exhaust Heat</b>	365	-0.04	Btu/hr-ft²	15.29	-90.87
<b>Exhaust Heat</b>	-895	-895	-1	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	67.4	7.0/1000 ft²
<b>Sup. Fan Heat</b>	26,259	26,259	18	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-354,414	40.49	<b>Additional Reheat</b>	-354,414	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-7,619	0.87	<b>System Plenum Heat</b>	-7,619	0.87			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	124,151	-3,112	147,298	100.00	77,743	<b>Grand Total ==&gt;</b>	-514,559	100.00	<b>Grand Total ==&gt;</b>	-875,323	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	%	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb								
<b>Main Clg</b>	12.3	147.3	100.9	19,266	73.1	60.5	58.7	54.2	53.1	58.7	<b>Floor</b>	9,633		<b>Main Htg</b>	-875.3	19,266	54.2	95.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0		<b>Reheat</b>	-369.3	19,266	53.8	71.0
<b>Total</b>	12.3	147.3									<b>Roof</b>	0	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	0	0	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	-875.3			

# Room Checksums

By Trial

4- 4E-P-NE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	1,724	1,724
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	1,724	1,724
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	1,724	1,724
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	4,270	4,270	32	1,323	19	Infiltration	-7,940	10.14	Infiltration	-7,940	10.14	Infil	99	99
Sub Total ==>	4,270	4,270	32	1,323	19	Sub Total ==>	-7,940	10.14	Sub Total ==>	-7,940	10.14	MinStop/Rh	172	1,724
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,823	1,823
Lights	2,647	0	2,647	20	2,647	Lights	0	0.00	Lights	0	0.00	Exhaust	99	99
People	2,712	0	2,712	21	1,507	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	1,279	0	1,279	10	1,279	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	6,638	0	6,638	50	5,433	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	198	-198	0	0	198	Ceiling Load	-81	0.00	Ceiling Load	-81	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0		Ov/Undr Sizing	-38,010	48.54	Ov/Undr Sizing	-38,010	48.54	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat		33	Exhaust Heat		33	cfm/ton	1,569.55	
Exhaust Heat		-80	-80	-1		OA Preheat Diff.		0	OA Preheat Diff.		0	ft²/ton	784.77	
Sup. Fan Heat			2,349	18		RA Preheat Diff.		0	RA Preheat Diff.		0	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat		0	0	0		Additional Reheat		-31,705	Additional Reheat		-31,705	No. People	6.0	7.0/1000 ft²
Duct Heat Pkup		0	0	0		System Plenum Heat		-682	System Plenum Heat		-682			
Underflr Sup Ht Pkup		0	0	0		Underflr Sup Ht Pkup		0	Underflr Sup Ht Pkup		0			
Supply Air Leakage		0	0	0		Supply Air Leakage		0	Supply Air Leakage		0			
<b>Grand Total ==&gt;</b>	<b>11,106</b>	<b>-278</b>	<b>13,177</b>	<b>100.00</b>	<b>6,955</b>	<b>Grand Total ==&gt;</b>	<b>-46,031</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-78,305</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	1.1	13.2	9.0	1,724	73.1	60.5	58.7	54.2	53.1	58.7	Floor	862	Main Htg	-78.3	1,724	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-33.0	1,724	53.8	71.0
<b>Total</b>	<b>1.1</b>	<b>13.2</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-78.3</b>			

# Room Checksums

By Trial

4- 4E-P-NE-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	345	345
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	345	345
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	345	345
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	854	854	32	265	19	Infiltration	-1,588	10.14	Infiltration	-1,588	10.14	Infil	20	20
Sub Total ==>	854	854	32	265	19	Sub Total ==>	-1,588	10.14	Sub Total ==>	-1,588	10.14	MinStop/Rh	34	345
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	365	365
Lights	529	0	529	20	529	Lights	0	0.00	Lights	0	0.00	Exhaust	20	20
People	542	0	542	21	301	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	256	0	256	10	256	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	1,328	0	1,328	50	1,087	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
Ceiling Load	40	-40	0	0	40	Ceiling Load	-16	0.00	Ceiling Load	-16	0.00	% OA	0.0	0.0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	cfm/ft²	2.00	2.00
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ton	1,569.54	
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-7,602	48.54	Ov/Undr Sizing	-7,602	48.54	ft²/ton	784.77	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	7	-0.04	Exhaust Heat	7	-0.04	Btu/hr-ft²	15.29	-90.87
Exhaust Heat	-16	-16	-1	18	18	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	No. People	1.2	7.0/1000 ft²
Sup. Fan Heat	470	470	18	18	18	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00			
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-6,341	40.49	Additional Reheat	-6,341	40.49			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-136	0.87	System Plenum Heat	-136	0.87			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
<b>Grand Total ==&gt;</b>	<b>2,221</b>	<b>-56</b>	<b>2,635</b>	<b>100.00</b>	<b>1,391</b>	<b>Grand Total ==&gt;</b>	<b>-9,206</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-15,661</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb								
Main Clg	0.2	2.6	1.8	345	73.1	60.5	58.7	54.2	53.1	58.7	Floor	172		Main Htg	-15.7	345	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	<b>0.2</b>	<b>2.6</b>									ExFlr	0		Reheat	-6.6	345	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-15.7</b>			

# Room Checksums

By Trial

## 4- 4E-P-NE-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design					Cooling	Heating					
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1					SADB	55.0	95.0				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Cooling	Heating	
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00				Diffuser	230	230
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Terminal	230	230
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	230	230
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Infiltration	569		569	32	176	19	-1,059	10.14	-1,059	-1,059	10.14				Nom Vent	0	0
Sub Total ==>	569	0	569	32	176	19	-1,059	10.14	-1,059	-1,059	10.14				AHU Vent	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>											Infil	13	13
Lights	353	0	353	20	353	38	0	0.00	0	0	0.00				MinStop/Rh	23	230
People	362	0	362	21	201	22	0	0.00	0	0	0.00	Return	243	243			
Misc	171	0	171	10	171	18	0	0.00	0	0	0.00	Exhaust	13	13			
Sub Total ==>	885	0	885	50	724	78	0	0.00	0	0	0.00	Rm Exh	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Auxiliary	0	0			
Ventilation Load	0	-26	0	0	26	3	-11	0.00	0	0	0.00	Leakage Dwn	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0			
Dehumid. Ov Sizing			0	0			0	0.00	-5,068	-5,068	48.54	<b>ENGINEERING CKS</b>					
Ov/Undr Sizing	0		0	0	0	0	4	-0.04							Cooling	Heating	
Exhaust Heat		-11	-11	-1			0	0.00							% OA	0.0	0.0
Sup. Fan Heat			313	18			0	0.00							cfm/ft²	2.00	2.00
Ret. Fan Heat			0	0			0	0.00							cfm/ton	1,569.54	
Duct Heat Pkup			0	0			-4,227	40.49							ft²/ton	784.77	
Underflr Sup Ht Pkup			0	0			-91	0.87							Btu/hr-ft²	15.29	-90.87
Supply Air Leakage			0	0			0	0.00							No. People	0.8	7.0/1000 ft²
Grand Total ==>	1,481	-37	1,757	100.00	927	100.00	-6,137		-10,441		100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.2	1.8	1.2	230	73.1	60.5	58.7	54.2	53.1	58.7	Floor	115	Main Htg	-10.4	230	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-4.4	230	53.8	71.0
											Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-10.4			
<b>Total</b>	0.2	1.8															

# Room Checksums

By Trial

4- 4E-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Infiltration	2,945		2,945	32	913	19	-5,477	10.14	-5,477					
Sub Total ==>	2,945	0	2,945	32	913	19	-5,477	10.14						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,826	0	1,826	20	1,826	38	0	0.00	0	0	0	0	0	
People	1,871	0	1,871	21	1,039	22	0	0.00	0	0	0	0	0	
Misc	883	0	883	10	883	18	0	0.00	0	0	0	0	0	
Sub Total ==>	4,579	0	4,579	50	3,748	78	0	0.00	0	0	0	0	0	
Ceiling Load	137	-137	0	0	137	3	-56	0.00	0	0	0	0	0	
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dehumid. Ov Sizing			0	0			-26,220	48.54	-26,220					
Ov/Undr Sizing	0		0	0	0	0	23	-0.04						
Exhaust Heat		-55	-55	-1			0	0.00						
Sup. Fan Heat			1,620	18			0	0.00						
Ret. Fan Heat		0	0	0			-21,871	40.49						
Duct Heat Pkup		0	0	0			-470	0.87						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	7,661	-192	9,090	100.00	4,797	100.00	-31,753		-54,016					

AIRFLOWS		
	Cooling	Heating
Diffuser	1,189	1,189
Terminal	1,189	1,189
Main Fan	1,189	1,189
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	68	68
MinStop/Rh	119	1,189
Return	1,257	1,257
Exhaust	68	68
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	2.00	2.00
cfm/ton	1,569.55	
ft²/ton	784.77	
Btu/hr-ft²	15.29	-90.87
No. People	4.2	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.8	9.1	6.2	1,189	73.1	60.5	58.7	54.2	53.1	58.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.8</b>	<b>9.1</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	594		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-54.0	1,189	54.2	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-22.8	1,189	53.8	71.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>-54.0</b>			

# Room Checksums

By Trial

4- 4E-P-NW-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	793	793
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	793	793
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	793	793
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,964	0	1,964	32	609	19	-3,652	10.14	-3,652	-3,652	10.14	Infil	46	46
Sub Total ==>	1,964	0	1,964	32	609	19	-3,652	10.14	-3,652	-3,652	10.14	MinStop/Rh	79	793
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	838	838
Lights	1,217	0	1,217	20	1,217	38	0	0.00	0	0	0.00	Exhaust	46	46
People	1,247	0	1,247	21	693	22	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	588	0	588	10	588	18	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,053	0	3,053	50	2,499	78	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-91	0	0	91	3	-37	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	-17,480	48.54	-17,480	-17,480	48.54	cfm/ton	1,569.55	
Exhaust Heat	0	-37	-37	-1	0	0	0	-0.04	15	0	-0.04	ft²/ton	784.77	
Sup. Fan Heat	0	1,080	1,080	18	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.8	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	5,108	-128	6,060	100.00	3,198	100.00	-21,169	100.00	-36,011	-36,011	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	0.5	6.1	4.2	793	73.1	60.5	58.7	54.2	53.1	58.7	Floor	396		Main Htg	-36.0	793	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
<b>Total</b>	0.5	6.1									ExFlr	0		Reheat	-15.2	793	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-36.0			



# Room Checksums

By Trial

## 4- 4E-P-SE-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling		Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	911	911
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	911	911
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	911	911
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	2,257	2,257	32	700	19	-4,198	-4,198	10.14	-4,198	-4,198	10.14	AHU Vent	0	0
Sub Total ==>	2,257	2,257	32	700	19	Sub Total ==>	Sub Total ==>	Sub Total ==>	Sub Total ==>	Sub Total ==>	Sub Total ==>	Infil	52	52
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	91	911
Lights	1,399	1,399	20	1,399	38	Lights	0	0.00	0	0	0.00	Return	963	963
People	1,434	1,434	21	796	22	People	0	0.00	0	0	0.00	Exhaust	52	52
Misc	676	676	10	676	18	Misc	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	3,509	3,509	50	2,872	78	Sub Total ==>	Sub Total ==>	Sub Total ==>	Sub Total ==>	Sub Total ==>	Sub Total ==>	Auxiliary	0	0
Leakage Dwn	0	0	0	0	0	Leakage Dwn	0	0.00	0	0	0.00	Leakage Ups	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Grand Total ==>	5,871	5,871	100.00	3,676	100.00	Grand Total ==>	Grand Total ==>	Grand Total ==>	Grand Total ==>	Grand Total ==>	Grand Total ==>	% OA	0.0	0.0
												cfm/ft²	2.00	2.00
												cfm/ton	1,569.55	
												ft²/ton	784.77	
												Btu/hr-ft²	15.29	-90.87
												No. People	3.2	7.0/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.6	7.0	4.8	911	73.1	60.5	58.7	54.2	53.1	58.7	Floor	456		Main Htg	-41.4	911	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-17.5	911	53.8	71.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-41.4			
Total	0.6	7.0																

# Room Checksums

By Trial

## 4- 4E-P-SE-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	607	607
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	607	607
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	1,505	1,505	32	466	19	-2,798	-2,798	10.14	-2,798	-2,798	10.14	Infil	35	35
Sub Total ==>	1,505	1,505	32	466	19	Sub Total ==>	-2,798	10.14	Sub Total ==>	-2,798	10.14	MinStop/Rh	61	607
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	642	642
Lights	933	0	933	20	933	38	0	0.00	0	0	0.00	Exhaust	35	35
People	956	0	956	21	531	22	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	451	0	451	10	451	18	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	2,339	0	2,339	50	1,915	78	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	70	-70	0	0	70	3	-29	0.00	-29	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	-13,396	48.54	-13,396	-13,396	48.54	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	12	-0.04	0	0.00	cfm/ton	1,569.55	
Exhaust Heat	-28	-28	-1	-1	-28	18	OA Preheat Diff.	0	0.00	0	0.00	ft²/ton	784.77	
Sup. Fan Heat	828	828	18	18	828	18	RA Preheat Diff.	0	0.00	0	0.00	Btu/hr-ft²	15.29	-90.87
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	-11,174	40.49	-11,174	40.49	No. People	2.1	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-240	0.87	-240	0.87			
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	0	0.00			
<b>Grand Total ==&gt;</b>	<b>3,914</b>	<b>-98</b>	<b>4,644</b>	<b>100.00</b>	<b>2,451</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-16,222</b>	<b>-27,596</b>	<b>100.00</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.4	4.6	3.2	607	73.1	60.5	58.7	54.2	53.1	58.7	Floor	304		Main Htg	-27.6	607	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-11.6	607	53.8	71.0
<b>Total</b>	<b>0.4</b>	<b>4.6</b>									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-27.6</b>			

# Room Checksums

By Trial

4- 4E-P-SE-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fm MtrTD	0.1	0.0			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fm BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fm Frict	0.8	0.0			
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00				Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00				Diffuser	4,556	4,556
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00				Terminal	4,556	4,556
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00				Main Fan	4,556	4,556
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00				Nom Vent	0	0
Infiltration	11,286	11,286	32	3,498	19	Infiltration	-20,988	10.14	Infiltration	-20,988	10.14				AHU Vent	0	0
Sub Total ==>	11,286	11,286	32	3,498	19	Sub Total ==>	-20,988	10.14	Sub Total ==>	-20,988	10.14				Infil	262	262
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>							MinStop/Rh	456	4,556
Lights	6,997	0	6,997	20	6,997	Lights	0	0.00	Lights	0	0.00	Return	4,817	4,817			
People	7,168	0	7,168	21	3,982	People	0	0.00	People	0	0.00	Exhaust	262	262			
Misc	3,382	0	3,382	10	3,382	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0			
Sub Total ==>	17,546	0	17,546	50	14,360	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxiliary	0	0			
Ceiling Load	524	-524	0	0	524	Ceiling Load	-214	0.00	Ceiling Load	-214	0.00	Leakage Dwn	0	0			
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-100,467	48.54	Ov/Undr Sizing	-100,467	48.54				Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	86	-0.04	Exhaust Heat	86	-0.04				% OA	0.0	0.0
Exhaust Heat	-212	-212	-1	-1	-1	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00				cfm/ft²	2.00	2.00
Sup. Fan Heat	6,209	6,209	18	18	18	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00				cfm/ton	1,569.55	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-83,802	40.49	Additional Reheat	-83,802	40.49				ft²/ton	784.78	
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-1,802	0.87	System Plenum Heat	-1,802	0.87				Btu/hr-ft²	15.29	-90.87
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00				No. People	15.9	7.0/1000 ft²
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00						
Grand Total ==>	29,356	-736	34,829	100.00	18,382	Grand Total ==>	-121,669	100.00	Grand Total ==>	-206,973	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	2.9	34.8	23.9	4,556	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,278					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
<b>Total</b>	<b>2.9</b>	<b>34.8</b>									Roof	0	0	0			
											Wall	0	0	0			
											Ext Door	0	0	0			

# Room Checksums

By Trial

4- 4E-P-W-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.7	70.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5,945	5,945
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5,945	5,945
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	5,945	5,945
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Infiltration	14,727	14,727	32	4,565	19	-27,387	-27,387	10.14	-27,387	-27,387	10.14	AHU Vent	0	0
Sub Total ==>	14,727	0	14,727	32	4,565	-27,387	-27,387	10.14	-27,387	-27,387	10.14	Infil	342	342
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	594	5,945
Lights	9,130	0	9,130	20	9,130	0	0	0.00	0	0	0.00	Return	6,286	6,286
People	9,353	0	9,353	21	5,196	0	0	0.00	0	0	0.00	Exhaust	342	342
Misc	4,413	0	4,413	10	4,413	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	22,896	0	22,896	50	18,739	0	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	684	-684	0	0	684	-279	0	0.00	-279	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	-131,100	-131,100	48.54	-131,100	-131,100	48.54	% OA	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	113	-0.04	0	0	0.00	cfm/ft²	2.00	2.00
Exhaust Heat	0	-276	-276	-1	0	0	0	0.00	0	0	0.00	cfm/ton	1,569.55	
Sup. Fan Heat	0	8,102	8,102	18	0	0	0	0.00	0	0	0.00	ft²/ton	784.78	
Ret. Fan Heat	0	0	0	0	0	0	-109,354	40.49	0	0	0.00	Btu/hr-ft²	15.29	-90.87
Duct Heat Pkup	0	0	0	0	0	0	-2,351	0.87	0	0	0.00	No. People	20.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	38,307	-960	45,449	100.00	23,987	-158,766	-270,080	100.00	-158,766	-270,080	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	3.8	45.5	31.1	5,945	73.1	60.5	58.7	54.2	53.1	58.7	Floor	2,972	Main Htg	-270.1	5,945	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-114.0	5,945	53.8	71.0
<b>Total</b>	<b>3.8</b>	<b>45.5</b>									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-270.1</b>			

# Room Checksums

By Trial

4- 4W-I-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	2,301	16	0	0	0	-1,975	2.82	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,543	1,543
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,543	1,543
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,543	1,543
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	3,822	3,822	27	1,185	19	-7,108	-7,108	10.14	0	0	0.00	Infil	89	89
Sub Total ==>	3,822	2,301	43	1,185	19	-7,108	-9,083	12.96	0	0	0.00	MinStop/Rh	154	1,543
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,632	1,632
Lights	2,370	0	17	2,370	38	0	0	0.00	0	0	0.00	Exhaust	89	89
People	2,428	0	17	1,349	22	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,132	0	8	1,132	18	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	5,929	0	42	4,851	78	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Ceiling Load	178	-178	0	178	3	-72	0	0.00	-34,027	-34,027	48.54	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	0	0	0.00	0	29	-0.04	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	1,314.63	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	657.31	
Exhaust Heat	0	-72	-1	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	18.26	-90.87
Sup. Fan Heat	0	2,103	15	0	0	0	0	0.00	0	0	0.00	No. People	5.4	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-28,383	40.49				
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	1,365	-1.95				
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0				
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0				
<b>Grand Total ==&gt;</b>	9,929	2,051	14,084	100.00	6,213	100.00	-41,208	100.00	-70,099	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	1.2	14.1	10.4	1,543	73.1	60.5	58.7	54.2	53.1	58.7	Floor	771		Main Htg	-70.1	1,543	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-29.6	1,543	53.8	71.0
<b>Total</b>	1.2	14.1									Roof	771	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-70.1			

# Room Checksums

By Trial

## 4- 4W-I-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	1,534	1,534	16	0	0	0	2.82	0	-1,317	2.82	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,029	1,029
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,029	1,029
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,029	1,029
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,548	2,548	27	790	19	-4,739	-4,739	10.14	-4,739	-6,055	12.96	Infil	59	59
Sub Total ==>	2,548	1,534	4,082	43	790	19	-4,739	12.96	-4,739	-6,055	12.96	MinStop/Rh	103	1,029
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,088	1,088
Lights	1,580	0	1,580	17	1,580	38	0	0.00	0	0	0.00	Exhaust	59	59
People	1,618	0	1,618	17	899	22	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	755	0	755	8	755	18	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,953	0	3,953	42	3,234	78	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load	118	-118	0	0	118	3	-48	0.00	-48	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing			0	0			-22,685	48.54	-22,685	-22,685	48.54	cfm/ft²	2.00	2.00
Ov/Undr Sizing	0	0	0	0	0	0	19	-0.04	19	-0.04	-0.04	cfm/ton	1,314.63	
Exhaust Heat		-48	-48	-1			0	0.00	0	0	0.00	ft²/ton	657.31	
Sup. Fan Heat			1,402	15			0	0.00	0	0	0.00	Btu/hr-ft²	18.26	-90.87
Ret. Fan Heat		0	0	0			-18,922	40.49	-18,922	40.49	40.49	No. People	3.6	7.0/1000 ft²
Duct Heat Pkup		0	0	0			910	-1.95	910	-1.95	-1.95			
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00			
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,620</b>	<b>1,368</b>	<b>9,389</b>	<b>100.00</b>	<b>4,142</b>	<b>100.00</b>	<b>-27,472</b>	<b>100.00</b>	<b>-27,472</b>	<b>-46,733</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.8	9.4	6.9	1,029	73.1	60.5	58.7	54.2	53.1	58.7	Floor	514	Main Htg	-46.7	1,029	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0	
											ExFlr	0	Reheat	-19.7	1,029	53.8	71.0	
<b>Total</b>	<b>0.8</b>	<b>9.4</b>									Roof	514	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-46.7</b>			



# Room Checksums

By Trial

## 4- 4W-P-N-L

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 84 / 72 / 99			OADB: 84		OADB: -1			OADB: -1			SADB	55.0	95.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ra Plenum	72.7	70.7			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7			
<b>Envelope Loads</b>					<b>Envelope Loads</b>					<b>Envelope Loads</b>					Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0			
Roof Cond	0	386	13	0	0	Roof Cond	-331	2.82	Roof Cond	0	0.00	<b>AIRFLOWS</b>					
Glass Solar	355	355	12	355	22	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	259	259			
Glass/Door Cond	147	147	5	147	9	Glass/Door Cond	-945	8.04	Glass/Door Cond	-945	8.04	Terminal	259	259			
Wall Cond	79	105	4	79	5	Wall Cond	-161	1.82	Wall Cond	-214	1.82	Main Fan	259	259			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0			
Infiltration	641	641	22	199	12	Infiltration	-1,193	10.14	Infiltration	-1,193	10.14	Infil	15	15			
Sub Total ==>	1,222	1,634	55	780	48	Sub Total ==>	-2,299	22.81	Sub Total ==>	-2,683	22.81	MinStop/Rh	26	259			
<b>Internal Loads</b>					<b>Internal Loads</b>					<b>Internal Loads</b>					Return	274	274
Lights	398	398	13	398	24	Lights	0	0.00	Lights	0	0.00	Exhaust	15	15			
People	407	407	14	226	14	People	0	0.00	People	0	0.00	Rm Exh	0	0			
Misc	190	190	6	190	12	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0			
Sub Total ==>	995	995	34	814	50	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0			
<b>Ceiling Load</b>					<b>Ceiling Load</b>					<b>Ceiling Load</b>					Leakage Ups	0	0
Ceiling Load	30	0	0	30	2	Ceiling Load	-12	0.00	Ceiling Load	-12	0.00	<b>ENGINEERING CKS</b>					
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0			
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ft²	2.00	2.00			
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-4,604	39.14	Ov/Undr Sizing	-4,604	39.14	cfm/ton	1,046.23				
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	5	-0.04	Exhaust Heat	5	-0.04	ft²/ton	523.12				
Exhaust Heat	-12	-12	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	22.94	-90.87			
Sup. Fan Heat	0	353	12	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	0.9	7.0/1000 ft²			
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-4,763	40.49	Additional Reheat	-4,763	40.49						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	282	-2.39	System Plenum Heat	282	-2.39						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00						
<b>Grand Total ==&gt;</b>	<b>2,247</b>	<b>2,970</b>	<b>100.00</b>	<b>1,623</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-6,915</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-11,763</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.3	3.0	2.4	259	73.1	60.5	58.7	54.2	53.1	58.7	Floor	129		Main Htg	-11.8	259	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-5.0	259	53.8	71.0
<b>Total</b>	<b>0.3</b>	<b>3.0</b>									Roof	129	0	Humidif	0.0	0	0.0	0.0
											Wall	99	40	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-11.8</b>			



# Room Checksums

By Trial

## 4- 4W-P-N-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: -1		OADB: -1				SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	257	13	0	0	Roof Cond	0	2.82	Roof Cond	-221	2.82	<b>AIRFLOWS</b>		
Glass Solar	236	0	12	236	22	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	98	0	5	98	9	Glass/Door Cond	-630	8.04	Glass/Door Cond	-630	8.04	Terminal	173	173
Wall Cond	53	17	4	53	5	Wall Cond	-107	1.82	Wall Cond	-142	1.82	Main Fan	173	173
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	428	428	22	133	12	Infiltration	-795	10.14	Infiltration	-795	10.14	Infil	10	10
Sub Total ==>	815	274	55	520	48	Sub Total ==>	-1,533	22.81	Sub Total ==>	-1,789	22.81	MinStop/Rh	17	173
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	183	183
Lights	265	0	13	265	24	Lights	0	0.00	Lights	0	0.00	Exhaust	10	10
People	272	0	14	151	14	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	127	0	6	127	12	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	663	0	34	543	50	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	20	-20	0	20	2	<b>Ceiling Load</b>	-8	0.00	<b>Ceiling Load</b>	-8	0.00	% OA	Cooling	Heating
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0.00	<b>Adj Air Trans Heat</b>	0	0.00	cfm/ton	1,046.23	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-3,069	39.14	<b>Ov/Undr Sizing</b>	-3,069	39.14	ft²/ton	523.12	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	3	-0.04	<b>Exhaust Heat</b>	3	-0.04	Btu/hr-ft²	22.94	-90.87
<b>Exhaust Heat</b>	-8	-8	0	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	0.6	7.0/1000 ft²
<b>Sup. Fan Heat</b>	0	235	12	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-3,175	40.49	<b>Additional Reheat</b>	-3,175	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	188	-2.39	<b>System Plenum Heat</b>	188	-2.39			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	1,498	246	100.00	1,980	100.00	<b>Grand Total ==&gt;</b>	-4,610	100.00	<b>Grand Total ==&gt;</b>	-7,842	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.2	2.0	1.6	173	73.1	60.5	58.7	54.2	53.1	58.7	Floor	86		Main Htg	-7.8	173	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-3.3	173	53.8	71.0
<b>Total</b>	0.2	2.0									Roof	86	0	Humidif	0.0	0	0.0	0.0
											Wall	66	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-7.8			

# Room Checksums

By Trial

## 4- 4W-P-NW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	301	6	0	0	Roof Cond	0	2.82	Roof Cond	-316	2.82	<b>AIRFLOWS</b>		
Glass Solar	2,881	0	54	3,089	73	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	247	247
Glass/Door Cond	227	0	4	186	4	Glass/Door Cond	-1,812	16.15	Glass/Door Cond	-1,812	16.15	Terminal	247	247
Wall Cond	227	101	6	240	6	Wall Cond	-174	2.25	Wall Cond	-252	2.25	Main Fan	247	247
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	503	503	9	98	2	Infiltration	-1,138	10.14	Infiltration	-1,138	10.14	Infil	14	14
Sub Total ==>	3,837	402	79	3,612	86	Sub Total ==>	-3,124	31.36	Sub Total ==>	-3,518	31.36	MinStop/Rh	25	247
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	261	261
Lights	253	0	5	253	6	Lights	0	0.00	Lights	0	0.00	Exhaust	14	14
People	187	0	4	135	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	179	0	3	179	4	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	619	0	12	567	13	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	28	-28	0	29	1	Ceiling Load	-12	0.00	Ceiling Load	-12	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing			0			Ov/Undr Sizing	-3,459	30.83	Ov/Undr Sizing	-3,459	30.83	cfm/ft²	2.00	2.00
Ov/Undr Sizing	149		3	0	0	Exhaust Heat	5	-0.04	Exhaust Heat	5	-0.04	cfm/ton	555.63	
Exhaust Heat		-11	0			OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	277.82	
Sup. Fan Heat			6			RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	43.19	-90.87
Ret. Fan Heat			0			Additional Reheat		40.49	Additional Reheat	-4,542	40.49	No. People	0.9	7.0/1000 ft²
Duct Heat Pkup			0			System Plenum Heat		-2.64	System Plenum Heat	296	-2.64			
Underflr Sup Ht Pkup			0			Underflr Sup Ht Pkup		0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage			0			Supply Air Leakage		0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	4,633	363	100.00	4,208	100.00	Grand Total ==>	-6,594	100.00	Grand Total ==>	-11,218	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.4	5.3	4.9	247	73.1	60.5	58.7	54.2	52.9	57.9	Floor	123	Main Htg	-11.2	247	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-4.7	247	53.8	71.0
Total	0.4	5.3									Roof	123	Humidif	0.0	0	0.0	0.0
											Wall	146	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-11.2			

# Room Checksums

By Trial

**4- 4W-P-NW-MS**

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	201	6	0	0	0	-211	2.82	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	1,921	0	54	2,060	73	0	0	0.00	0	0	0.00	Diffuser	165	165
Glass/Door Cond	151	0	4	124	4	-1,209	-1,209	16.16	0	0	0.00	Terminal	165	165
Wall Cond	151	67	6	160	6	-116	-168	2.25	0	0	0.00	Main Fan	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	335	335	9	65	2	-758	-758	10.14	0	0	0.00	Infil	9	9
Sub Total ==>	2,559	268	80	2,409	86	-2,083	-2,346	31.37	0	0	0.00	MinStop/Rh	16	165
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	174	174
Lights	169	0	5	169	6	0	0	0.00	0	0	0.00	Exhaust	9	9
People	125	0	4	90	3	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	119	0	3	119	4	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	413	0	12	378	13	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	-8	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing						0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	100		3	0	0	-2,305	-2,305	30.82	0	0	0.00	cfm/ton	555.46	
Exhaust Heat		-8	0			0	3	-0.04	0	0	0.00	ft²/ton	277.73	
Sup. Fan Heat			6			0	0	0.00	0	0	0.00	Btu/hr-ft²	43.21	-90.87
Ret. Fan Heat		0	0			0	0	0.00	0	0	0.00	No. People	0.6	7.0/1000 ft²
Duct Heat Pkup		0	0			0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup		0	0			0	0	0.00	0	0	0.00			
Supply Air Leakage		0	0			0	0	0.00	0	0	0.00			
Grand Total ==>	3,090	242	100.00	2,807	100.00	-4,396	-7,478	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	0.3	3.6	3.3	165	73.1	60.5	58.7	54.2	52.9	57.9	Floor	82				Main Htg	-7.5	165	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0				Reheat	-3.2	165	53.8	71.0
<b>Total</b>	<b>0.3</b>	<b>3.6</b>									Roof	82	0	0		Humidif	0.0	0	0.0	0.0
											Wall	98	51	52		Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0		<b>Total</b>	<b>-7.5</b>			

# Room Checksums

By Trial

## 4- 4W-P-NW-OO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 18		Mo/Hr: 6 / 18		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 80 / 70 / 94		OADB: 78		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	1,507	6	0	0	0	-1,580	2.82	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	14,402	0	54	15,442	73	0	0	0.00	0	0	0.00	Diffuser	1,235	1,235
Glass/Door Cond	1,133	0	4	927	4	-9,059	-9,059	16.15	0	0	0.00	Terminal	1,235	1,235
Wall Cond	1,134	502	6	1,201	6	-872	-1,259	2.25	0	0	0.00	Main Fan	1,235	1,235
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	0	0
Infiltration	2,513	2,513	9	489	2	-5,688	-5,688	10.14	0	0	0.00	Infil	71	71
Sub Total ==>	19,182	2,009	79	18,059	86	-15,619	-17,586	31.35	0	0	0.00	MinStop/Rh	123	1,235
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,305	1,305
Lights	1,264	0	5	1,264	6	0	0	0.00	0	0	0.00	Exhaust	71	71
People	935	0	4	676	3	0	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	895	0	3	895	4	0	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	3,095	0	12	2,836	13	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	-140	0	143	1	-58	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.00	2.00
Ov/Undr Sizing	746	0	3	0	0	-17,295	-17,295	30.84	0	0	0.00	cfm/ton	555.70	
Exhaust Heat	0	-57	0	0	0	0	23	-0.04	0	0	0.00	ft²/ton	277.85	
Sup. Fan Heat	0	1,683	6	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	43.19	-90.87
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.3	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>23,163</b>	<b>1,812</b>	<b>100.00</b>	<b>21,038</b>	<b>100.00</b>	<b>-32,971</b>	<b>-56,088</b>	<b>100.00</b>						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	2.2	26.7	24.5	1,235	73.1	60.5	58.7	54.2	52.9	57.9	Floor	617		Main Htg	-56.1	1,235	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-23.7	1,235	53.8	71.0
<b>Total</b>	<b>2.2</b>	<b>26.7</b>									Roof	617	0	Humidif	0.0	0	0.0	0.0
											Wall	732	380	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-56.1</b>			

# Room Checksums

By Trial

## 4- 4W-P-S-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	100	1	0	0	Roof Cond	-341	2.82	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	6,685	0	6,685	66	94	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	375	266
Glass/Door Cond	-352	0	-352	-3	-5	Glass/Door Cond	-2,611	21.60	Glass/Door Cond	-2,611	21.60	Terminal	375	266
Wall Cond	56	133	189	2	1	Wall Cond	-31	0.86	Wall Cond	-104	0.86	Main Fan	375	266
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-322	-322	-3	-140	-2	Infiltration	-1,226	10.14	Infiltration	-1,226	10.14	Infil	15	15
Sub Total ==>	6,067	233	6,299	62	88	Sub Total ==>	-3,868	35.42	Sub Total ==>	-4,282	35.42	MinStop/Rh	27	266
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	390	281
Lights	409	0	409	4	6	Lights	0	0.00	Lights	0	0.00	Exhaust	15	15
People	419	0	419	4	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	195	0	195	2	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	1,023	0	1,023	10	12	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	12	-12	0	0	0	<b>Ceiling Load</b>	-12	0.00	<b>Ceiling Load</b>	-12	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.82	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0.00	<b>Adj Air Trans Heat</b>	0	0.00	cfm/ton	445.26	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-3,227	26.69	<b>Ov/Undr Sizing</b>	-3,227	26.69	ft²/ton	157.90	
<b>Ov/Undr Sizing</b>	2,283	-5	2,283	23	0	<b>Exhaust Heat</b>	5	-0.04	<b>Exhaust Heat</b>	5	-0.04	Btu/hr-ft²	76.00	-90.87
<b>Exhaust Heat</b>	0	0	0	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	0.9	7.0/1000 ft²
<b>Sup. Fan Heat</b>	0	0	0	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-4,895	40.49	<b>Additional Reheat</b>	-4,895	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	309	-2.55	<b>System Plenum Heat</b>	309	-2.55			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	9,384	215	10,111	100.00	7,098	<b>Grand Total ==&gt;</b>	-7,107	100.00	<b>Grand Total ==&gt;</b>	-12,090	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	0.8	10.1	10.1	375	72.7	60.3	58.7	54.2	50.7	49.7	Floor	133		Main Htg	-12.1	266	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-5.1	266	53.8	71.0
<b>Total</b>	0.8	10.1									Roof	133	0	Humidif	0.0	0	0.0	0.0
											Wall	139	110	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-12.1			

# Room Checksums

By Trial

## 4- 4W-P-S-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: -1						SADB	55.0	95.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	72.3	70.7			
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	72.3	70.7			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.3	0.0			
Roof Cond	0	66	1	0	0	0	-227	2.82	0	0	0.00	Fn Frict	0.8	0.0			
Glass Solar	4,454	0	4,454	66	94	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>					
Glass/Door Cond	-234	0	-234	-3	-5	-1,740	-1,740	21.59	-1,740	-1,740	21.59				Diffuser	250	177
Wall Cond	37	89	126	2	1	-21	-70	0.86	0	0	0.00				Terminal	250	177
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	250	177
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	0	0
Infiltration	-215	-215	-3	-93	-2	-817	-817	10.14	-817	-817	10.14				AHU Vent	0	0
Sub Total ==>	4,042	155	4,197	62	88	-2,578	-2,854	35.41	-2,578	-2,854	35.41				Infil	10	10
<b>Internal Loads</b>				<b>Internal Loads</b>											MinStop/Rh	18	177
Lights	272	0	272	4	6	0	0	0.00	0	0	0.00				Return	260	188
People	279	0	279	4	3	0	0	0.00	0	0	0.00	Exhaust	10	10			
Misc	130	0	130	2	3	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	682	0	682	10	12	0	0	0.00	0	0	0.00	Auxiliary	0	0			
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0			
Ventilation Load	0	0	0	0	0	-8	0	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>					
Dehumid. Ov Sizing	0	0	0	0	0	-2,152	-2,152	26.70	-2,152	-2,152	26.70				% OA	0.0	0.0
Ov/Undr Sizing	1,522	-3	1,522	23	0	3	0	-0.04	3	0	-0.04				cfm/ft²	2.82	2.00
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				cfm/ton	445.18	
Sup. Fan Heat	0	341	5	0	5	0	0	0.00	0	0	0.00				ft²/ton	157.94	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	75.98	-90.87
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	0.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	6,255	144	6,739	100.00	100.00	-4,738	-8,060	100.00	-4,738	-8,060	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.6	6.7	6.7	250	72.7	60.3	58.7	54.2	50.7	49.7	Floor	89	-8.1	177	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	-3.4	177	53.8	71.0
<b>Total</b>	<b>0.6</b>	<b>6.7</b>									Roof	89	0.0	0	0.0	0.0
											Wall	92	0.0	0	0.0	0.0
											Ext Door	0	0.0	0	0.0	0.0
											<b>Total</b>		<b>-8.1</b>			

# Room Checksums

By Trial

## 4- 4W-P-S-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 10 / 13		Mo/Hr: 10 / 13		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 64 / 52 / 39		OADB: 64		OADB: 64		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.3	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.3	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	498	1	0	0	Roof Cond	0	2.82	Roof Cond	-1,703	2.82	<b>AIRFLOWS</b>		
Glass Solar	33,411	0	66	33,411	94	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	1,875	1,331
Glass/Door Cond	-1,758	0	-3	-1,758	-5	Glass/Door Cond	-13,050	21.59	Glass/Door Cond	-13,050	21.59	Terminal	1,875	1,331
Wall Cond	278	665	2	278	1	Wall Cond	-154	0.86	Wall Cond	-154	0.86	Main Fan	1,875	1,331
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	-1,610	-1,610	-3	-699	-2	Infiltration	-6,130	10.14	Infiltration	-6,130	10.14	Infil	77	77
Sub Total ==>	30,320	1,163	62	31,484	88	Sub Total ==>	-19,333	35.41	Sub Total ==>	-21,404	35.41	MinStop/Rh	133	1,331
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	1,952	1,407
Lights	2,043	0	4	2,043	6	Lights	0	0.00	Lights	0	0.00	Exhaust	77	77
People	2,093	0	4	1,163	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	976	0	2	976	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	5,113	0	10	4,183	12	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-16,139	26.70	Ov/Undr Sizing	-16,139	26.70	cfm/ft²	2.82	2.00
Ov/Undr Sizing	11,418	11,418	23	0	0	Exhaust Heat	25	-0.04	Exhaust Heat	25	-0.04	cfm/ton	445.20	
Exhaust Heat	-25	-25	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	157.94	
Sup. Fan Heat	0	2,556	5	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	75.98	-90.87
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-24,476	40.49	Additional Reheat	-24,476	40.49	No. People	4.7	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	1,544	-2.55	System Plenum Heat	1,544	-2.55			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	46,913	1,077	100.00	50,546	100.00	Grand Total ==>	-35,535	100.00	Grand Total ==>	-60,449	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb									
Main Clg	4.2	50.6	50.5	1,875	72.7	60.3	58.7	54.2	50.7	49.7	Floor	665			Main Htg	-60.5	1,331	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-25.5	1,331	53.8	71.0
<b>Total</b>	<b>4.2</b>	<b>50.6</b>									Roof	665	0	0	Humidif	0.0	0	0.0	0.0
											Wall	694	548	79	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	<b>-60.5</b>			

# Room Checksums

By Trial

## 4- 4W-P-SW-L

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 75 / 61 / 60		OADB: 75		OADB: 75		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	551	4	0	0	Roof Cond	-716	2.82	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	9,709	0	67	9,709	79	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	650	560
Glass/Door Cond	172	0	1	172	1	Glass/Door Cond	-4,065	15.99	Glass/Door Cond	-4,065	15.99	Terminal	650	560
Wall Cond	486	296	5	486	4	Wall Cond	-243	1.54	Wall Cond	-391	1.54	Main Fan	650	560
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	181	181	1	107	1	Infiltration	-2,578	10.14	Infiltration	-2,578	10.14	Infil	32	32
Sub Total ==>	10,549	848	11,397	79	10,475	85	Sub Total ==>	30.49	Sub Total ==>	-6,886	-7,751	MinStop/Rh	56	560
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	682	592
Lights	859	0	6	859	7	Lights	0	0.00	Lights	0	0.00	Exhaust	32	32
People	880	0	6	489	4	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	420	0	3	420	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	2,160	0	15	1,768	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Ups	0	0
Ceiling Load	50	-50	0	50	0	Ceiling Load	-26	0.00	Ceiling Load	-26	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ft²	2.32	2.00
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-8,031	31.59	Ov/Undr Sizing	-8,031	31.59	cfm/ton	540.70	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	11	-0.04	Exhaust Heat	11	-0.04	ft²/ton	232.77	
Exhaust Heat	-20	0	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	51.55	-90.87
Sup. Fan Heat	886	0	6	886	6	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	2.0	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-10,292	40.49	Additional Reheat	-10,292	40.49			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	643	-2.53	System Plenum Heat	643	-2.53			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	12,759	777	14,422	100.00	12,294	100.00	Grand Total ==>	100.00	Grand Total ==>	-14,943	-25,420			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.2	14.4	14.0	650	73.0	60.4	58.7	54.2	52.6	56.8	Floor	280		Main Htg	-25.4	560	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-10.7	560	53.8	71.0
<b>Total</b>	<b>1.2</b>	<b>14.4</b>									Roof	280	0	Humidif	0.0	0	0.0	0.0
											Wall	280	171	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>-25.4</b>			



# Room Checksums

By Trial

## 4- 4W-P-SW-MS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 75 / 61 / 60		OADB: 75		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	367	4	0	0	Roof Cond	-477	2.82	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	6,473	0	67	6,473	79	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	433	373
Glass/Door Cond	115	0	1	115	1	Glass/Door Cond	-2,710	15.99	Glass/Door Cond	-2,710	15.99	Terminal	433	373
Wall Cond	324	198	5	324	4	Wall Cond	-162	1.54	Wall Cond	-261	1.54	Main Fan	433	373
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	121	121	1	72	1	Infiltration	-1,718	10.14	Infiltration	-1,718	10.14	Infil	21	21
Sub Total ==>	7,033	565	79	6,983	85	Sub Total ==>	-4,591	30.49	Sub Total ==>	-5,167	30.49	MinStop/Rh	37	373
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	455	394
Lights	573	0	6	573	7	Lights	0	0.00	Lights	0	0.00	Exhaust	21	21
People	587	0	6	326	4	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	280	0	3	280	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	1,440	0	15	1,179	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Sub Total ==>	1,440	0	15	1,179	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Ups	0	0
Ceiling Load	33	-33	0	33	0	Ceiling Load	-18	0.00	Ceiling Load	-18	0.00	<b>ENGINEERING CKS</b>		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	% OA	0.0	0.0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	cfm/ft²	2.32	2.00
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-5,354	31.59	Ov/Undr Sizing	-5,354	31.59	cfm/ton	540.70	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	7	-0.04	Exhaust Heat	7	-0.04	ft²/ton	232.77	
Exhaust Heat	-13	-13	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Btu/hr-ft²	51.55	-90.87
Sup. Fan Heat	590	590	6	590	6	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	No. People	1.3	7.0/1000 ft²
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	-6,862	40.49	Additional Reheat	-6,862	40.49			
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	429	-2.53	System Plenum Heat	429	-2.53			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	8,506	518	100.00	8,196	100.00	Grand Total ==>	-9,962	100.00	Grand Total ==>	-16,947	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.8	9.6	9.3	433	73.0	60.4	58.7	54.2	52.6	56.8	Floor	187	Main Htg	-17.0	373	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-7.2	373	53.8	71.0
<b>Total</b>	<b>0.8</b>	<b>9.6</b>									Roof	187	Humidif	0.0	0	0.0	0.0
											Wall	187	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	<b>-17.0</b>			

# Room Checksums

By Trial

4- 4W-P-SW-00

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 75 / 61 / 60		OADB: 75		OADB: -1						SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.6	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.6	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	2,756	4	0	0	Roof Cond	-3,581	2.82	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	48,552	0	67	48,552	79	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	3,249	2,798
Glass/Door Cond	862	0	1	862	1	Glass/Door Cond	-20,329	15.99	Glass/Door Cond	-20,329	15.99	Terminal	3,249	2,798
Wall Cond	2,429	1,482	5	2,429	4	Wall Cond	-1,215	1.54	Wall Cond	-1,957	1.54	Main Fan	3,249	2,798
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	907	907	1	537	1	Infiltration	-12,889	10.14	Infiltration	-12,889	10.14	Infil	161	161
Sub Total ==>	52,751	4,238	79	52,381	85	Sub Total ==>	-34,433	30.49	Sub Total ==>	-38,755	30.49	MinStop/Rh	280	2,798
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	3,410	2,958
Lights	4,297	0	6	4,297	7	Lights	0	0.00	Lights	0	0.00	Exhaust	161	161
People	4,402	0	6	2,445	4	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	2,101	0	3	2,101	3	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	10,799	0	15	8,842	14	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	251	-251	0	251	0	<b>Ceiling Load</b>	-131	0.00	<b>Ceiling Load</b>	-131	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.32	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	540.71	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-40,152	31.59	<b>Ov/Undr Sizing</b>	-40,152	31.59	ft²/ton	232.75	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	53	-0.04	<b>Exhaust Heat</b>	53	-0.04	Btu/hr-ft²	51.56	-90.87
<b>Exhaust Heat</b>	-101	-101	0	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	9.8	7.0/1000 ft²
<b>Sup. Fan Heat</b>	4,429	4,429	6	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-51,462	40.49	<b>Additional Reheat</b>	-51,462	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	3,216	-2.53	<b>System Plenum Heat</b>	3,216	-2.53			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	63,800	3,887	72,115	100.00	61,474	<b>Grand Total ==&gt;</b>	-74,716	100.00	<b>Grand Total ==&gt;</b>	-127,100	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg					
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm	°F
Main Clg	6.0	72.1	69.8	3,249	73.0	60.4	58.7	54.2	52.6	56.8	Floor	1,399		Main Htg	-127.1	2,798	54.2	95.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-53.6	2,798	53.8	71.0	
<b>Total</b>	6.0	72.1									Roof	1,399	0	Humidif	0.0	0	0.0	0.0	
											Wall	1,399	854	61	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	<b>Total</b>	-127.1			

# Room Checksums

By Trial

IE-I-CN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 84 / 72 / 99		OADB: 84		OADB: 84		OADB: -1		OADB: -1		SADB	55.0	95.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	72.7	70.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	72.7	70.7
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.3	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.8	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Roof Cond	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	Cooling	Heating
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	2,569	2,569
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	2,569	2,569
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	6,364	6,364	32	1,972	19	Infiltration	-11,835	10.14	Infiltration	-11,835	10.14	Infil	148	148
Sub Total ==>	6,364	6,364	32	1,972	19	Sub Total ==>	-11,835	10.14	Sub Total ==>	-11,835	10.14	MinStop/Rh	257	2,569
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				Return	2,717	2,717
Lights	3,945	0	3,945	20	3,945	Lights	0	0.00	Lights	0	0.00	Exhaust	148	148
People	4,042	0	4,042	21	2,245	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	1,907	0	1,907	10	1,907	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	9,894	0	9,894	50	8,098	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	Leakage Ups	0	0.00	Leakage Ups	0	0.00	<b>ENGINEERING CKS</b>		
<b>Ceiling Load</b>	296	-296	0	0	296	<b>Ceiling Load</b>	-121	0.00	<b>Ceiling Load</b>	-121	0.00	% OA	0.0	0.0
<b>Ventilation Load</b>	0	0	0	0	0	<b>Ventilation Load</b>	0	0.00	<b>Ventilation Load</b>	0	0.00	cfm/ft²	2.00	2.00
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	<b>Adj Air Trans Heat</b>	0	0	cfm/ton	1,569.55	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-56,652	48.54	<b>Ov/Undr Sizing</b>	-56,652	48.54	ft²/ton	784.78	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	49	-0.04	<b>Exhaust Heat</b>	49	-0.04	Btu/hr-ft²	15.29	-90.87
<b>Exhaust Heat</b>	-119	-119	-1	0	0	<b>OA Preheat Diff.</b>	0	0.00	<b>OA Preheat Diff.</b>	0	0.00	No. People	9.0	7.0/1000 ft²
<b>Sup. Fan Heat</b>	3,501	3,501	18	0	0	<b>RA Preheat Diff.</b>	0	0.00	<b>RA Preheat Diff.</b>	0	0.00			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	-47,255	40.49	<b>Additional Reheat</b>	-47,255	40.49			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	-1,016	0.87	<b>System Plenum Heat</b>	-1,016	0.87			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	<b>Underflr Sup Ht Pkup</b>	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	<b>Supply Air Leakage</b>	0	0.00			
<b>Grand Total ==&gt;</b>	16,553	-415	19,640	100.00	10,366	<b>Grand Total ==&gt;</b>	-68,608	100.00	<b>Grand Total ==&gt;</b>	-116,710	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvq °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	1.6	19.6	13.5	2,569	73.1	60.5	58.7	54.2	53.1	58.7	Floor	1,284	Main Htg	-116.7	2,569	54.2	95.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Reheat	-49.2	2,569	53.8	71.0
<b>Total</b>	1.6	19.6									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	-116.7			

# MONTHLY ENERGY CONSUMPTION

By Trial

----- Monthly Energy Consumption -----

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
<b>Alternative: 1                      ASHRAE Baseline 90107 Climate Zone 6A</b>													
<b>Electric</b>													
On-Pk Cons. (kWh)	59,422	53,561	64,735	58,129	68,692	75,348	76,907	80,844	64,886	65,180	60,416	56,394	784,513
On-Pk Demand (kW)	313	305	297	289	345	390	424	390	354	315	295	312	424
<b>Gas</b>													
On-Pk Cons. (therms)	4,604	4,360	3,418	1,589	674	145	7	251	599	1,376	2,464	3,859	23,345
On-Pk Demand (therms/hr)	59	61	56	50	33	12	1	17	33	39	56	59	61
<b>Water</b>													
Cons. (1000gal)	20	17	18	12	1	1	1	1	1	9	17	19	119

Energy Consumption

Building            40,554 Btu/(ft2-year)  
 Source             84,883 Btu/(ft2-year)

Floor Area        123,591 ft2

Environmental Impact Analysis

CO2                414,176 lbm/year  
 SO2                1,461 gm/year  
 NOX                890 gm/year

# MONTHLY ENERGY CONSUMPTION

By Trial

----- Monthly Energy Consumption -----

Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
<b>Alternative: 2 Proposed Building</b>													
<b>Electric</b>													
On-Pk Cons. (kWh)	47,374	42,651	56,039	52,540	59,613	64,602	63,150	67,727	55,577	58,356	53,228	45,200	666,058
On-Pk Demand (kW)	238	238	260	256	288	322	342	319	294	259	261	238	342
<b>Gas</b>													
On-Pk Cons. (therms)	4,201	3,988	3,203	1,567	666	132	5	237	585	1,333	2,306	3,511	21,733
On-Pk Demand (therms/hr)	58	59	57	52	37	12	1	18	36	42	56	58	59

### Energy Consumption

Building 35,978 Btu/(ft2-year)  
 Source 73,696 Btu/(ft2-year)

Floor Area 123,591 ft2

### Environmental Impact Analysis

CO2 351,639 lbm/year  
 SO2 1,241 gm/year  
 NOX 756 gm/year

# ELECTRICAL PEAK CHECKSUMS

By Trial

## Alternative 1

## ASHRAE Baseline 90107 Clima

Yearly Time of Peak: 17(Hr) 7(Month)

Equipment Description	Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment		
Air-cooled chiller - 001	254.32	59.94
Sub total	254.32	59.94
Miscellaneous		
Misc Equipment	58.71	13.84
Base Utilities	0.00	0.00
Lights	111.23	26.22
Sub total	169.94	40.06
Total	424.26	100

## Alternative 2

## Proposed Building

Yearly Time of Peak: 17(Hr) 7(Month)

Equipment Description	Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment		
Air-cooled chiller - 001	172.12	50.32
Sub total	172.12	50.32
Miscellaneous		
Misc Equipment	58.71	17.16
Base Utilities	0.00	0.00
Lights	111.23	32.52
Sub total	169.94	49.68
Total	342.06	100

# EQUIPMENT ENERGY CONSUMPTION

By Trial

Alternative: 1 ASHRAE Baseline 90107 Climate Zone 6A

Equipment - Utility	----- Monthly Consumption -----												Total
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>Lights</b>													
Electric (kWh)	23,826.0	21,556.8	26,095.1	22,691.4	24,960.5	24,960.5	22,691.4	26,095.1	22,691.4	24,960.5	23,826.0	22,691.4	287,046.0
Peak (kW)	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2
<b>Misc. Ld</b>													
Electric (kWh)	16,833.2	15,226.5	18,217.4	16,066.9	17,525.3	17,451.1	16,141.1	18,217.4	16,066.9	17,525.3	16,759.0	16,141.1	202,171.0
Peak (kW)	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<b>Cooling Coil Condensate</b>													
Recoverable Water (1000gal)	0.1	0.0	0.0	0.1	0.1	3.5	9.0	6.0	2.2	0.2	0.1	0.0	21.2
Peak (1000gal/Hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
<b>Cpl 1: 4- Cooling plant - 003 [Sum of dsn coil capacities=463.5 tons]</b>													
<b>Air-cooled chiller - 001 [Clg Nominal Capacity/F.L.Rate=300 tons / 376.5 kW] (Cooling Equipment)</b>													
Electric (kWh)	13,616.4	12,117.0	15,014.1	14,788.8	20,703.7	26,730.0	31,083.6	29,353.8	20,748.2	17,560.7	14,916.9	12,721.4	229,354.5
Peak (kW)	120.3	112.8	105.8	99.4	148.4	188.9	221.5	192.5	160.3	126.2	103.7	118.9	221.5
<b>90.1 Min Air Cooled Condenser [Design Heat Rejection/F.L.Rate=407.1 tons / 22.51 kW]</b>													
Electric (kWh)	105.8	87.8	126.0	197.5	983.7	1,664.4	1,983.8	1,826.1	996.3	428.1	157.9	94.7	8,652.1
Peak (kW)	0.9	0.9	1.2	3.1	10.0	12.4	14.4	12.7	10.8	6.3	2.3	0.9	14.4
<b>90.1 Min CV Chilled Water pump [F.L.Rate=13.20 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	3,049.2	2,758.8	3,339.6	2,904.0	3,194.4	3,247.2	3,590.4	3,814.8	3,102.0	3,194.4	3,049.2	2,904.0	38,148.0
Peak (kW)	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
<b>Cnst vol chill water pump [F.L.Rate=5.07 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	1,170.5	1,059.0	1,282.0	1,114.7	1,226.2	1,246.5	1,378.2	1,464.4	1,190.8	1,226.2	1,170.5	1,114.7	14,643.6
Peak (kW)	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
<b>Cntl panel &amp; interlocks - 0.1 KW [F.L.Rate=0.10 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	23.1	20.9	25.3	22.0	24.2	24.6	27.2	28.9	23.5	24.2	23.1	22.0	289.0
Peak (kW)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Hpl 1: 4- Heating plant - 002 [Sum of dsn coil capacities=11,161 mbh]</b>													
<b>Boiler - 001 [Nominal Capacity/F.L.Rate=6,000 mbh / 75 Therms] (Heating Equipment)</b>													
Gas (therms)	4,604.1	4,360.1	3,418.1	1,588.9	673.6	144.6	7.1	250.7	598.6	1,376.5	2,464.3	3,858.8	23,345.2
Peak (therms/Hr)	59.2	61.1	56.4	49.8	33.0	11.7	1.4	17.3	32.8	39.4	56.1	59.1	61.1

# EQUIPMENT ENERGY CONSUMPTION

By Trial

Alternative: 1 ASHRAE Baseline 90107 Climate Zone 6A

Equipment - Utility	----- Monthly Consumption -----												Total
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>Hpl 1: 4- Heating plant - 002 [Sum of dsn coil capacities=11,161 mbh]</b>													
<b>Var vol cnd water pump [F.L.Rate=13.56 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	478.5	455.5	344.2	145.0	52.2	12.7	0.9	20.5	46.6	114.3	239.1	392.7	2,302.2
Peak (kW)	7.8	8.4	7.0	5.4	2.7	0.9	0.1	1.3	2.6	3.5	7.0	7.8	8.4
<b>Make-up water - 5.18e-006 gal/btu (Misc Accessory Equipment)</b>													
Make Up Water (1000gal)	19.9	17.3	18.1	12.3	1.4	0.7	0.6	1.4	1.2	9.1	17.0	19.4	118.5
Peak (1000gal/Hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Cntl panel &amp; interlocks - 0.5 KW [F.L.Rate=0.50 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	319.5	279.0	291.5	198.5	22.0	11.0	10.0	23.0	20.0	146.5	274.0	312.0	1,907.0
Peak (kW)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



# EQUIPMENT ENERGY CONSUMPTION

By Trial

Alternative: 2 Proposed Building

----- Monthly Consumption -----

Equipment - Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
<b>Lights</b>													
Electric (kWh)	23,826.0	21,556.8	26,095.1	22,691.4	24,960.5	24,960.5	22,691.4	26,095.1	22,691.4	24,960.5	23,826.0	22,691.4	287,046.0
Peak (kW)	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2	111.2
<b>Misc. Ld</b>													
Electric (kWh)	16,833.2	15,226.5	18,217.4	16,066.9	17,525.3	17,451.1	16,141.1	18,217.4	16,066.9	17,525.3	16,759.0	16,141.1	202,171.0
Peak (kW)	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<b>Cooling Coil Condensate</b>													
Recoverable Water (1000gal)	0.1	0.0	0.0	0.1	0.2	3.5	9.0	6.0	2.3	0.2	0.1	0.0	21.4
Peak (1000gal/Hr)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
<b>Cpl 1: 4- Cooling plant - 003 [Sum of dsn coil capacities=471.9 tons]</b>													
<b>Air-cooled chiller - 001 [Clg Nominal Capacity/F.L.Rate=300 tons / 211.8 kW] (Cooling Equipment)</b>													
Electric (kWh)	0.0	0.0	5,737.1	9,121.7	14,228.8	18,191.8	19,717.6	19,006.9	13,751.0	11,810.9	7,032.4	0.0	118,598.2
Peak (kW)	55.5	55.0	67.9	65.3	98.6	123.9	138.2	122.9	103.7	76.5	68.3	54.5	138.2
<b>Air-cooled cond fans cooling mode [Design Heat Rejection/F.L.Rate=360.2 tons / 33.29 kW]</b>													
Electric (kWh)	0.0	0.0	454.4	742.9	1,748.9	2,570.9	3,014.4	2,813.3	1,752.8	1,021.6	557.0	0.0	14,676.3
Peak (kW)	4.6	4.6	6.7	6.2	15.0	18.8	21.6	19.1	16.1	10.8	6.7	4.5	21.6
<b>Default Free Cool Dry Cooler [Design Heat Rejection/F.L.Rate=300 tons / 28.20 kW]</b>													
Electric (kWh)	1,548.3	1,175.0	653.6	120.0	0.0	0.0	0.0	0.0	0.0	0.0	529.7	1,297.5	5,324.0
Peak (kW)	13.5	12.3	11.6	8.1	0.0	0.0	0.0	0.0	0.0	0.0	12.9	14.4	14.4
<b>90.1-13 Min Var Vol Chilled Water Pump [F.L.Rate=15.84 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	359.4	323.4	389.2	378.5	598.7	911.0	1,176.5	1,032.8	672.5	471.8	390.4	335.3	7,039.5
Peak (kW)	6.3	5.8	5.3	4.7	5.7	8.3	10.9	8.6	6.4	4.6	5.2	6.2	10.9
<b>Var vol chill water pump [F.L.Rate=5.07 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	0.0	0.0	59.7	94.9	132.4	171.0	212.6	191.4	134.6	118.9	71.2	0.0	1,186.7
Peak (kW)	0.6	0.6	0.9	0.8	1.0	1.4	1.9	1.5	1.1	0.8	0.9	0.6	1.9
<b>Var vol chill water pump [F.L.Rate=3.38 kW] (Misc Accessory Equipment)</b>													
Electric (kWh)	65.2	58.5	31.3	4.2	0.0	0.0	0.0	0.0	0.0	0.0	22.4	61.1	242.7
Peak (kW)	0.7	0.7	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.7

# EQUIPMENT ENERGY CONSUMPTION

By Trial

Alternative: 2 Proposed Building

----- Monthly Consumption -----

Equipment - Utility	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
<u>Cpl 1: 4- Cooling plant - 003 [Sum of dsn coil capacities=471.9 tons]</u>													
Cntl panel & interlocks - 0.3 KW [F.L.Rate=0.30 kW] (Misc Accessory Equipment)													
Electric (kWh)	69.3	62.7	75.9	66.0	72.6	72.6	66.0	75.9	66.0	72.6	69.3	66.0	834.9
Peak (kW)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
<u>Hpl 1: 4- Heating plant - 002 [Sum of dsn coil capacities=11,230 mbh]</u>													
Boiler - 001 [Nominal Capacity/F.L.Rate=6,000 mbh / 66.67 Therms] (Heating Equipment)													
Gas (therms)	4,200.9	3,988.5	3,202.7	1,567.2	666.1	132.2	4.6	236.6	584.7	1,332.9	2,306.1	3,511.2	21,733.5
Peak (therms/Hr)	58.5	59.2	56.7	51.9	37.4	12.2	1.1	18.1	36.5	42.2	56.0	58.3	59.2
Var vol cnd water pump [F.L.Rate=13.56 kW] (Misc Accessory Equipment)													
Electric (kWh)	518.9	498.1	386.4	179.2	59.9	12.9	0.7	21.3	52.1	132.4	272.3	421.7	2,555.8
Peak (kW)	9.9	10.2	9.2	7.6	3.9	1.1	0.1	1.5	3.7	4.9	9.0	9.9	10.2
Boiler forced draft fan [F.L.Rate=6 kW] (Misc Accessory Equipment)													
Electric (kWh)	3,834.0	3,462.0	3,636.0	2,838.0	264.0	240.0	120.0	252.0	360.0	2,070.0	3,414.0	3,864.0	24,354.0
Peak (kW)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Cntl panel & interlocks - 0.5 KW [F.L.Rate=0.50 kW] (Misc Accessory Equipment)													
Electric (kWh)	319.5	288.5	303.0	236.5	22.0	20.0	10.0	21.0	30.0	172.5	284.5	322.0	2,029.5
Peak (kW)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<u>Sys 1: AHUs vav w/ rh</u>													

# ENERGY CONSUMPTION SUMMARY

By Trial

	Elect Cons. (kWh)	Gas Cons. (kBtu)	Water Cons. (1000 gals)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
<b>Alternative 1</b>						
<b>Primary heating</b>						
Primary heating		2,334,523		46.6 %	2,334,523	2,457,393
Other Htg Accessories	1,907		119	0.1 %	6,509	19,528
<b>Heating Subtotal</b>	<b>1,907</b>	<b>2,334,523</b>	<b>119</b>	<b>46.7 %</b>	<b>2,341,031</b>	<b>2,476,920</b>
<b>Primary cooling</b>						
Cooling Compressor	229,355			15.6 %	782,787	2,348,596
Tower/Cond Fans	8,652			0.6 %	29,530	88,598
Condenser Pump	14,644			1.0 %	49,979	149,951
Other Clg Accessories	289			0.0 %	986	2,959
<b>Cooling Subtotal....</b>	<b>252,939</b>			<b>17.2 %</b>	<b>863,282</b>	<b>2,590,104</b>
<b>Auxiliary</b>						
Supply Fans				0.0 %	0	0
Pumps	40,450			2.8 %	138,057	414,211
Stand-alone Base Utilities				0.0 %	0	0
Aux Subtotal....	40,450			2.8 %	138,057	414,211
<b>Lighting</b>						
Lighting	287,046			19.6 %	979,688	2,939,358
<b>Receptacle</b>						
Receptacles	202,171			13.8 %	690,010	2,070,236
<b>Cogeneration</b>						
Cogeneration				0.0 %	0	0
<b>Totals</b>						
<b>Totals**</b>	<b>784,514</b>	<b>2,334,523</b>	<b>119</b>	<b>100.0 %</b>	<b>5,012,067</b>	<b>10,490,829</b>

\* Note: Resource Utilization factors are included in the Total Source Energy value.

\*\* Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

# ENERGY CONSUMPTION SUMMARY

By Trial

	Elect Cons. (kWh)	Gas Cons. (kBtu)	% of Total Building Energy	Total Building Energy (kBtu/yr)	Total Source Energy* (kBtu/yr)
<b>Alternative 2</b>					
<b>Primary heating</b>					
Primary heating		2,173,349	48.9 %	2,173,349	2,287,736
Other Htg Accessories	26,384		2.0 %	90,047	270,168
<b>Heating Subtotal</b>	<b>26,384</b>	<b>2,173,349</b>	<b>50.9 %</b>	<b>2,263,396</b>	<b>2,557,904</b>
<b>Primary cooling</b>					
Cooling Compressor	118,598		9.1 %	404,776	1,214,448
Tower/Cond Fans	20,000		1.5 %	68,261	204,803
Condenser Pump	1,187		0.1 %	4,050	12,152
Other Clg Accessories	835		0.1 %	2,850	8,549
<b>Cooling Subtotal....</b>	<b>140,620</b>		<b>10.8 %</b>	<b>479,936</b>	<b>1,439,953</b>
<b>Auxiliary</b>					
Supply Fans			0.0 %	0	0
Pumps	9,838		0.8 %	33,577	100,742
Stand-alone Base Utilities			0.0 %	0	0
<b>Aux Subtotal....</b>	<b>9,838</b>		<b>0.8 %</b>	<b>33,577</b>	<b>100,742</b>
<b>Lighting</b>					
Lighting	287,046		22.0 %	979,688	2,939,358
<b>Receptacle</b>					
Receptacles	202,171		15.5 %	690,010	2,070,236
<b>Cogeneration</b>					
Cogeneration			0.0 %	0	0
<b>Totals</b>					
<b>Totals**</b>	<b>666,059</b>	<b>2,173,349</b>	<b>100.0 %</b>	<b>4,446,607</b>	<b>9,108,192</b>

\* Note: Resource Utilization factors are included in the Total Source Energy value .

\*\* Note: This report can display a maximum of 7 utilities. If additional utilities are used, they will be included in the total.

# Economic Summary

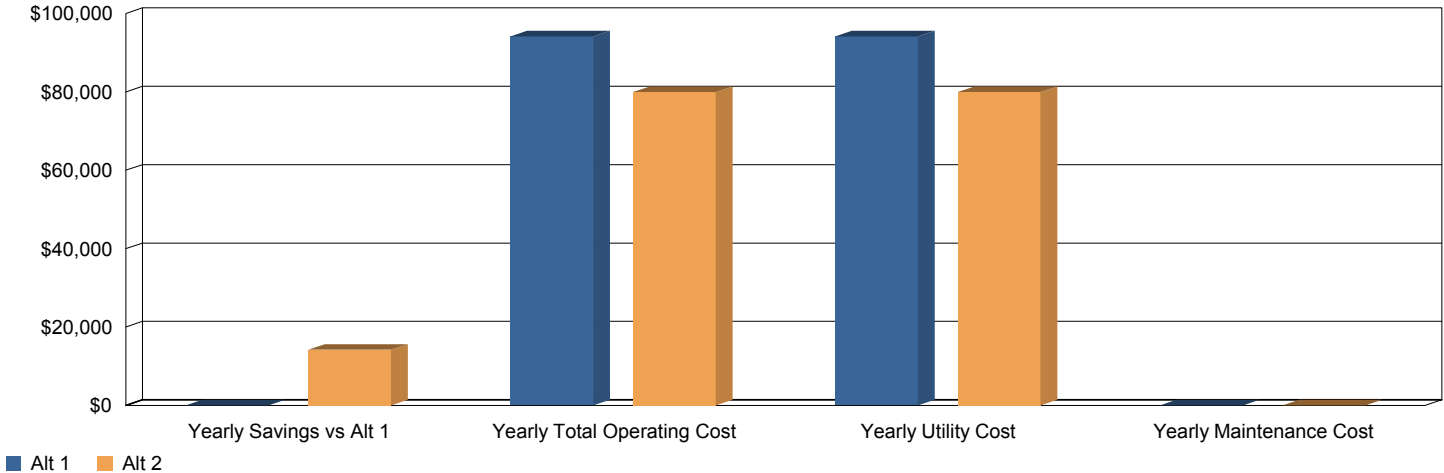
## Project Information

Location	Portland Maine	Study Life:	20 years
Project Name	WEX Building	Cost of Capital:	10 %
User		Alternative 1:	ASHRAE Baseline 90107 Climate Zone 6A
Company	Johnson and Jordan	Alternative 2:	Proposed Building
Comments			

## Economic Comparison of Alternatives

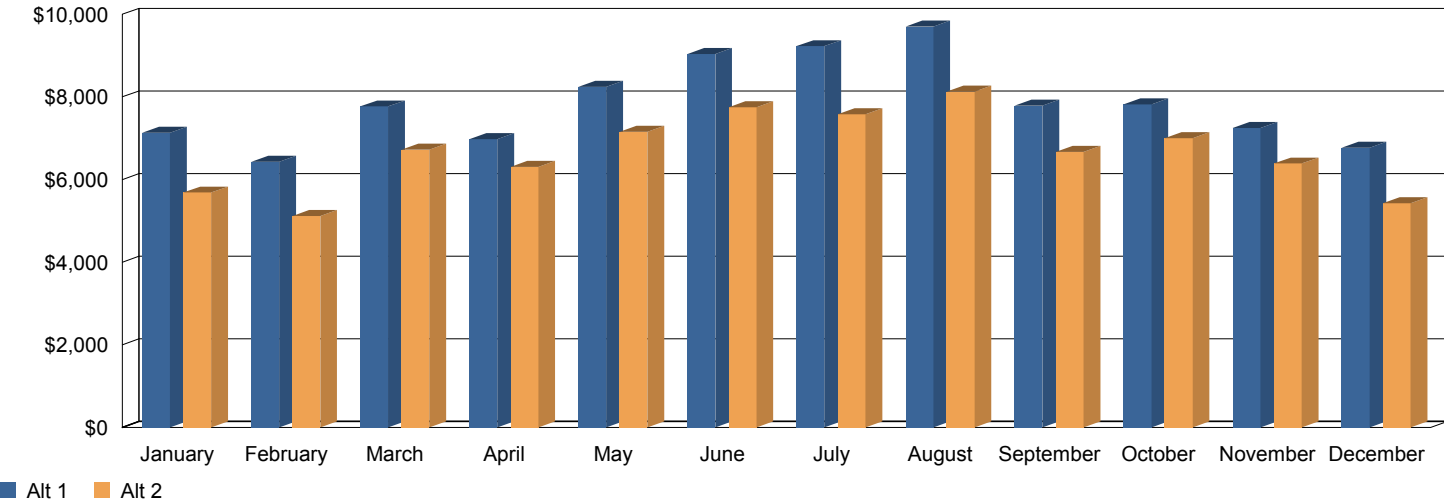
	Yearly Savings (\$)	First Cost Difference (\$)	Cumulative Cash Flow Difference (\$)	Simple Payback (yrs.)	Net Present Value (\$)	Life Cycle Payback (yrs.)	Internal Rate of Return (%)	Life Cycle Cost Difference
Alt 1 vs Alt 2	-14,215	0	-345,377	No Payback	-138,436	No Payback	Does Not Payback	-138,436.40

## Annual Operating Costs



	Yearly Savings vs Alt 1	Yearly Total Operating Cost (\$)	Yearly Utility Cost (\$)	Yearly Maintenance Cost (\$)	Plant kWh/ton-hr
Alt 1	0	94,142	94,142	0	1.315
Alt 2	14,215	79,927	79,927	0	0.685

## Monthly Utility Costs



# MONTHLY UTILITY COSTS

By Trial

Utility	----- Monthly Utility Costs -----												Total
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>Alternative 1</b>													
Electric													
On-Pk Cons. (\$)	7,131	6,427	7,768	6,975	8,243	9,042	9,229	9,701	7,786	7,822	7,250	6,767	94,142
Monthly Total (\$):	7,131	6,427	7,768	6,975	8,243	9,042	9,229	9,701	7,786	7,822	7,250	6,767	94,142
Building Area =	123,591 ft <sup>2</sup>												
Utility Cost Per Area =	0.76 \$/ft <sup>2</sup>												

<b>Alternative 2</b>													
Electric													
On-Pk Cons. (\$)	5,685	5,118	6,725	6,305	7,154	7,752	7,578	8,127	6,669	7,003	6,387	5,424	79,927
Monthly Total (\$):	5,685	5,118	6,725	6,305	7,154	7,752	7,578	8,127	6,669	7,003	6,387	5,424	79,927
Building Area =	123,591 ft <sup>2</sup>												
Utility Cost Per Area =	0.65 \$/ft <sup>2</sup>												

# YEARLY CASH FLOW

By Trial

Alternative: 1  
Life Cycle Cost: \$916,848.40

Year	Utility Cost (\$)	Maint. Cost (\$)	Interest Cost (\$)	Principal Cost (\$)	Property Taxes (\$)	Insurance Cost (\$)	Revenue Penalty (\$)	Replace. Expenses (\$)	Deprec. Tax (\$)	Cash Flow Effect (\$)	Present Value (\$)
0	0	0	0	0	0	0	0	0	0	0	0
1	94,142	0	0	0	0	0	0	0	0	94,142	85,583
2	96,024	0	0	0	0	0	0	0	0	96,024	79,359
3	97,945	0	0	0	0	0	0	0	0	97,945	73,587
4	99,904	0	0	0	0	0	0	0	0	99,904	68,236
5	101,902	0	0	0	0	0	0	0	0	101,902	63,273
6	103,940	0	0	0	0	0	0	0	0	103,940	58,671
7	106,019	0	0	0	0	0	0	0	0	106,019	54,404
8	108,139	0	0	0	0	0	0	0	0	108,139	50,448
9	110,302	0	0	0	0	0	0	0	0	110,302	46,779
10	112,508	0	0	0	0	0	0	0	0	112,508	43,377
11	114,758	0	0	0	0	0	0	0	0	114,758	40,222
12	117,053	0	0	0	0	0	0	0	0	117,053	37,297
13	119,394	0	0	0	0	0	0	0	0	119,394	34,584
14	121,782	0	0	0	0	0	0	0	0	121,782	32,069
15	124,218	0	0	0	0	0	0	0	0	124,218	29,737
16	126,702	0	0	0	0	0	0	0	0	126,702	27,574
17	129,236	0	0	0	0	0	0	0	0	129,236	25,569
18	131,821	0	0	0	0	0	0	0	0	131,821	23,709
19	134,457	0	0	0	0	0	0	0	0	134,457	21,985
20	137,146	0	0	0	0	0	0	0	0	137,146	20,386

Alternative: 2  
Life Cycle Cost: \$778,412.02

Year	Utility Cost (\$)	Maint. Cost (\$)	Interest Cost (\$)	Principal Cost (\$)	Property Taxes (\$)	Insurance Cost (\$)	Revenue Penalty (\$)	Replace. Expenses (\$)	Deprec. Tax (\$)	Cash Flow Effect (\$)	Present Value (\$)
0	0	0	0	0	0	0	0	0	0	0	0
1	79,927	0	0	0	0	0	0	0	0	79,927	72,661
2	81,526	0	0	0	0	0	0	0	0	81,526	67,376
3	83,156	0	0	0	0	0	0	0	0	83,156	62,476
4	84,819	0	0	0	0	0	0	0	0	84,819	57,933
5	86,516	0	0	0	0	0	0	0	0	86,516	53,719
6	88,246	0	0	0	0	0	0	0	0	88,246	49,812
7	90,011	0	0	0	0	0	0	0	0	90,011	46,190
8	91,811	0	0	0	0	0	0	0	0	91,811	42,830
9	93,647	0	0	0	0	0	0	0	0	93,647	39,716
10	95,520	0	0	0	0	0	0	0	0	95,520	36,827
11	97,431	0	0	0	0	0	0	0	0	97,431	34,149
12	99,379	0	0	0	0	0	0	0	0	99,379	31,665
13	101,367	0	0	0	0	0	0	0	0	101,367	29,362
14	103,394	0	0	0	0	0	0	0	0	103,394	27,227
15	105,462	0	0	0	0	0	0	0	0	105,462	25,247
16	107,571	0	0	0	0	0	0	0	0	107,571	23,411
17	109,723	0	0	0	0	0	0	0	0	109,723	21,708
18	111,917	0	0	0	0	0	0	0	0	111,917	20,129
19	114,155	0	0	0	0	0	0	0	0	114,155	18,665
20	116,438	0	0	0	0	0	0	0	0	116,438	17,308

# YEARLY CASH FLOW

By Trial