

UNIT HEATER AND CABINET UNIT HEATER SCHEDULE															
UNIT NO.	MODEL	CFM	GPM	MBH	LAT	LWT	COIL ROWS	ELECTRIC			DIMENSIONS WxHxD	RECESS DEPTH	MTG AFF	MTG TYPE	NOTES
								HP	PHASE	VOLT					
CUH-1	FFMB030	275	1.0	15.8	1.0	15.8	2	.094	1	120	36"x30"x10"	PARTIAL	0	FLOOR MOUNTED INVERTED VERTICAL	STAMPED FRONT INLET AND OUTLET LOUVER
CUH-2	FFMB060	540	1.5	28.8	1.5	28.8	2	.148	1	120	51"x30"x10"	PARTIAL	0	FLOOR MOUNTED INVERTED VERTICAL	STAMPED FRONT INLET AND OUTLET LOUVER
CUH-3	FFEB060	600	1.5	28.9	1.5	28.9	2	.148	1	120	47"x30"x11"	FULL	CEILING HEIGHT	RECESSED HORIZONTAL	STAMPED FRONT INLET AND OUTLET LOUVER
CUH-4	FFMB060	540	1.5	28.8	1.5	28.8	2	.148	1	120	51"x30"x10"	PARTIAL	0	FLOOR MOUNTED INVERTED VERTICAL	STAMPED FRONT INLET AND OUTLET LOUVER
UH-1	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-2	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-3	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-4	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-5	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-6	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-7	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE
UH-8	60-W2	755	1.7	23.9	89	120		1/20	1	120	24"x17"x17"	---	SEE PLANS	HUNG FROM STRUCTURE ABOVE	40 F TEMP DIFFERENCE

NOTES:
1. UNIT MANUFACTURER SCHEDULE IS BASED ON TRANE.
2. EWT 160 F
3. EAT 60 F
4. MAX WPD 10 FT HEAD
5. LWT 120F

REGISTERS, GRILLES & DIFFUSERS SCHEDULE										
TAG	TYPE	MANUFACTURER	MODEL	NECK SIZE	CFM RANGE	DIRECTION OF BLOW	MAX NC	MAX SP	REMARKS	NOTES
S1	CEILING DIFFUSER	TITUS	TDC	6x6	0 - 150	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
S2	CEILING DIFFUSER	TITUS	TDC	9x9	151 - 250	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
S3	CEILING DIFFUSER	TITUS	TDC	12x12	251 - 450	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
S4	CEILING DIFFUSER	TITUS	TDC	15x15	451 - 700	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
S5	CEILING DIFFUSER	TITUS	TDC	18x18	701 - 900	SEE PLANS	20	.10"	OBD NOT REQUIRED	1,2
S6	LINEAR SLOT DIFFUSER	TITUS	MP-38	48x4 SLOT 12 DIA	200-300	SEE PLANS	25	.05"	OBD NOT REQUIRED	1, 2
R/E/T1	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	6x6	0 - 150	---	20	.07"	OBD NOT REQUIRED	1,3,4
R/E/T2	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	8x8	151 - 250	---	20	.07"	OBD NOT REQUIRED	1,3,4
R/E/T3	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	10x10	251 - 400	---	20	.07"	OBD NOT REQUIRED	1,3,4
R/E/T4	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	12x12	401 - 600	---	20	.07"	OBD NOT REQUIRED	1,3,4
R/E/T5	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	14x14	601 - 800	---	20	.07"	OBD NOT REQUIRED	1,3,4
R/E/T6	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	16x16	801 - 1000	---	20	.05"	OBD NOT REQUIRED	1,3,4
R/E/T7	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	18x18	1001 - 1250	---	20	.05"	OBD NOT REQUIRED	1,2,4
R/E/T8	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	22x22	1251 - 1700	---	20	.05"	OBD NOT REQUIRED	1,2,4
R/E/T9	RETURN/EXHAUST/TRANSFER GRILLE	TITUS	50F	22x46	1701 - 3400	---	20	.04"	OBD NOT REQUIRED	1,2,4
E10	EXHAUST GRILLE	TITUS	301RL	8x6	0-150	---	20	.10"	INTEGRAL OBD	1
E11	EXHAUST GRILLE	TITUS	301RL	12x12	151-300	---	20	.10"	INTEGRAL OBD	1

NOTES:
1. BAKED ENAMEL WHITE FINISH
2. BORDER TYPE 3 (LAY-IN)
3. BORDER TYPE 1 (SURFACE MOUNT)
4. 1/2" x 1/2" x 1/2" GRID
5. CLEAR ANODIZE ALUMINUM
6. PRIME COAT FINISH (FIELD PAINTED)
7. CURVED BORDER FOR INSTALLATION ON INTERNALLY LINED ROUND DUCT. COORDINATE WITH EXACT OUTSIDE DUCT DIAMETER.
PATTERN ADJUSTMENT: AT INSTALLATION AND TESTING AND BALANCING, SET ADJUSTABLE PATTERN VANES AS APPROPRIATE FOR THE SPACE, TO PROVIDE EFFECTIVE AIR DISTRIBUTION WITHOUT DISCOMFORT TO THE OCCUPANTS.

DUCT MOUNTED SOUND ATTENUATOR SCHEDULE																									
UNIT NO.	MODEL	QTY	ATTENUATOR DIMENSIONS WxHxL	DUCTWORK DIMENSIONS WxH	TOTAL CFM	APD IN WG	VELOCITY	TOTAL WEIGHT LBS	FLOW	DYNAMIC INSERTION LOSS RATINGS - OCTAVE BAND HZ								SELF NOISE POWER LEVELS DB - OCTAVE BAND HZ							
										63	125	250	500	1K	2K	4K	8K	63	125	250	500	1K	2K	4K	8K
SA-1	7-LFM	1	48X12X84	48X12	3420	0.17	855	163	(+)	15	16	31	41	38	22	16	14	47	34	36	35	40	37	27	20
SA-2	7-LFM	2	24X18X84	48X18	5800	0.22	966	242	(+)	15	16	31	41	38	22	16	14	47	34	36	35	40	37	27	20
SA-3	7-LFM	1	48X12X84	48X12	3420	0.17	855	163	(+)	15	16	31	41	38	22	16	14	47	34	36	35	40	37	27	20
SA-4	7-LFM	2	24X18X84	48X18	5800	0.22	966	242	(+)	15	16	31	41	38	22	16	14	47	34	36	35	40	37	27	20
SA-5	7-LFM	3	24X24X84 12X24X84	84X24	21000	0.48	1500	522	(-)	15	19	33	43	39	21	17	15	49	45	36	49	52	53	48	39

MFR BY IAC

VAV BOX							
TAGS	SERVICE	MAXIMUM COOLING AIRFLOW CFM	MIN (HEATING) COOLING AIRFLOW CFM	HEATING FLOW RATE GPM	MINIMUM LAT F	MINIMUM COIL HEATING CAPACITY MBH	
VAV-201	OFFICE 201	310	150	1	95	6.5	
VAV-202	OFFICE 213, 214	800	300	1	95	12.9	
VAV-203	OFFICE 212	350	200	1	95	8.6	
VAV-204	OPEN OFFICE 208	960	480	1	95	20.7	
VAV-205	OPEN OFFICE 208	960	480	1	95	20.7	
VAV-206	OPEN OFFICE 208	960	480	1	95	20.7	
VAV-207	OFFICE 207	275	175	1.23	95	7.6	
VAV-208	CONFERENCE 205	855	450	1	95	19.4	
VAV-209	OFFICE 204	275	175	1.23	95	7.6	
VAV-210	OPEN OFFICE 203 NORTHEAST	450	250	1	95	10.9	
VAV-211	OPEN OFFICE 203 NORTH	450	250	1	95	10.9	
VAV-212	OPEN OFFICE 203 NORTHWEST	450	250	1	95	10.9	
VAV-213	CONFERENCE 216	630	330	1.23	80	9.0	
VAV-214	OFFICE 217, 218, 219	345	175	1	80	4.7	
VAV-215	OFFICE 234, 235, 236	345	175	1	80	4.7	
VAV-216	OFFICE 224, 228	230	130	1	80	3.5	
VAV-217	OFFICE 225, 227	230	130	1	80	3.5	
VAV-218	CORRIDOR 207, 234	375	185	1	95	8.0	
VAV-301	OFFICE 301	310	150	1	100	9.7	
VAV-302	OFFICE 311	800	300	1	100	14.6	
VAV-303	OFFICE 309	350	200	1	100	9.7	
VAV-304	OPEN OFFICE 308 SOUTHWEST	960	480	1	100	23.3	
VAV-305	OPEN OFFICE 308 SOUTH	960	480	1	100	23.3	
VAV-306	OPEN OFFICE 308 SOUTHEAST	960	480	1	100	23.3	
VAV-307	OFFICE 306	275	175	1.23	100	8.5	
VAV-308	CONFERENCE 305	855	450	1	100	21.9	
VAV-309	OFFICE 304	275	175	1.23	100	8.5	
VAV-310	OPEN OFFICE 303 NORTHWEST	450	250	1	100	12.1	
VAV-311	OPEN OFFICE 303 NORTH	450	250	1	100	12.1	
VAV-312	OPEN OFFICE 303 NORTHEAST	450	250	1	100	12.1	
VAV-313	CONFERENCE 313	630	330	1	85	10.7	
VAV-314	OFFICE 331, 332, 333	345	175	1	85	5.7	
VAV-315	OFFICE 314, 315, 316	345	175	1	85	5.7	
VAV-316	OFFICE 321, 325	230	130	1	85	4.2	
VAV-317	OFFICE 322, 324	230	130	1	85	4.2	
VAV-318	CORRIDOR 334	375	185	1	100	9.0	

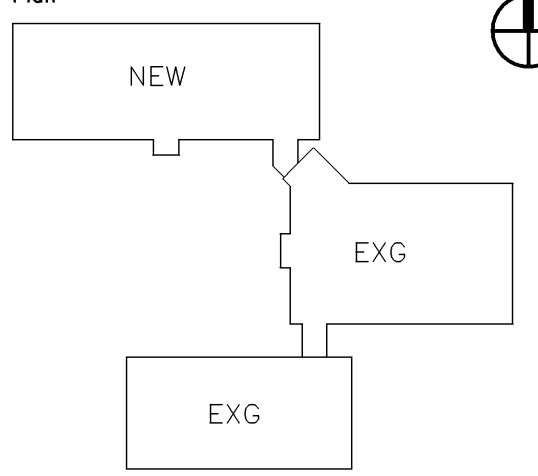
NOTES:
MAX COMBINED VALVE AND COIL AIR PRESSURE DROP = 0.5 IN WG
MAX WATER PRESSURE DROP = 5.0 FT HD
ENTERING AIR TEMPERATURE = 55 DEG F
ENTERING WATER TEMPERATURE = 160 DEG F
MAX WATER TEMPERATURE DROP = 40 F DEG
MAX NC LEVEL SHALL NOT EXCEED 30
MAXIMUM DIMENSION VERTICAL HEIGHT OF COIL AND VAV : 1'-2"
SCHEDULED VAV BOXES ARE MANUFACTURED BY TRANE

EXHAUST FAN SCHEDULE													
TAG	MODEL	SERVICE	CFM	SP	FAN RPM	SONES	HP	PHASE	VOLTS	MOTOR CONTROL	DRIVE	DAMPER	NOTES
EF-1	CUBE-200HP-5	TOILET / JANITOR & BREAK ROOM	2340	0.7	866	9.5	1/2	1	120	ATC	BELT	MOTORIZED	1, 4, 5
EF-2	CUE-098-A	DATA AND ELECTRIC ROOMS	900	0.5	1725	12.4	1/4	1	120	ATC	DIRECT	MOTORIZED	2, 3, 4
EF-3	CSP-255	MECH/MAINTENANCE ROOM	600	0.5	1273	5.8	500WATTS	1	120	COOLING THERMOSTAT	DIRECT	MOTORIZED	2, 4, 5, 6

SCHEDULED FANS MANUFACTURED BY GREENHECK

- NOTES:
1) CONTROLLED BY BUILDING AUTOMATION SYSTEM
2) PROVIDE UNIT MOUNTED VARIABLE SPEED CONTROLLER FOR BALANCING.
3) PROVIDE (3) LINE VOLTAGE THERMOSTAT (120V) SET TO ENERGIZE FAN WHEN TEMPERATURE EXCEEDS 85 DEGREES F.
4) PROVIDE DISCONNECT SWITCH FOR INSTALLATION UNDER DIVISION 16
5) SOUND ATTENUATING CURB WITH BAFFLES BY UNIT MFR
6) PROVIDE (1) LINE VOLTAGE THERMOSTAT (120V) SET TO ENERGIZE FAN WHEN TEMPERATURE EXCEEDS 85 DEGREES F.

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Key Plan


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