

PACKAGED ROOFTOP AIR HANDLING UNIT SCHEDULE (HEATING ONLY)																		
UNIT INFORMATION			FAN SECTION			GAS HEATING SECTION				FILTER SECTION								
UNIT	SERVES	MANUFACTURER - MODEL	CFM	S.P. IN-WG	FAN RPM	MOTOR HP	VOLTS	PH	MBH INPUT	MBH OUTPUT	GAS TYPE	MIN GAS INLET PRESSURE IN-WG	MAX GAS INLET PRESSURE IN-WG	CONTROL	TYPE	QUAN	SIZE	
AHU-1	EAST CORRIDORS	TRANE-GRCA15	1125	---	1.0	1045	3/4	208	3	150.0	118.5	NATURAL	2.5	14	MODULATING	30% THROWAWAY	2/4	20x20x2/20x25x2
AHU-2	WEST CORRIDORS	TRANE-GRCA10	900	---	1.0	1065	1/2	208	3	100.0	79.0	NATURAL	2.5	14	MODULATING	30% THROWAWAY	2/4	20x20x2/20x25x2

FAN SCHEDULE												
UNIT	SERVES	MANUFACTURER - MODEL	CFM	S.P.	DRIVE	RPM	MOTOR			DAMPER	CONTROL CYCLE	ACCESSORIES
							HP	VOLTS	PH			
EF-1	GARAGE EXHAUST	COOK-36XP	6500	0.125	BELT	415	1/2	115	1	MD	CO CONTROLLER	-
EF-2	ELEVATOR MACH ROOM	COOK-GC-220	100	0.10	DIRECT	1050	3/7W	115	1	MD	CONTINUOUS	-
EF-3	LAUNDRY ROOMS	COOK-100 ACRUB	225	0.15	BELT	750	1/6	115	1	MD	CONTINUOUS	-
EF-4	TOILET STACK EAST	COOK-150WH13D	900	0.10	BELT	980	1/3	115	1	MD	CONTINUOUS	-
EF-5	TOILET STACK WEST	COOK-150WH13D	900	0.10	BELT	980	1/3	115	1	MD	CONTINUOUS	-
EF-6	DRIER VENTS	EXHAUSTO - BE3B 315	1200	1.5	DIRECT	1740	1	208	3	---	EXHAUSTO EBC30 CONTROLLER	-
EF-7 TO 30	TOILETS	PANASONIC-FV-07FL1	75	0.10	DIRECT	900	19W	115	1	BD	LOCAL SWITCH	-

CABINET UNIT HEATER SCHEDULE														
UNIT	SERVES	MANUFACTURER - MODEL	CFM	COIL ROWS	MBH	GPM	EWT °F	LWT °F	MOTOR			TYPE	DIMENSIONS L x D x H	ACV#
							HP	VOLTS	PH					
CUH-1.1	102 STAIR	STERLING RF-131	170	1	9.5	1.0	180	160	1/70	115	1	WALL MOUNTED	25 x 8-7/8 x 25	ACV-11
CUH-1.2	105 STAIR	STERLING RF-131	170	1	9.5	1.0	180	160	1/70	115	1	WALL MOUNTED	25 x 8-7/8 x 25	ACV-11
CUH-2.1	214 VESTIBULE	STERLING RF-131	170	1	9.5	1.0	180	160	1/70	115	1	WALL MOUNTED	25 x 8-7/8 x 25	ACV-11

UNIT HEATER SCHEDULE													
UNIT	SERVES	MANUFACTURER - MODEL	CFM	MBH	GPM	EWT °F	LWT °F	MOTOR			ACCESSORIES	ACV#	
							HP	VOLTS	PH				
UH-1.1	101 MECHANICAL	STERLING HS-60	500	12.6	0.5	180	160	9W	115	1	SPEED CONTROLLER	ACV-11	
UH-1.2	106 BOILER ROOM	STERLING HS-108A	210	5.5	0.2	180	160	9W	115	1	SPEED CONTROLLER	ACV-11	
UH-1.3	108 ELEVATOR MACH RM	STERLING HS-108A	500	12.6	0.5	180	160	9W	115	1	SPEED CONTROLLER	ACV-11	
UH-1.4	109 ELECTRICAL ROOM	STERLING HS-108A	210	5.5	0.2	180	160	9W	115	1	SPEED CONTROLLER	ACV-11	

CONVECTOR SCHEDULE													
UNIT	SERVES	MANUFACTURER - MODEL	MBH	GPM	EWT °F	LWT °F	MOTOR			DIMENSIONS LxDxH	ACV#		
							HP	VOLTS	PH				
CONV-2.1	213 LOWER LOBBY	STERLING FSG-A-620	8.1	0.85	180	160	FREE STANDING				60 x 6 x 24	ACV-11	
CONV-2.2	202 STAIR	STERLING FSG-A-420	3.1	0.32	180	160	FREE STANDING				36 x 4 x 24	ACV-11	
CONV-2.3	212 STAIR	STERLING FSG-A-420	3.1	0.32	180	160	FREE STANDING				36 x 4 x 24	ACV-11	
CONV-3.1	302 STAIR	STERLING FSG-A-420	3.1	0.32	180	160	FREE STANDING				36 x 4 x 24	ACV-11	
CONV-3.2	202 STAIR	STERLING FSG-A-420	3.1	0.32	180	160	FREE STANDING				36 x 4 x 24	ACV-11	
CONV-4.1	212 STAIR	STERLING FSG-A-420	3.9	0.40	180	160	FREE STANDING				44 x 4 x 24	ACV-11	
CONV-4.2	302 STAIR	STERLING FSG-A-420	3.9	0.40	180	160	FREE STANDING				44 x 4 x 24	ACV-11	

FINNED TUBE RADIATION SCHEDULE														
UNIT	MANUFACTURER - MODEL	BTU/FT	GPM	EWT °F	LWT °F	EAT °F	ENCL GAUGE	ENCL HEIGHT DIM. (A)	MTG HEIGHT DIM. (B)	PIPE SIZE	TIERS	ELEMENT	FINS/FT	FIN DIMENSIONS
FT-A	STERLING MODEL LB-2	690	1.0	180	160	65	18	10 21/32"	10 21/32"	1"	1	CJ/AL	50	2-3/4" x 3-3/4"

AUTOMATIC CONTROL VALVE SCHEDULE															
UNIT	TYPE	GPM	MIN VALVE SIZE	PIPE SIZE HWS & HWR	SERVES	CONTROL CYCLE	UNIT	TYPE	GPM	MIN VALVE SIZE	PIPE SIZE HWS & HWR	SERVES	CONTROL CYCLE		
ACV-1.1	A	1.0	1/2"	---	3/4"	CUH-1.1	DDC	ACV-3.1	C	1.0	1/2"	---	3/4"	APARTMENT 304	DDC
ACV-1.2	A	1.0	1/2"	---	3/4"	CUH-1.2	DDC	ACV-3.2	C	1.0	1/2"	---	3/4"	APARTMENT 305	DDC
ACV-1.3	A	0.5	1/2"	---	3/4"	UH-1.1	DDC	ACV-3.3	C	1.0	1/2"	---	3/4"	APARTMENT 306	DDC
ACV-1.4	A	0.2	1/2"	---	3/4"	UH-1.2	DDC	ACV-3.4	C	1.0	1/2"	---	3/4"	APARTMENT 307	DDC
ACV-1.5	A	0.5	1/2"	---	3/4"	UH-1.3	DDC	ACV-3.5	C	1.0	1/2"	---	3/4"	CORRIDOR 315	DDC
ACV-1.6	A	0.2	1/2"	---	3/4"	UH-1.4	DDC	ACV-3.6	C	1.0	1/2"	---	3/4"	APARTMENT 311	DDC
ACV-2.1	C	1.0	1/2"	---	3/4"	APARTMENT 204	DDC	ACV-3.7	C	1.0	1/2"	---	3/4"	APARTMENT 310	DDC
ACV-2.2	C	1.0	1/2"	---	3/4"	APARTMENT 205	DDC	ACV-3.8	C	1.0	1/2"	---	3/4"	APARTMENT 309	DDC
ACV-2.3	C	1.0	1/2"	---	3/4"	APARTMENT 206	DDC	ACV-3.9	C	1.0	1/2"	---	3/4"	APARTMENT 308	DDC
ACV-2.4	C	1.0	1/2"	---	3/4"	APARTMENT 207	DDC	ACV-3.10	C	1.0	1/2"	---	3/4"	LOBBY 300	DDC
ACV-2.5	C	1.0	1/2"	---	3/4"	CORRIDOR 215	DDC	ACV-3.11	C	1.0	1/2"	---	3/4"	COMM 314	DDC
ACV-2.6	C	1.0	1/2"	---	3/4"	APARTMENT 211	DDC	ACV-3.12	A	0.32	1/2"	---	3/4"	CONV-3.1	DDC
ACV-2.7	C	1.0	1/2"	---	3/4"	APARTMENT 210	DDC	ACV-3.13	A	0.32	1/2"	---	3/4"	CONV-3.2	DDC
ACV-2.8	C	1.0	1/2"	---	3/4"	APARTMENT 209	DDC	ACV-4.1	C	1.0	1/2"	---	3/4"	APARTMENT 404	DDC
ACV-2.9	C	1.0	1/2"	---	3/4"	APARTMENT 208	DDC	ACV-4.2	C	1.0	1/2"	---	3/4"	APARTMENT 405	DDC
ACV-2.10	C	1.0	1/2"	---	3/4"	UPPER LOBBY 200	DDC	ACV-4.3	C	1.0	1/2"	---	3/4"	APARTMENT 406	DDC
ACV-2.11	A	0.85	1/2"	---	3/4"	CONV-2.1	DDC	ACV-4.4	C	1.0	1/2"	---	3/4"	APARTMENT 407	DDC
ACV-2.12	A	0.32	1/2"	---	3/4"	CONV-2.2	DDC	ACV-4.5	C	1.0	1/2"	---	3/4"	CORRIDOR 415	DDC
ACV-2.13	A	0.32	1/2"	---	3/4"	CONV-2.3	DDC	ACV-4.6	C	1.0	1/2"	---	3/4"	APARTMENT 411	DDC
ACV-2.14	A	1.0	1/2"	---	3/4"	CUH-2.1	DDC	ACV-4.7	C	1.0	1/2"	---	3/4"	APARTMENT 410	DDC
								ACV-4.8	C	1.0	1/2"	---	3/4"	APARTMENT 409	DDC
								ACV-4.9	C	1.0	1/2"	---	3/4"	APARTMENT 408	DDC
								ACV-4.10	C	1.0	1/2"	---	3/4"	LOBBY 400	DDC
								ACV-4.11	C	1.0	1/2"	---	3/4"	COMM 403	DDC
								ACV-4.12	A	0.4	1/2"	---	3/4"	CONV-4.1	DDC
								ACV-4.13	A	0.4	1/2"	---	3/4"	CONV-4.2	DDC

TYPE A = 3 WAY VALVE
 TYPE B = 2 WAY MODULATING (NOT USED)
 TYPE C = 2 POSITION

BOILER/BURNER UNIT SCHEDULE											
UNIT	MANUFACTURER - MODEL	I=B-R INPUT	I=B-R NET OUTPUT	ASME RELIEF VALVE SETTING	BURNER						
				MANUFACTURER - MODEL	FUEL TYPE	H.P.	VOLTS	PH			
B-1	DE DIETRICH - G305A	599 MBH	433 MBH	30 PSI	POWER FLAME - JR15A-10	NATURAL GAS	1/4	120	1		

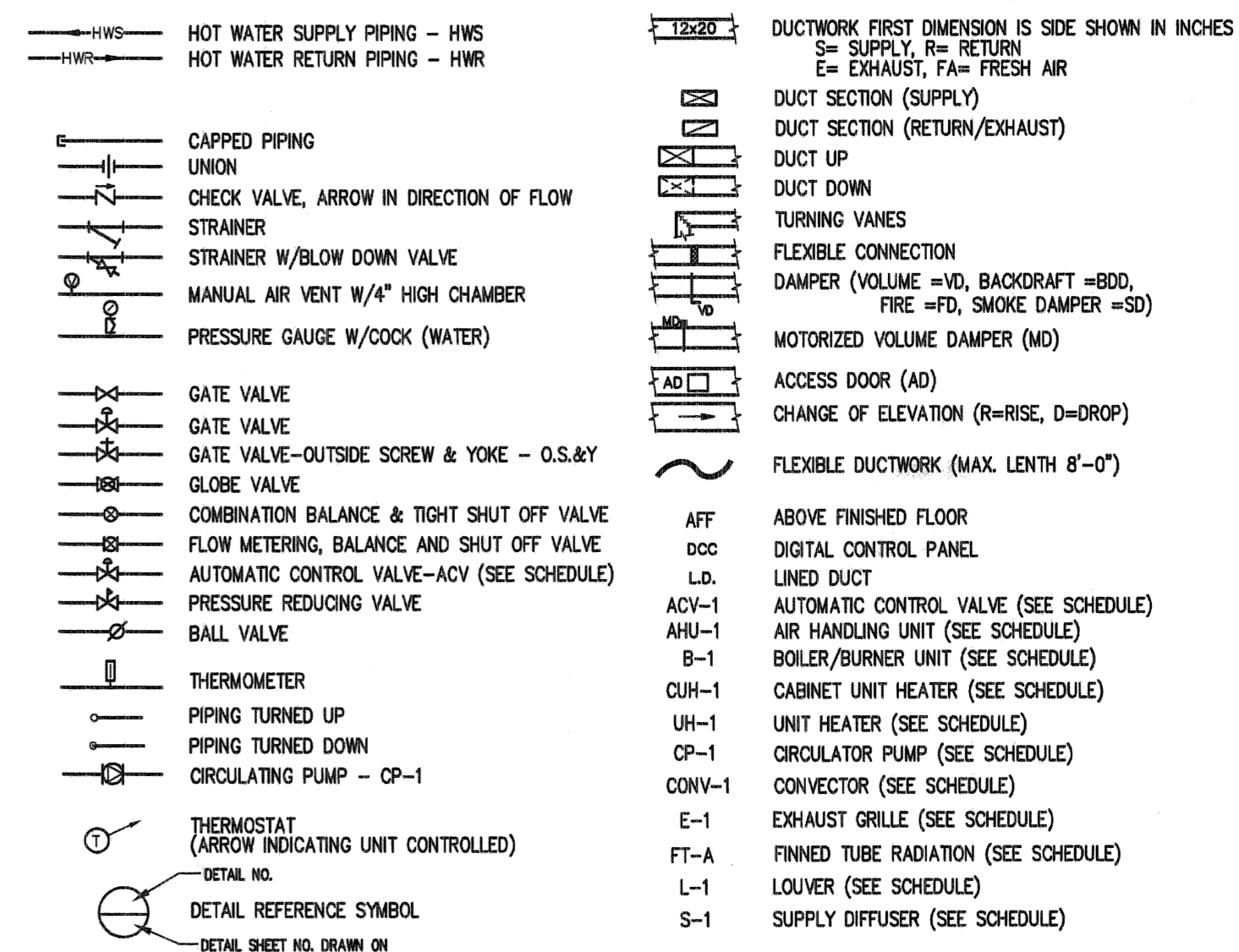
PUMP SCHEDULE											
UNIT	SERVES	MANUFACTURER - MODEL	GPM	HD FT	RPM	MOTOR			ACCESSORIES		
						HP	VOLTS	PH			
CP-1	ZONE #1 HEATING	GRUNDFOS UP50-75F	27.35	12	---	1/6	115	1	---		
CP-2	ZONE #2 HEATING	GRUNDFOS UP 26-64F	11.8	15	---	1/6	115	1	---		

PRE-FABRICATED VENT STACK SCHEDULE											
UNIT	SERVES	MANUFACTURER - MODEL	MINIMUM INSIDE DIAMETER	OPTIONS							
VS-1	BOILER B-1	SILKROK METALBESTOS IPS-C2	7"	GUIDES, CLEANOUTS, STACK CAP, ROOF VENTILATED SLEEVE, WALL SUPPORT, DRAIN, ETC.							

LOUVER SCHEDULE											
UNIT	SERVES	MANUFACTURER - MODEL	TYPE	SIZE	MAX PD	OPTIONS					
L-1	BOILER ROOM	GESCO - SLX2-JB-45	INTAKE	24x30	0.04	BIRD SCREEN					

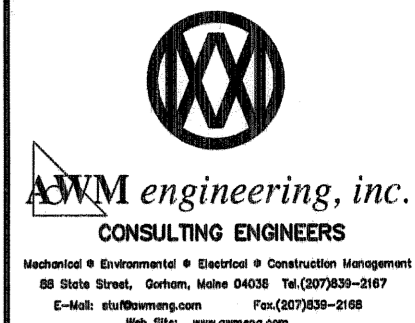
GRILLES, REGISTERS, DIFFUSERS SCHEDULE											
UNIT	SIZE		BLOW	MOUNTING	MAX CFM	MAX P.D.	ANEMOSTAT MODEL	ACCESSORIES			
	FACE	NECK									
E-1	8 1/2 x 8 1/2	6x6	---	CEILING	75	0.1	X3HP	VOLUME DAMPER			
E-2	8 1/2 x 8 1/2	6x6	---	WALL	75	0.1	X3HP	VOLUME DAMPER			
S-1	---	12x12	2 WAY	LAY IN	300	0.03	XDP	SQUARE TO ROUND ADAPTOR			
S-2	---	6x6	2 WAY	LAY IN	75	0.03	XDP	SQUARE TO ROUND ADAPTOR			

H V A C LEGEND



GENERAL NOTES

- ALL PIPING SHOWN DIAGRAMATICALLY. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- COORDINATE ALL WORK WITH THE OWNER.
- FIELD VERIFY EXISTING CONDITIONS AND LOCATION OF EQUIPMENT IN THE WORK AREAS PRIOR TO BEGINNING ANY WORK. PROVIDE ALL RISES, DROPS, OFFSETS, ETC. AS REQUIRED TO AVOID ALL NEW AND EXISTING LIGHTING, WIRING, STRUCTURE, PIPING, ETC.
- ALL ITEMS ARE NEW UNLESS LABELED OR INDICATED AS EXISTING.
- ALL OPENINGS IN WALLS, FLOORS AND CEILINGS RESULTING FROM THE INSTALLATION OF NEW EQUIPMENT ARE TO BE PATCHED TO MATCH THE FINISHED SURFACE.
- ALL ROOM TEMPERATURE SENSORS SHALL BE LOCATED A MINIMUM OF 12" HORIZONTALLY AWAY FROM ROOM DIMMER SWITCHES. TEMPERATURE SENSORS SHALL BE MOUNTED 54" ABOVE FINISHED FLOOR.



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Scale: As Noted
 Date: REVISED NOV. 9, 2004.

Drawing: MECHANICAL SCHEDULES, NOTES AND LEGEND



FOR BIDDING
 11/18/05