

SINGLE DUCT AIR TERMINAL SCHEDULE																					
TAG	SERVES	PRICE MODEL #	SIZE	CFM MAX	CFM MIN	HEAT CFM	MAX RAD. & DISCH. NC	A.P.D. AT MAX COOLING	MBH	GPM	MAX WPD	EWT	LWT	EAT	LAT	ROWS	CONTROL VALVE	ROOM TEMP SENSOR GUARD	SPACE CO2 SENSOR	RUNOUT SIZE	NOTES
VAV-1	MIDDLE CLASS	SDV5	12	980	300	450	18	0.15"	21.9	1.5	2.3'	170	140.0	55	100	2	2-WAY	YES	YES	3/4"	1, 2, 3
VAV-2	DIRECTOR	SDV5	7	400	60	400	18	0.28"	19.4	1.3	1.0'	170	140.0	55	100	2	2-WAY	---	---	3/4"	1, 2, 3
VAV-3	ADMIN	SDV5	7	430	60	120	18	0.10"	4.7	0.5	1.0'	170	150.0	55	91	1	2-WAY	---	---	1/2"	1, 2, 3
VAV-4	CONFERENCE	SDV5	6	280	90	90	18	0.28"	3.5	0.5	1.0'	170	157.0	55	91	1	2-WAY	---	---	1/2"	1, 2, 3
VAV-5	LOBBY	SDV5	8	460	60	350	18	0.28"	17.0	1.1	1.0'	170	140.0	55	100	2	2-WAY	YES	---	3/4"	1, 2, 3
VAV-6	MISC INTERNAL	SDV5	8	490	80	80	18	0.28"	3.1	0.5	1.0'	170	157.0	55	91	1	2-WAY	YES	---	1/2"	1, 2, 3
VAV-7	PPD	SDV5	7	400	60	400	18	0.28"	19.4	1.3	1.0'	170	140.0	55	100	2	2-WAY	---	---	3/4"	1, 2, 3
VAV-8	ELEMENTARY	SDV5	9	700	240	500	18	0.28"	24.3	1.6	1.0'	170	140.0	55	100	2	2-WAY	YES	YES	3/4"	1, 2, 3
VAV-9	THERAPY KITCHENS	SDV5	7	400	150	150	18	0.28"	5.8	0.6	1.0'	170	150.0	55	91	1	2-WAY	YES	---	1/2"	1, 2, 3
VAV-10	OT	SDV5	8	510	200	200	18	0.28"	7.7	0.5	1.0'	170	140.0	55	91	1	2-WAY	YES	YES	1/2"	1, 2, 3
VAV-11	MISC INTERNAL	SDV5	7	350	120	120	18	0.28"	4.6	0.5	1.0'	170	150.0	55	91	1	2-WAY	YES	---	1/2"	1, 2, 3
VAV-12	ELEMENTARY	SDV5	9	600	280	280	18	0.28"	10.8	0.7	1.0'	170	140.0	55	91	1	2-WAY	YES	YES	3/4"	1, 2, 3
VAV-13	CLASSROOM	SDV5	9	600	280	280	18	0.28"	10.8	0.7	1.0'	170	140.0	55	91	1	2-WAY	YES	YES	3/4"	1, 2, 3
VAV-14	HIGH SCHOOL	SDV5	9	600	280	280	18	0.28"	10.8	0.7	1.0'	170	140.0	55	91	1	2-WAY	YES	YES	3/4"	1, 2, 3
VAV-15	HIGH SCHOOL	SDV5	9	700	320	320	18	0.28"	12.3	0.8	1.0'	170	140.0	55	91	1	3-WAY	YES	YES	3/4"	1, 2, 3
VAV-16	LIBRARY	SDV5	6	240	90	90	18	0.28"	3.5	0.5	1.0'	170	155.0	55	91	1	3-WAY	YES	YES	1/2"	1, 2, 3
VAV-17	KITCHEN	SDV5	10	790	170	300	18	0.28"	11.6	0.8	1.0'	170	140.0	55	91	1	3-WAY	YES	---	3/4"	1, 2, 3
VAV-18	NURSE - PSYCH	SDV5	6	260	90	140	18	0.28"	5.4	0.5	1.0'	170	150.0	55	91	1	3-WAY	---	---	1/2"	1, 2, 3
	AHU TOTALS			9,190	2,930				196.6	14.6											
BASE BID																					
BP-1	BYPASS "DUMP BOX"	SDV5	16	2,320	0		25	0.02"													1, 2, 3, 4
ALTERNATE #6																					
BP-2	BYPASS "DUMP BOX"	SDV5	24 X 16	3,940	0		28	0.02"													1, 2, 3, 4, 5
NOTES:																					
1. VAV BOX MANUFACTURER: BOX AIRFLOW PICKUP, AND HW COIL.																					
2. CONTROL CONTRACTOR: DAMPER ACTUATOR, VALVE ACTUATOR, TRANSFORMERS, AND LOW VOLTAGE WIRING.																					
3. ELECTRICAL CONTRACTOR; LINE VOLTAGE SIDE OF TRANSFORMERS.																					
4. PROVIDE A 59" ATTENUATOR SECTION.																					
5. PROVIDE FOR ALTERNATE #6. BP-2 TO BE REMOVED IN FUTURE, WHEN AHU IS CONVERTED TO VAV.																					

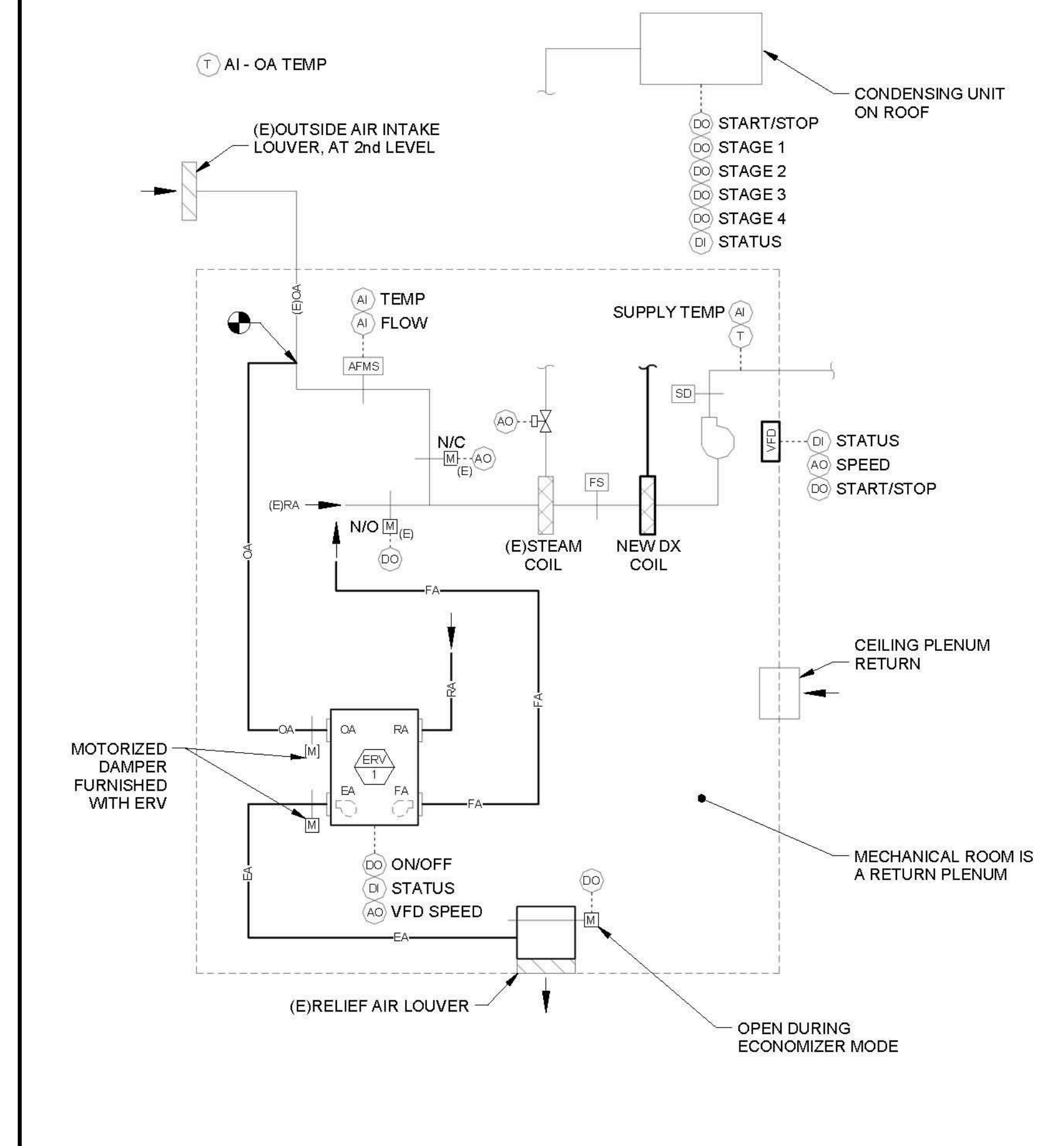
PUMP SCHEDULE																
TAG	MFR	MODEL	SUCTION DISCH	TYPE	PUMPED FLUID	PERFORMANCE				ELECTRICAL				ELECTRICAL COORDINATION		NOTES
						GPM	HEAD	RPM	NPSH	BHP	NOL HP	MOTOR HP	VOLTS/PH (60 Hz.)	VFD FURN. BY	STARTER FURN. BY	
P-1	TACO	1915	1 1/2" X 1 1/2"	VERTICAL IN LINE W/INTEGRAL VFD	WATER	14	35	1750	5'	0.37	0.61	3/4	110/1	W/ PUMP	---	DIV 26

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE										
TAG	PRICE MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL P.D. (IN.W.C.)	MAX NC LEVEL	BORDER TYPE	BLOW	NOTES
S-1	SCDA	SQ. CEILING SUPPLY DIFFUSER	6" DIA	24" X 24"	0-139	0.07"	16	LAY-IN	4-WAY, ADJUSTABLE	
S-2	SCDA	SQ. CEILING SUPPLY DIFFUSER	8" DIA	24" X 24"	140-240	0.07"	19	LAY-IN	4-WAY, ADJUSTABLE	
S-3	SCDA	SQ. CEILING SUPPLY DIFFUSER	10" DIA	24" X 24"	241-440	0.07"	22	LAY-IN	4-WAY, ADJUSTABLE	
S-4	520D	STEEL DOUBLE DEFL. SUPPLY REGISTER	8" X 6"	8" X 6"	0-180	0.10"	21	SURFACE MT.	ADJUSTABLE	
S-5	MSRRP	SECURITY DIFFUSER	6" X 6"	8" X 8"	0-100	0.02"	15	SURFACE MT.	1-WAY	
R-1	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	12" X 12"	12" X 12"	0-350	0.05"	27	SURFACE MT.		
R-2	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	24" X 12"	24" X 12"	351-720	0.03"	27	LAY-IN		
R-3	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	24" X 24"	24" X 24"	721-1,200	0.05"	22	LAY-IN		

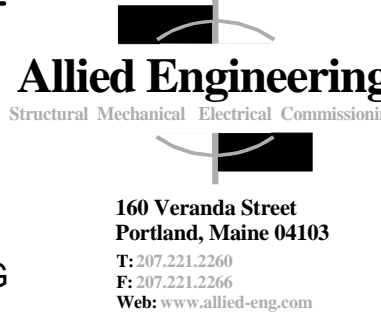
HEAT EXCHANGER SCHEDULE - STEAM TO WATER CONVERTER													
UNIT NO.	MFR-MODEL	STEAM INLET PRESS PSIG	STEAM LBS/HR	HEATED FLUID					PASSES	SHELL DIA	OVERALL LENGTH		
				GPM	% PROP GLYCOL	E.W.T. DEG F	L.W.T. DEG F	P.D. (FT HD)				TUBE VEL (FPS)	MBH
HX-1	TACO G04208-S	2	213	14	0	140	170	0.3	2.06	210,000	2	4"	4'

ENERGY RECOVERY UNIT SCHEDULE (ALT. #6 SEE SPEC. 012300)		
GENERAL	TAG	ERU-1
TYPE		FIXED-PLATE ENTHALPIC
MFR		RenewAire
MODEL		HE2XINV
FILTER SECTION (TYP-2, SUPPLY & EXH)		2" MERV 8
MIN. AREA, sf		11.1
VELOCITY		162
OUTSIDE AIR FAN		FC
AIRFLOW, cfm		1,800
ESP, in.wc		0.5"
MOTOR SPEEDS		VFD
HP		1.5
EXHAUST AIR FAN		FC
AIRFLOW, cfm		1,800
ESP, in.wc		0.5"
MOTOR SPEEDS		VFD
HP		1.5
OVERALL DIMENSIONS		
LENGTH		36"
WIDTH		45"
HEIGHT		52"
OPERATING WEIGHT, lbs.		430
HEAT RECOVERY CORE		
SUMMER OA DB/WB		88 / 72
WINTER OA DB		
SUMMER SA DB/WB		78.5 / 72.9
WINTER SA DB		63.2
SENSIBLE EFFECTIVENESS		73.8%
SUMMER ENTHALPY EFF.		45.4%
WINTER ENTHALPY EFF.		67.3%
FROST CONTROL		NONE REQUIRED
ELECTRICAL DATA		
V-PH-HZ		208/3/60
UNIT FLA		9.6
UNIT MCA		11.9
MAX FUSE SIZE		15.0
S & R SMOKE DETECTORS		NO

AIR COOLED CONDENSING UNIT SCHEDULE	
TAG	CU-1
LOCATION	ROOF
MFR-MODEL	DAIKIN
MODEL	RCS0203
TONS	20.6
V-PH-HZ	230-3-60
REFRIGERANT	R410A
SAT. SUCT. TEMP.	45
AMBIENT DB, deg-F.	95
MIN OA TEMP	45
COMP QTY	3
STAGES	4
INDEPENDENT CIRCUITS	2
UNIT MCA	92
UNIT MOPD	125
EER AT ARI CONDITIONS	11.6
OPERATING WEIGHT, lbs.	1,850
LENGTH	99.0"
WIDTH	58.0"
HEIGHT	55.5"
NOTES:	
1.	PROVIDE UNIT-MOUNTED FACTORY DISCONNECT SWITCH.
DX COOLING COIL - SEE SPEC 238216.13	
COMPATIBLE WITH CU-1	
COIL AREA, sf.	21 SF +/- - FIELD CONFIRM
CIRCUITS	2
COIL FACE VELOCITY	R410A



E8 DETAIL ~ AIR FLOW DIAGRAM
NOT TO SCALE ALT. #6 SEE SPEC. 012300



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PDT JOB NO. 14018

DRWN. CHK
REW IAM

SCALE: AS NOTED

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TITLE MECHANICAL SCHEDULES

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