

DETAIL ~ STEAM CABINET UNIT HEATER PIPING

DETAIL - ROOF DRAIN PIPING

NONE



UNIT HEATER SCHEDULE												(06/19/2018	8		
TAG	SERVES	MFRMODEL	SIZE	TYPE	MBH	CFM	EAT (DEGF)	LAT (DEGF)	LB/HR	FLUID	STEAM PRESSURE	MOTOR TYPE	MOTOR HP	ELECT	CONTROL VALVE	NOTES
CUH-1	VESTL1 R011 1ST FL	TRANE FF- E-B	80	HORIZ RECESSED	33.1	702	70	113.0	34.1	STEAM	2 PSIG	ECM	135 W	120-1-60	2-WAY	1
CUH-2	STAIR1	TRANE FF- N-B	30	HORIZ RECESSED	12.5	277	70	112.0	12.9	STEAM	2 PSIG	ECM	70 W	120-1-60	2-WAY	1
CUH-3	VESTL1 R211 2ND FL	TRANE FF- N-B	30	HORIZ RECESSED	12.5	277	70	112.0	12.9	STEAM	2 PSIG	ECM	70 W	120-1-60	2-WAY	1

1. POWER WIRING TO UNIT HEATER BY DIV 26. ALL LOW VOLTAGE CONTROL WIRING, THERMOSTAT, RELAYS, AND TRANFORMERS BY DIV. 23. DISCONNECT SWITCH: PROVIDE BY UNIT HEATER MANUFACTURER.

GENERAL	TAG	ERU-1	ERU-2
	SERVES	R250C & R250B CLASS ROOMS	MAIN OFFICE R100
	TYPE	FIXED-PLATE	FIXED-PLATE
	MFR	RenewAire	RenewAire
	MODEL	HE1XINH EC	EV200
FILTER SECTION	FILTERS	2" MERV-13	2" MERV-8
DUTSIDE AIR FAN	TYPE	FC	FC
	AIRFLOW, cfm	775	125
	ESP, in.wc.	0.9"	0.70"
	HP	0.5	0.1
EXHAUST AIR FAN	TYPE	FC	FC
	AIRFLOW, cfm	775	125
	ESP, in.wc.	0.65"	0.70"
	HP	0.75	SHARED MOTOR
OVERALL DIMENSIONS	LENGTH	54.75"	33.5"
	WIDTH	23.75"	24"
	HEIGHT	35.75"	20"
	OPERATING WEIGHT, lbs.	275	68
HEAT RECOVERY CORE	SUMMER OA DB/WB	87 / 72	87 / 72
	WINTER OA DB	0	0
	SUMMER SA DB/WB	78.5 / 72.9	78.5 / 72.9
	WINTER SA DB	52.8	52.8
	TEMP EFF.	72.0%	81.0%
	SUMMER EFF.	55.0%	77.0%
	WINTER EFF.	66.0%	64.0%
	FROST CONTROL	NONE REQUIRED	NONE REQUIRED
ELECTRICAL DATA	V-PH-HZ	208/1/60	120/1/60
	DISC SWITCH	WITH UNIT	=
	STARTER	₩/Y	2
	UNIT FLA	4.8	1.5
	S & R SMOKE DETECTORS	NO	NO
NOTES		1,2	
Notes:			

MECHANICAL SCHEDULES

NONE

INDOOR UNITS	HP-1	HP-2
ARRANGEMENT	CEILING CASSETTE	CEILING CASSETTE
COOLING BTUH	9,000	9,000
HEATING BTUH @ 47F	10,450	10,450
HEATING BTUH @ -5F	9,000	9,000
MITSUBISHI MODEL NO.	SLZ-KA12NA	SLZ-KA12NA
DIMENSIONS - H X W X D	9-1/4" x 22-7/16" x 22-7/16"	9-1/4" x 22-7/16" x 22-7/16
WEIGHT, LBS.	36	36
CFM	290	290
EXT S.P., IN. WC	0.21"	0.21"
SOUND dBA - HIGH CFM	34 dB(A)	34 dB(A)
ELECTRICAL	208/230-1	208/230-1
ELECTRICAL, MCA	1A	1A
COND. DRAIN SIZE	3/4"	3/4"
LIQUID LINE SIZE	1/4"	1/4"
GAS LINE SIZE	3/8"	3/8"
OUTDOOR COND. UNIT:	C	<u> </u> U-1
MITSUBISHI COND UNIT MODEL NO.		C20NAHZ
BRANCH SELECTOR BOX (BSB) MODEL		
COOLING BTUH	18	,000
HEATING BTUH	22	,000
REFRIGERANT		110A
ELECTRICAL	208-2	30/1/60
MCA	2	8.9
MOP	2	**************************************
SOUND dBA - HIGH	580	IB(A)
DIMENSIONS (H x W x D)		7-13/32" x 13"
WEIGHT, LBS.	1	87

							LOUVE	R SCHEDUL	E						
TAG								BEGINNING POINT	3						
	MAKE - MODEL	AIR SYSTEM	DUTY	CFM	HEIGHT (IN.)	WIDTH (IN.)	MIN. FREE AREA (SF)	GROSS VELOCITY (FT/MIN)	NET VELOCITY (FT/MIN)	% FREE AREA	BLADE DEPTH	OF WATER	MAX P.D. MAX W.C.	SEE SPEC SEE SPEC	SCREEN
L-1	RUSKIN ELF445DX	ERU-2	EXHAUST	125	12	18	0.63	83.3	198.4	42.0%	4"	873 FPM	0.06	SEE SPEC	
L-2	RUSKIN ELF445DX	ERU-2	INTAKE	125	12	18	0.63	83.3	198.4	42.0%	4"	873 FPM	0.06	SEE SPEC	
L-3	RUSKIN ELF445DX	ERU-1	EXHAUST	775	24	48	3.8	96.9	203.9	47.5%	4"	873 FPM	0.06	SEE SPEC	
L-4	RUSKIN ELF445DX	ERU-1	INTAKE	775	24	48	3.8	96.9	203.9	47.5%	4"	873 FPM	0.06	SEE SPEC	
													ly.		

		IN ANI DANGEROUS GAVES IN	West Street Street		DIFFUSER				775	
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	SCD	SQ. CEILING SUPPLY DIFFUSER	6" DIA	24" X 24"	0-150	0.07"	16	LAY-IN	4-WAY	
S-2	SCD	SQ. CEILING SUPPLY DIFFUSER	8" DIA	24" X 24"	151-275	0.07"	19	LAY-IN	4-WAY	
S-3	SCD	SQ. CEILING SUPPLY DIFFUSER	10" DIA	24" X 24"	276-440	0.07"	22	LAY-IN	4-WAY	
S-4	SCD	SQ. CEILING SUPPLY DIFFUSER	12" DIA	24" X 24"	441-630	0.07"	24	LAY-IN	4-WAY	
R-1	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	8" X 8"	8" X 8"	0-170	0.05"	23	SURFACE MT.		
R-2	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	12" X 12"	12" X 12"	171-440	0.05"	27	SURFACE MT.		
R-3	530	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	22" X 22"	22" X 22"	440-940	0.03"	27	LAY-IN	A TOTAL CONTROL OF THE PARTY OF	

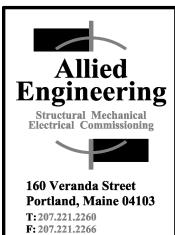
TAG	MANUFACTURER - MODEL	SERVES	AIRFLO W	LENGTH	HEIGHT	FACE VEL	EDB	LDB	MAX APD	втин	KW	AMPS	VOLT / PH
DC-1	INDEECO	ERU-1	775	14	14	569	40	75	0.2"	29,295	8.6	10.3	480/3
DC-2	INDEECO	ERU-2	125	10	6	300	40	75	0.2"	4,725	1.4	1.8	208/3
NOTES:													
1. Provide	SCR Heating Control												
2. Provide	e disconnect switch.												
3. Access	sories: Airflow switch, duct the	rmostat, magnetic	c contactor, a	and pilot ligl	nt.								
4. Coordia	anate control box location - LH	or RH for proper i	maintenance	access.									
5 Provide	duct mounted thermostat												

ARCHITECTS

Reviewed for Code Compliance Permitting and Inspections Department Approved with Conditions

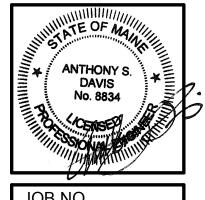
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No. Date Description Revision Schedule



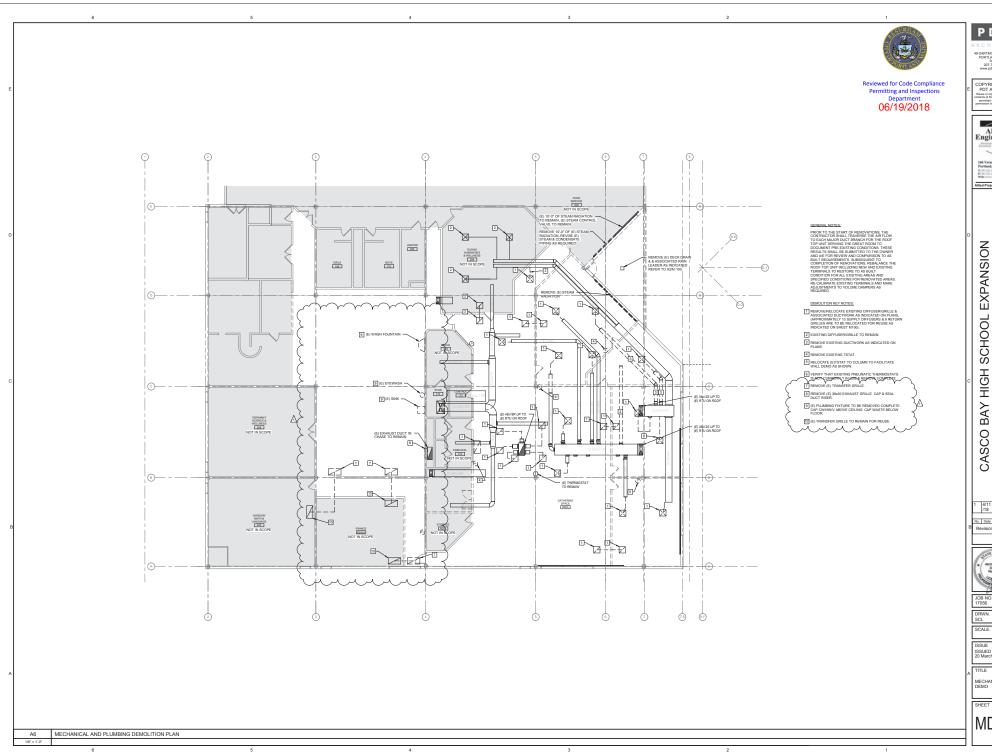
DRWN. CHK SCL ASD

SCALE:

ISSUED FOR BID 20 March 2018

MECHANICAL SCHEDULES, DETAILS & NOTES___

SHEET



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Allied Engineering _

' HIGH SCHOOL E 196 Allen Avenue Portland, ME

1 4/11 Addendu No. Date Descriptio Revision Schedule



DRWN. CHK SCL ASD SCALE:

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MECHANICAL DEMO

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