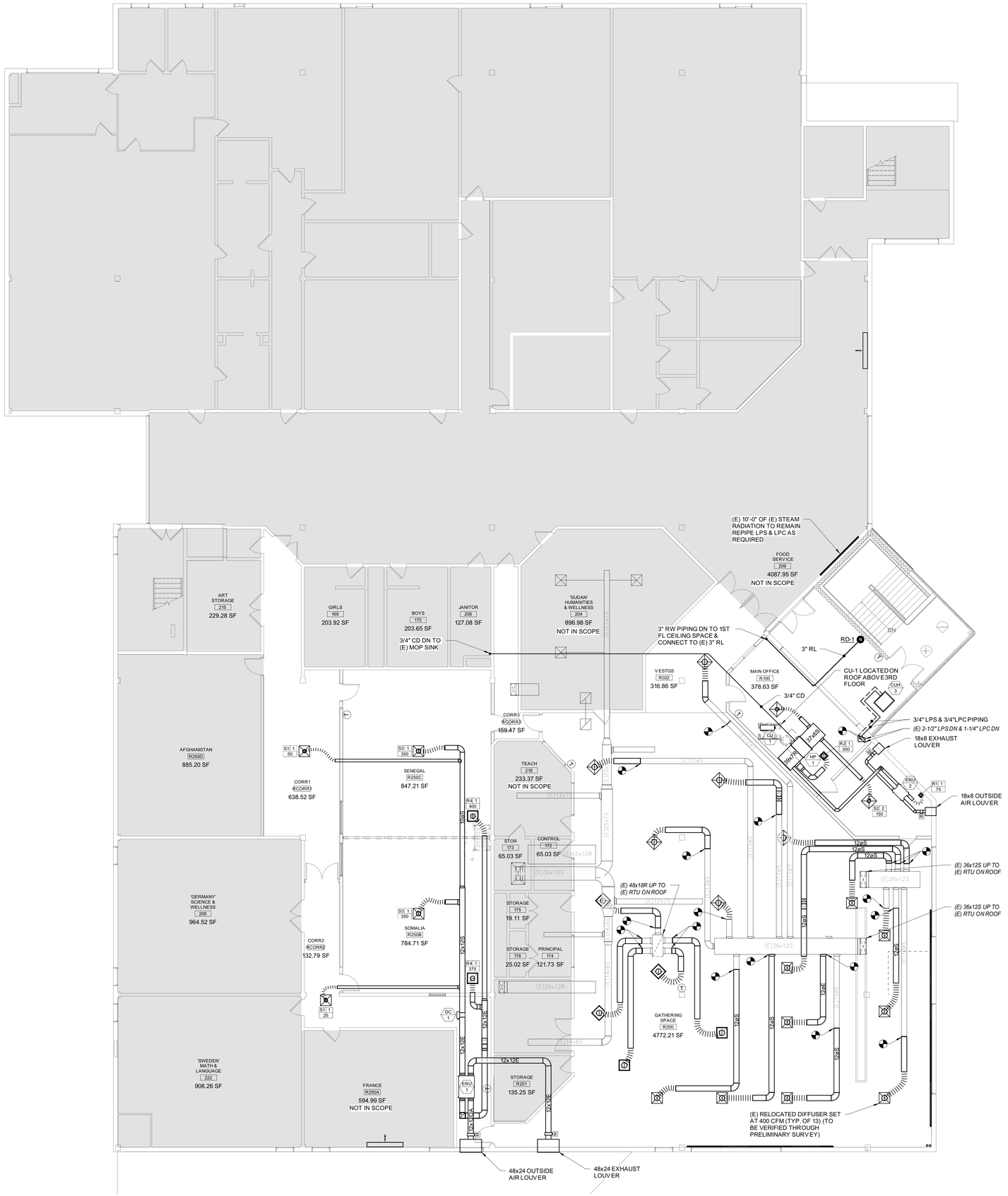


A6	02_Level 2 HVAC
1/8" = 1'-0"	

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	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	————	

ENERGY RECOVERY UNIT SCHEDULE

GENERAL	TAG	ERU-1	ERU-2
	SERVES	HP-20 & 21	HP-13, 14 & 15
	TYPE	FIXED-PLATE	FIXED-PLATE
	MFR	RenewAire	RenewAire
	MODEL	HE11XNH	EV200
FILTER SECTION	FILTERS	2" MERV-13	2" MERV-8
OUTSIDE AIR FAN	TYPE	FC	FC
	AIRFLOW, cfm	**775**	**75**
	ESP, in.wc.	0.9"	0.70"
	HP	0.75	0.1
EXHAUST AIR FAN	TYPE	FC	FC
	AIRFLOW, cfm	**775**	**75**
	ESP, in.wc.	0.9"	0.70"
	HP	0.75	SHARED MOTOR
OVERALL DIMENSIONS	LENGTH	53.75"	33.5"
	WIDTH	23.75"	24"
	HEIGHT	35.75"	20"
	OPERATING WEIGHT, lbs.	275	110
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	DIV 26	DIV 26
	STARTER	DIV 26	DIV 26
	UNIT FLA		1.5
	S & R SMOKE DETECTORS	NO	NO
NOTES		1,2	

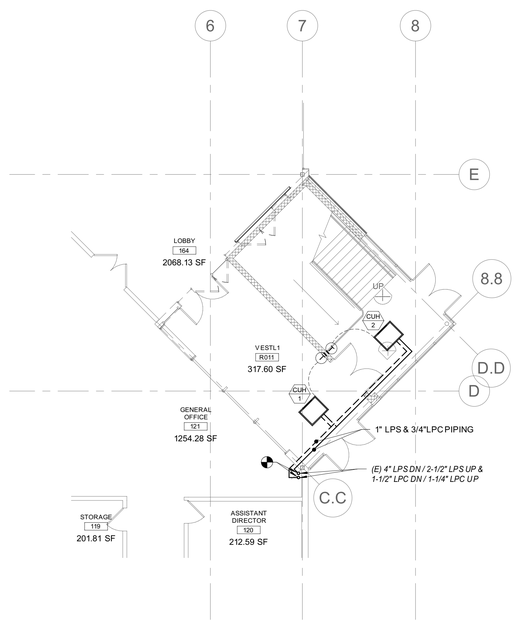
Notes:
1. Provide ECM motor as specified.
2. Provide factory isolation damper at OA/EA as specified.

MULTI - SPLIT A/C UNIT SCHEDULE

INDOOR UNITS	**HP-1**	
ARRANGEMENT	HORIZONAL DUCTED	
COOLING BTUH	11,500	
HEATING BTUH @ 47F	13,600	
HEATING BTUH @ -5F	9,000	
MITSUBISHI MODEL NO.	SEZ-KD12NA	
DIMENSIONS - H X W X D	7-7/8" x 39" x 27-9/16"	
WEIGHT, LBS.	75	
CFM	350	
EXT S.P., IN. WC	0.21"	
SOUND dBA - HIGH CFM	33 dB(A)	
ELECTRICAL	208/230-1	
ELECTRICAL, MCA	1A	
COND. DRAIN SIZE	3/4"	
LIQUID LINE SIZE	1/4"	
GAS LINE SIZE	3/8"	
OUTDOOR COND. UNIT:	**CU-1**	
MITSUBISHI COND UNIT MODEL NO.	MUZ-FH12NA	
BRANCH SELECTOR BOX (BSB) MODEL	————	
COOLING BTUH	13,600	
HEATING BTUH	21,000	
REFRIGERANT	R410A	
ELECTRICAL	208-230/1/60	
MCA	11	
MOP	-	
SOUND dBA - HIGH	51dB(A)	
DIMENSIONS (H x W x D)	21-5/8" x31-1/2" x 11-1/4"	
WEIGHT, LBS.	83	

NOTES:
1. POWER TO CU'S BY DIV 26. WIRING BETWEEN AC AND CU PROVIDED BY DIV 23.
2. PROVIDE BOTTOM RETURN MERV-8 FILTER BOXES FOR HORIZONTAL DUCTED UNITS.

C2	MECHANICAL SCHEDULES
NONE	



A2	00_Level 1 HVAC
1/8" = 1'-0"	

PDT ARCHITECTS
49 DARTMOUTH STREET
PORTLAND, MAINE
04101
207-775-1059
www.pdtarchs.com

Date: 05/18/18

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Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2366
Web: www.allied-eng.com

Allied Project No: 17013

CASCO BAY HIGH SCHOOL- RENOVATIONS

196 Allen Avenue
Portland, ME

No.	Date	Description
		Revision Schedule

STATE OF MAINE ANTHONY S. DAVIS No. 8834 LICENSED PROFESSIONAL ENGINEER

JOB NO. 17056

DRWN. CHK
Checker

SCALE:

ISSUE
Permitting Set
19 February 2018

TITLE
MECHANICAL PLAN

SHEET
M-100