

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE

TAG	PRICE MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL F.D. (IN.W.C.)	MAX NO 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	S30	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	8" X 8"	8" X 8"	0-170	0.05"	23	SURFACE MT.		
R-2	S30	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	12" X 12"	12" X 12"	171-440	0.05"	27	SURFACE MT.		
R-3	S30	STEEL RETURN GRILLE, 3/4" SPACING, 45 DEG VANES	22" X 22"	22" X 22"	440-940	0.05"	27	LAY-IN		

ENERGY RECOVERY UNIT SCHEDULE

GENERAL	TAG	ERU-1	ERU-2
SERVIS	HP-20 & 21	HP-13, 14 & 15	
TYPE	FIXED-PLATE	FIXED-PLATE	
MFR	RenewAir	RenewAir	
MODEL	HE19NH	EV200	
FILTERS	2" MERV-13	2" MERV-8	
OUTSIDE AIR FAN	FC	FC	
AIRFLOW, cfm	775	75	
ESP, in. wc.	0.9"	0.1"	
HP	0.75	0.1	
EXHAUST AIR FAN	FC	FC	
AIRFLOW, cfm	775	75	
ESP, in. wc.	0.9"	0.1"	
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 DBWB	87 / 72	87 / 72
	WINTER OA DB	0	0
	SUMMER SA DBWB	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-FH-HZ	208/1/60	120/1/60
	DISC SWITCH	DW 26	DW 26
	UNIT FLA	DW 26	DW 26
	S & R SMOKE DETECTORS	NO	NO
		1.2	

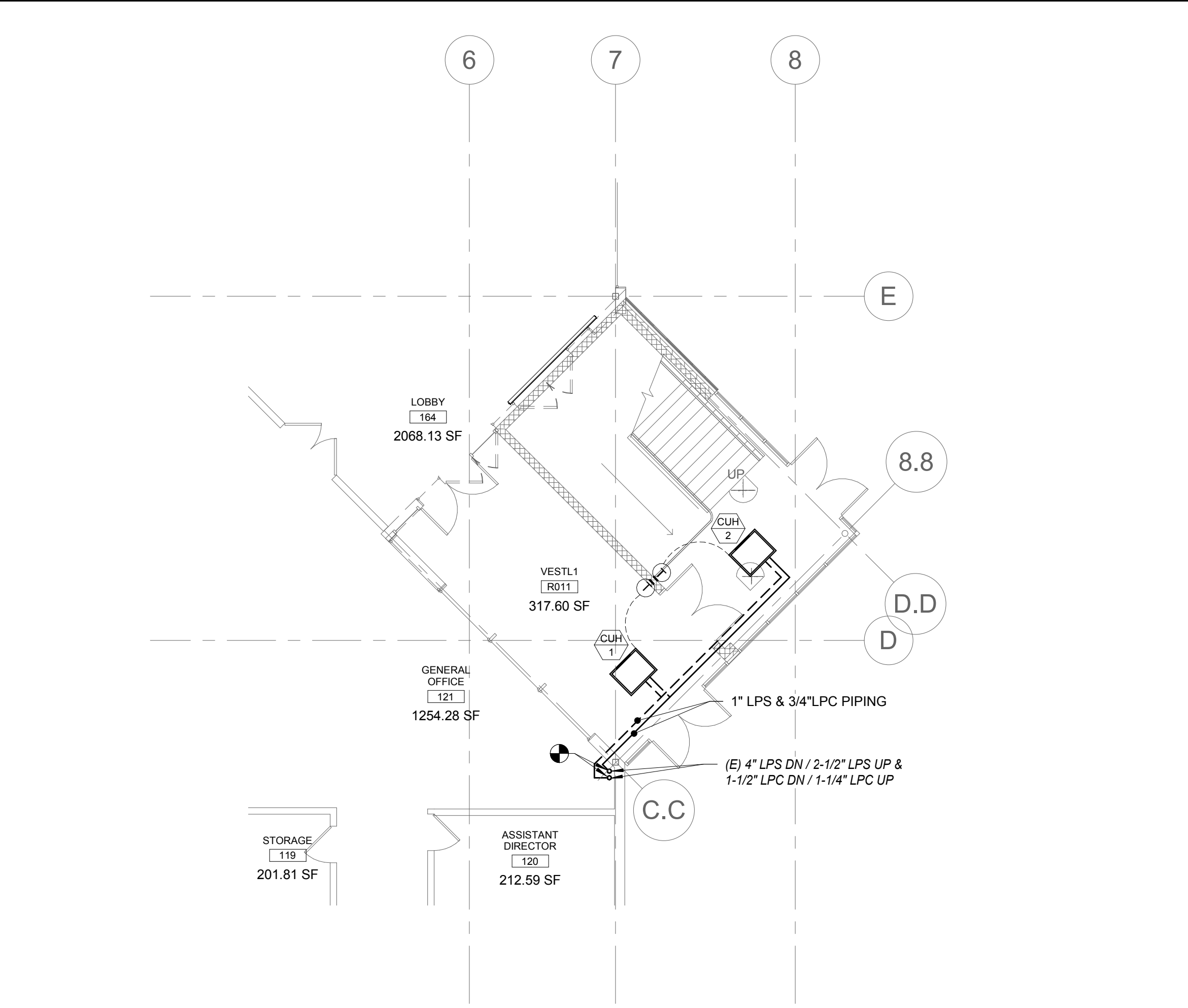
Notes:
 1. Provide ECM motor as specified.
 2. Provide factory isolation damper at O/AEA as specified.

MULTI - SPLIT A/C UNIT SCHEDULE

INDOOR UNITS	HP-1
ARRANGEMENT	HORIZONTAL DUCTED
COOLING BTUH	11,500
HEATING BTUH @ 47F	13,600
HEATING BTUH @ -5F	9,000
MTSUBISHI 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 dBA
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
MTSUBISHI 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
MCP	
SOUND dBA - HIGH	51dBA
DIMENSIONS (H x W x D)	21'-5/8" x 31'-1/2" x 11'-1/4"
WEIGHT, LBS.	83

NOTES:
 1. POWER TO CUS 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"

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CASCO BAY HIGH SCHOOL - RENOVATIONS
 196 Allen Avenue
 Portland, ME

No. | Date | Description
 Revision Schedule

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

JOB NO.
 17056

DRWN. CHK
 Checker

SCALE:

ISSUE
 Permitting Set
 19 February 2018

TITLE
 MECHANICAL
 PLAN

SHEET
M-100