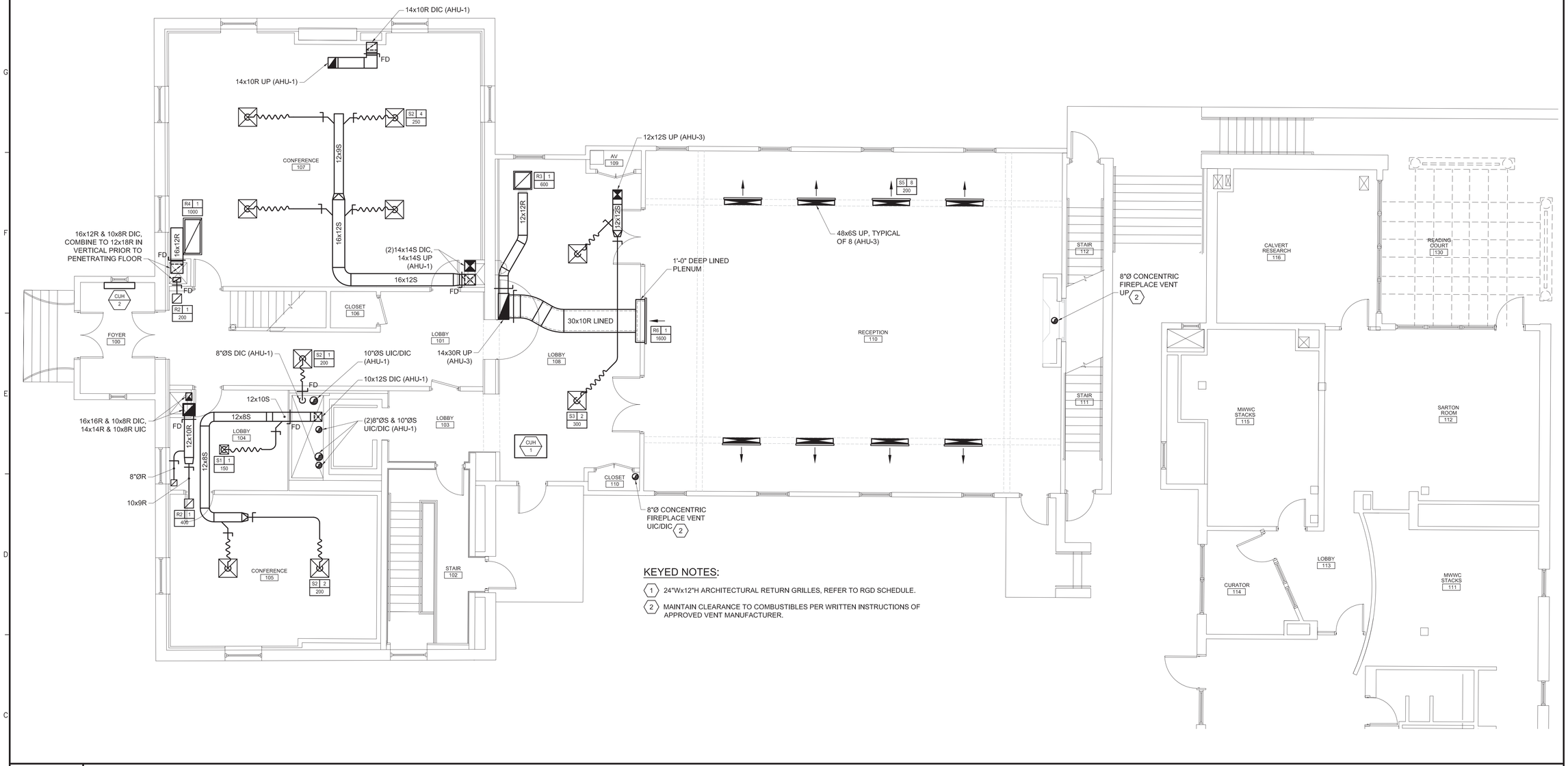

KEYED NOTES:

1. 24"Wx12"H ARCHITECTURAL RETURN GRILLES, REFER TO RGD SCHEDULE.
2. MAINTAIN CLEARANCE TO COMBUSTIBLES PER WRITTEN INSTRUCTIONS OF APPROVED VENT MANUFACTURER.

C1 | MECHANICAL PLAN ~ FIRST FLOOR

3/16" = 1'-0"

PUMP SCHEDULE

TAG	SYSTEM	MFR.	MODEL	SUCT X DISCH	TYPE	PUMPED FLUID	PERFORMANCE				ELECTRICAL				ECTRICAL COORDINATI		
							GPM	HEAD	RPM	NPSH	BHP	NOL HP	MOTOR HP	VOLTS/PH (60 Hz.)	VFD FURN. BY	DISC. SWITCH FURN BY	NOTES
P-1	HEATING	TACO	1900 VFD	2 X 2	VERTICAL IN LINE	30% PG	35	50	1750	---	0.78	1.08	1.5	208/3	INTEGRAL	DIV 26	
P-2	HEATING	TACO	1900 VFD	2 X 2	VERTICAL IN LINE	30% PG	35	50	1750	---	0.78	1.08	1.5	208/3	INTEGRAL	DIV 26	
P-3	COOLING	TACO	1900 VFD	2 X 2	VERTICAL IN LINE	30% PG	59	45	1750	---	1.6	1.8	2	208/3	INTEGRAL	DIV 26	
P-4	COOLING	TACO	1900 VFD	2 X 2	VERTICAL IN LINE	30% PG	59	45	1750	---	1.6	1.8	2	208/3	INTEGRAL	DIV 26	
P-5	RADIANT FLR	TACO	009IFC	3/4 x 3/4	INLINE	30% PG	2	15	3250	---	---	---	1/8	115/1	NA	DIV 26	

UNIT HEATER SCHEDULE

TAG	MFR. -MODEL	SIZE	LOCATION	TYPE	EXPOSED FACE WIDTH	EXPOSED FACE HEIGHT	DEPTH	WEIGHT	MBH	CFM	EAT (DEG.-F)	LAT (DEG.-F)	GPM	FLUID	EWT	LWT	MOTOR HP	ELECT	MAX WPD	PIPE RUNOUT SIZE	NOTES
CUH-1	TRANE FFE	200	LOBBY 105	RECESSED CEILING W/LOUVERS	2'-11 1/2"	2'-4"	10 3/8"	75 lbs	19.0	314	60	94.0	1.3	WATER	180.0	140.0	84W	120-1-60	7	3/4"	
CUH-2	TRANE FFJ	200	FOYER 100	VERTICAL WALL SLOPE TOP					40.0	314	60	94.0	2.8	WATER	180.0	140.0	84W	120-1-60	7	3/4"	
CUH-2	TRANE FFJ	200	STAIR 102	VERTICAL WALL SLOPE TOP					19.0	314	60	94.0	1.5	WATER	180.0	140.0	84W	120-1-60	7	3/4"	
UH-1	TRANE S	S-A18	MECH 001	HORIZONTAL UH	1'-4"	1'-6"	9.5"	30 lbs	13.5	210	60	90.0	1.9	WATER	180.0	140.0	16 W	120-1-60	3'	3/4"	
UH-2	TRANE S	S-A25	MECH 218	HORIZONTAL UH	1'-4"	1'-6"	9.5"	30 lbs	20.0	460	60	90.0	2.5	WATER	180.0	140.0	25 W	120-1-60	3'	3/4"	

NOTES:

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

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	12" X 12"	0-150	0.07"	16	SURFACE	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	520D	STEEL DOUBLE DEFL. SUPPLY REGISTER	10" X 6"	10" X 6"	181-240	0.10"	23	SURFACE MT.	ADJUSTABLE	
S-5	LV2	LINEAR VANE DIFFUSER	3" X 48"		200	0.10"	23	SURFACE MT.	ADJUSTABLE	
R-1	530	STEEL RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	8" X 8"	8" X 8"	0-170	0.05"	23	SURFACE MT.	----------	
R-2	530	STEEL RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	12" X 12"	12" X 12"	171-440	0.05"	27	SURFACE MT.	----------	
R-3	530	STEEL RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	22" X 22"	22" X 22"	551-940	0.02"	27	LAY-IN	----------	
R-4	530	STEEL RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	46" X 22"	46" X 22"	941-2000	0.02"	31	LAY-IN	----------	
R-5	530	STEEL RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	46" X 22"	46" X 22"	941-2000	0.02"	31	SURFACE MT.	----------	
R-6		ARCHITECTURAL GRILLE		60" X 36"	1600			SURFACE MT.		
R-	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	8" X 8"	8" X 8"	0-170	0.05"	23	SURFACE MT.	----------	
R-	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	12" X 12"	12" X 12"	171-440	0.05"	27	SURFACE MT.	----------	
R-	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	22" X 10"	22" X 10"	140-550	0.03"	27	LAY-IN	----------	

NOTE 1. BLOW DIRECTION AS SHOWN ON THE PLANS, 1-WAY, 2-WAY, 3-WAY, OR 4-WAY; TYPICAL 4-WAY SHOWN BELOW

A1 | MECHANICAL SCHEDULES

NONE

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Graphic Scale: 1" 1/2" 0 1"

STATE OF MAINE
IAN A. MACDONALD
No. 6990
LICENSED PROFESSIONAL ENGINEER

REVISIONS

No.	Description	Date

PERMIT SET

UNIVERSITY OF NEW ENGLAND
PORTLAND, MAINE

ALUMNI HALL RENOVATION

MECHANICAL PLAN ~ FIRST FLOOR

Project Number	14525
Date	May 1, 2015
Drawn by	REW
Checked by	HAG

MH1.2

Scale AS NOTED

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