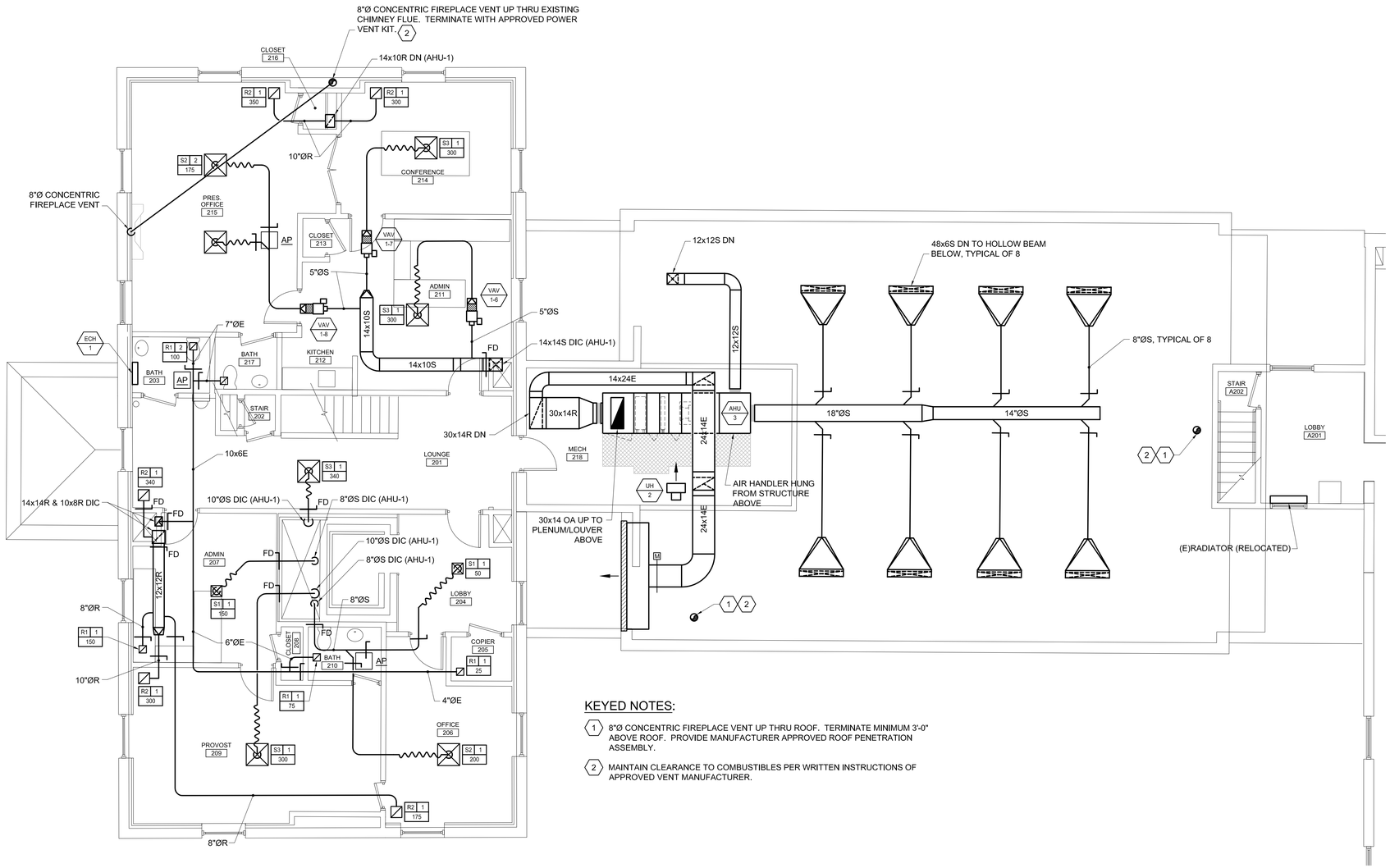

KEYED NOTES:

1. 8"Ø CONCENTRIC FIREPLACE VENT UP THRU ROOF. TERMINATE MINIMUM 3'-0" ABOVE ROOF. PROVIDE MANUFACTURER APPROVED ROOF PENETRATION ASSEMBLY.
2. MAINTAIN CLEARANCE TO COMBUSTIBLES PER WRITTEN INSTRUCTIONS OF APPROVED VENT MANUFACTURER.

C1 | MECHANICAL PLAN ~ SECOND FLOOR

3/16" = 1'-0"

CONVECTOR SCHEDULE

TAG	STERLING MODEL	STYLE	LENGTH	HEIGHT	DEPTH	MBH	GPM	MAX WPD	PIPE RUNOUT SIZE
CONV-1	SW-A	SLOPE WALL	40"	18"	4"	5.0	0.8	0.2	1/2"
CONV-2	SW-A	SLOPE WALL	40"	18"	4"	5.0	0.8	0.2	1/2"

NOTES:
BASE SIZING ON: 170 AWT, 30F TEMP DROP.

ELECTRIC CONVECTION HEATER SCHEDULE

TAG	SERVES	CHROMALOX MODEL	VOLTS	PHASE	WATTS	AMPS	BTUH	WEIGHT (LBS.)	NOTES
ECH-1	BATH 203	CAF-20215	208	1	1500	7.2	5118	32	Integral T-Stat

SINGLE DUCT AIR TERMINAL SCHEDULE

TAG	SERVES	Trane Model No.	INLET SIZE	CFM MIN	RANGE MAX	OUTLET SIZE	MAX RAD. & DISCH. NC	A .P. D . AT MAX COOLING	MBH	GPM	MAX WPD	EWT	LWT	EAT	LAT	ROWS	RUNOUT SIZE
VAV 1-1	MECH 001	VCWF05	5	151	200	10"x 8"	30	0.17"	7.6	0.5	0.3'	180	150	55	90	2	1/2"
VAV 1-2	CONFERENCE 108	VCWF10	10	851	1,000	14"x12"	30	0.34"	37.8	3.0	2.2'	180	155	55	90	2	1"
VAV 1-3	LOBBY 101	VCWF05	5	151	200	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-4	LOBBY 104/CONFERENCE 105	VCWF08	8	351	600	11"x 10"	30	0.34"	22.7	2.3	2.3'	180	160	55	90	2	3/4"
VAV 1-5	LOUNGE 201	VCWF05	5	151	340	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-6	ADMIN 211	VCWF05	5	151	300	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-7	CONFERENCE 214	VCWF05	5	151	300	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-8	PRESIDENT 215	VCWF05	5	151	350	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-9	ADMIN 207	VCWF04	4	100	150	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-10	PROVOST 209	VCWF05	5	151	300	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV 1-11	OFFICE 206 / LOBBY 204	VCWF05	5	151	200	10"x 8"	30	0.17"	11.3	0.8	0.3'	180	150	55	90	2	1/2"
VAV R-1	AHU -2 RETURN TO ERU	VCWF08	8	351	500	11"x 10"	30	0.34"	---	---	---	---	---	---	---	---	---
VAV R-2	MEN 006 WOMEN 007	VCWF10	10	500	700	14"x12"	30	0.34"	---	---	---	---	---	---	---	---	---
VAV R-3	AHU -1 RETURN TO ERU	VCWF08	8	351	500	11"x 10"	30	0.34"	---	---	---	---	---	---	---	---	---

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.

A1 | MECHANICAL SCHEDULES

NONE

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ALLIED PROJECT No: 14088
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 ~ SECOND FLOOR

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

M3

Scale AS NOTED

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