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UNIVERSITY OF SOUTHERN MAINE

SCIENCE BUILDING
C300 CHEMISTRY LAB

96 Falmouth Street, Portland, Maine
04101

NO.	DESCRIPTION	DATE

CONTENT:	
MECHANICAL PARTIAL PLAN - THIRD FLOOR PIPING	
DRAWN BY:	SGH
PROJECT NO.:	15049
DATE:	JULY 21, 2015
REVISED:	
SCALE:	AS NOTED
MP1.1	
Project Phase	
MECHANICAL PARTIAL PLAN	
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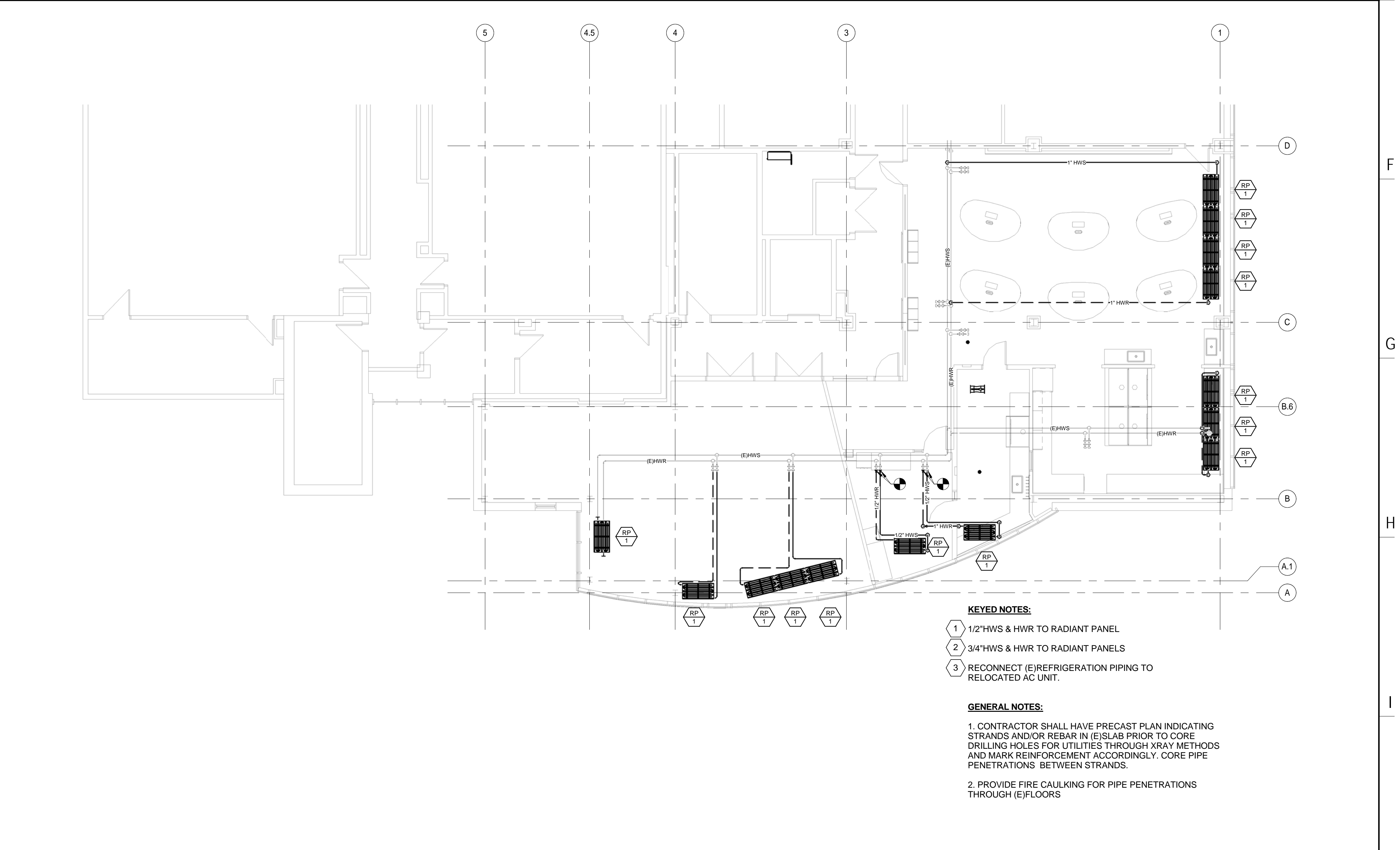
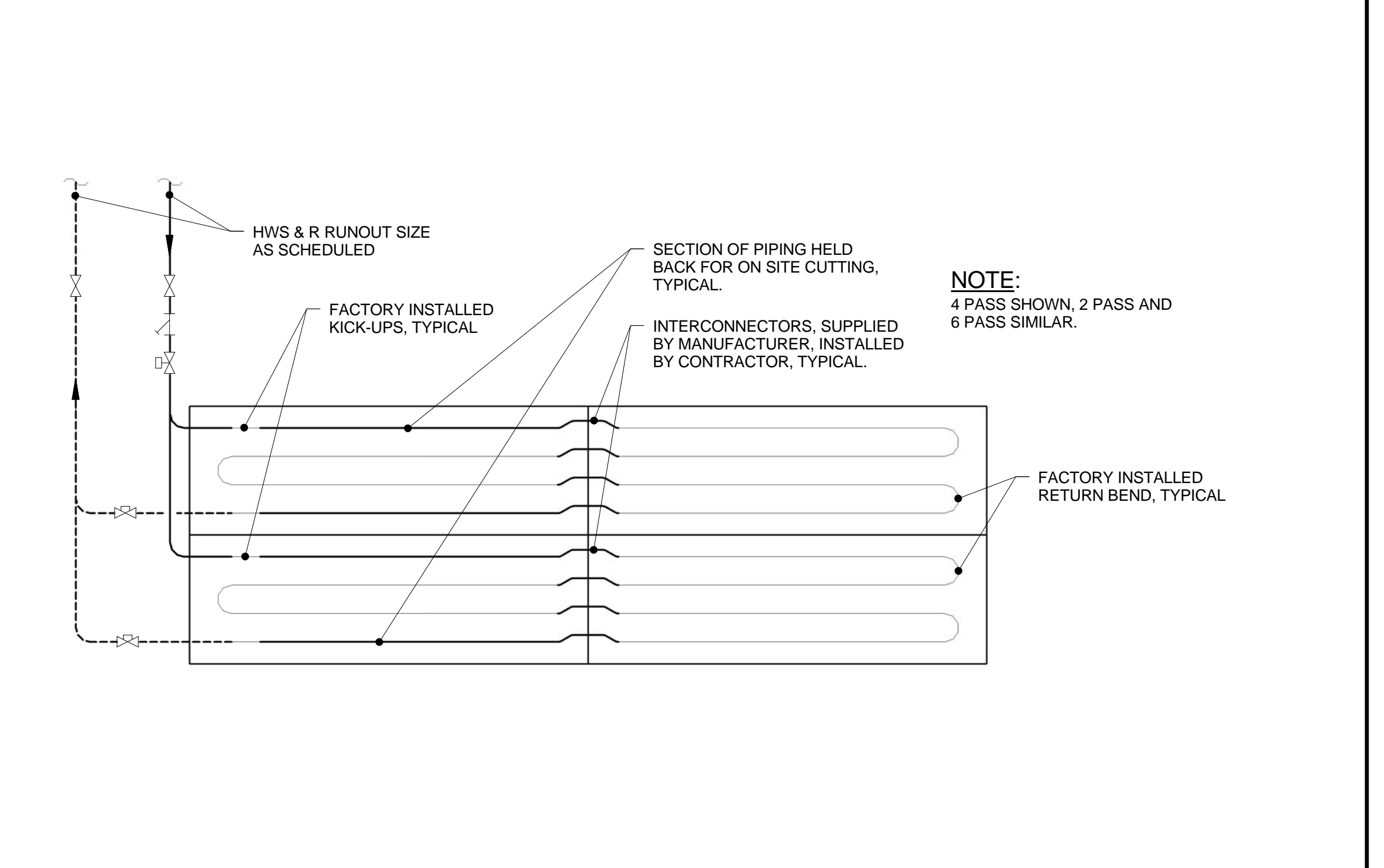
AIR TERMINAL UNIT SCHEDULE - STANDARD AND LAB VALVES																											
AIR VALVES - SECTION 230985						DUCT HW COILS - SECTION 238216																					
TAG	SERVES	MFR	MODEL	MATERIAL	VALVE (QTY) SIZE	CFM MIN	RANGE MAX	NOMINAL OUTLET SIZE	MAX RAD. & DISCH. NC	MAX APD AT MAX. COOLING	DUCT HW COIL TAG	MANUFACTURER	COIL WIDTH (IN.)	COIL HEIGHT (IN.)	FACE VEL (FPM)	MBH	GPM	FLUID	MAX WPD	EWT	LWT	EAT	LAT	ROWS	RUNOUT SIZE		
LAB																											
SAV-1	LAB SUPPLY	TRIAITEK	VV-3-12-A-I-FA-PC	ALUMINUM	(3) 12"	2,622	3,050	27"x27"	30	0.30"		TRANE	40	21	523	82.4	5.5	30% PG	3'	180	150	55	80	2	1-1/4"		
EAV-1A	LAB GEN EXH	TRIAITEK	VV-3-10-A-N-FA-PC	ALUMINUM	(3) 10"	0	1,650	27"x27"	30	0.30"																	
EAV-1B	FH-1	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280	280	8"	30	0.30"																	
EAV-1C	FH-2	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280	280	8"	30	0.30"																	
EAV-1D	FH-3	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280	280	8"	30	0.30"																	
EAV-1E	FH-4	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280	280	8"	30	0.30"																	
EAV-1F	FH-6 FUTURE	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280	280	8"	30	0.30"																	
EAV-1G	FH-7 FUTURE	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280	280	8"	30	0.30"																	
PREP																											
SAV-2	PREP SUPPLY	TRIAITEK	VV-0-8-A-I-FA-PC	ALUMINUM	(1) 8"	250	200					TRANE	12	9	267	7.6	0.5	30% PG	3'	180	150	55	90	2	1-1/4"		
EAV-2A	PREP GEN EXH	TRIAITEK	VV-0-8-A-N-FA-PC	ALUMINUM	(1) 8"	200	150																				
EAV-2B	FH-5	TRIAITEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	225	225	8"	30	0.30"																	
OFFICE																											
SAV-3	OFFICE SUPPLY	TRANE					225					TRANE	12	9	300	8.5	0.6	30% PG	3'	180	150	55	90	2	1-1/4"		
ALTERNATE																											
SAV-4A	COLLABORATIVE SUPPLY	TRANE			10"		700																				
SAV-4B	OFFICES SUPPLY	TRANE			8"		330																				
EAV-4	STORAGE GEN EXH	TRANE			10"		900																				

RADIANT PANEL SCHEDULE (HOT WATER)													
TAG	TYPE	PANELS IN SERIES	TUBING SIZE	No. OF PASSES	BTUH	MEAN WATER TEMP	FLUID	GPM	MAX PRESS. DROP	PANEL WIDTH	OVERALL PANEL LENGTH	PIPE RUNOUT SIZE	INSULATION
RP-1	48X24 MODULAR RADIANT	4	5/8"	6	4,960	155	30% PG	1.3	2 FT.	24"	192"	3/4"	1"

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	FRFDA	FLUSH FACE RADIAL FLOW ADJUSTABLE DIFFUSER	10" DIA	24"x48"	400 - 550	0.13"	30	LAY-IN	2-WAY, FULL RADIAL, ADJ.	
S-2	FRFDA	FLUSH FACE RADIAL FLOW ADJUSTABLE DIFFUSER	12" DIA	24"x48"	551 - 600	0.09"	28	LAY-IN	2-WAY, FULL RADIAL, ADJ.	
R-1	530	STEEL RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	22"x10"	22"x10"	140-550	0.03"	27	LAY-IN		
R-2	510Z	STEEL RETURN GRILLE, 3/4" SPACING, 0 DEG VANES	22"x22"	22"x22"	851-1900	0.05"	22	LAY-IN		

E1	MECHANICAL SCHEDULES
NONE	

G1	NOT USED
NONE	



J1	DETAIL - HW RADIANT CEILING PANEL	J6	MECHANICAL - PART PLAN - THIRD FLOOR - PIPING
NONE		1/8" = 1'-0"	

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