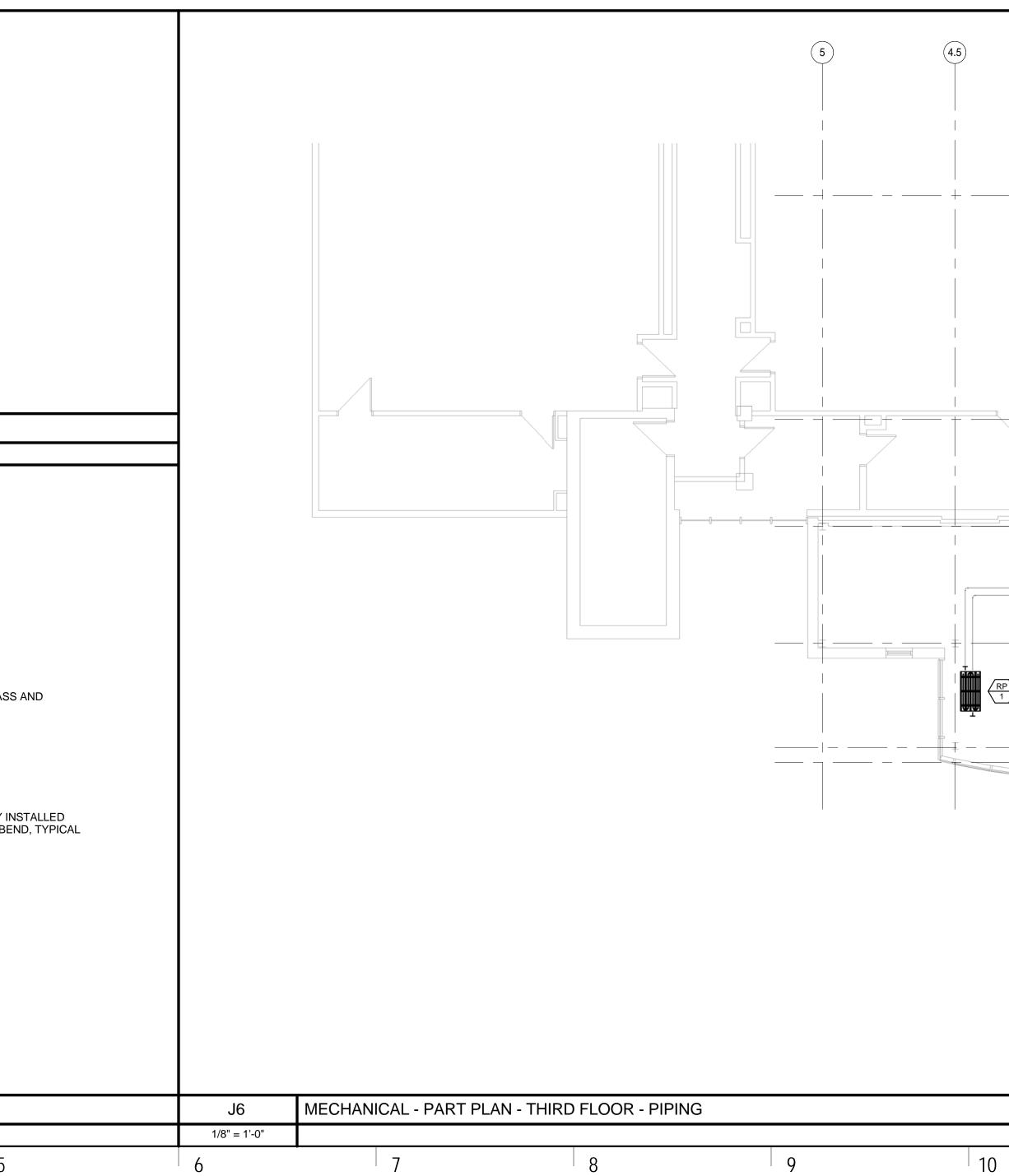
							IINAL UNI	T SCHED	OULE - ST		RD AND LAB VAL	/ES									
			AIR VALVES - SE	CTION 23099	5		1	and the second second	1				ļ	рист ни І	/ COILS	- SECTI	ON 23821	6			
TAG	SERVES	MFR	MODEL	MATERIAL	VALVE (QTY), SIZE	CFM RANGI MIN MAX	NOMINAL OUTLET SIZE	MAX RAD. & DISCH. NC	MAX APD AT MAX. COOLING		MANUFACTURER	COIL WIDTH (IN.)	COIL HEIGHT (IN.)	FACE VEL (FPM)	MBH	GPM	FLUID	MAX WPD	EWT	LWT	EA
LAB SAV-1 EAV-1A	LAB SUPPLY LAB GEN EXH	TRIATEK TRIATEK	VV-3-12-A-I-FA-PC VV-3-10-A-N-FA-PC	ALUMINUM ALUMINUM		2,622 3,050 0 1,650		30 30	0.30" 0.30"		TRANE	40	21	523	82.4	5.5	 30% PG 	3'	 180	150	 55
EAV-1B EAV-1C EAV-1D	FH-1 FH-2 FH-3	TRIATEK TRIATEK TRIATEK	VV-0-8-H-N-FA-PC VV-0-8-H-N-FA-PC VV-0-8-H-N-FA-PC	HERESITE HERESITE HERESITE	(1) 8"	280280280280280280	8" 8" 8"	30 30 30	0.30" 0.30" 0.30"									·			
EAV-1E	FH-4 FH-6 FUTURE	TRIATEK TRIATEK	VV-0-8-H-N-FA-PC VV-0-8-H-N-FA-PC	HERESITE HERESITE	(1) 8" (1) 8"	280 280 280 280	8" 8"	30 30	0.30" 0.30"												
EAV-1G	FH-7 FUTURE	TRIATEK	VV-0-8-H-N-FA-PC	HERESITE	(1) 8"	280 280	8"	30	0.30"												
SAV-2 EAV-2A EAV-2B	PREP SUPPLY PREP GEN EXH FH-5	TRIATEK TRIATEK TRIATEK	VV-0-8-A-I-FA-PC VV-0-8-A-N-FA-PC VV-0-8-H-N-FA-PC	ALUMINUM ALUMINUM HERESITE	(1) 8"	250200200150225225	8"	30	0.30"		TRANE	12 	9	267 	7.6	0.5	30% PG	3' 	180 		
OFFICE					(1)0		-		0.00						-						
SAV-3	OFFICE SUPPLY	TRANE				225					TRANE	12	9	300	8.5	0.6	30% PG	3	180	150	55
SAV-4B	COLLABORATIVE SUPPLY OFFICES SUPPLY	TRANE			10" 8"	700															
EAV-4	STORAGE GEN EXH	TRANE			10"	900															
NOTE:	PROVIDE ACOUSTICAL INS				EEP NO	LEVELS AT 30 C	R BELOW														
NOTE.							N DELOW.														
		PANEL			LSCH	HEDULE (H	DT WATE				OVERALL PIPE										
TAG RP-1	48X24 MODULAR RADIA			ASSES	3TUH 4,960	WATER F TEMP		PM PR D	ROP		PANEL RUNOUT LENGTH SIZE	INSULA									
KF-1	40A24 WODOLAN NADIA		510	0 -	1 ,300	100 00		.5 2	11. 2	24	192 3/4	1	°								
		REGIST	ERS - GRILLES - D		MAX																
	TY		SIZE SI	CE CFM ZE RANGE	(IN.W.	C.)		BLC	DW RADIAL, ADJ.	NOTES											
S-2 FRF	FDA FLUSH FACE RADIAL FLO	N ADJUSTABLE D	IFFUSER 12" DIA 24"	x48" 551 - 600	0 0.09	" 28	LAY-IN 2	-WAY, FULL	Radial, adj.												
	30 STEEL RETURN GRILLE, 3/4 10Z STEEL RETURN GRILLE, 3/						LAY-IN LAY-IN														
										1											
E1	MECHANICAL SCHE																				
NONE		DULES																			
NONE G1 NONE	NOT USED	OUT SIZE																			
G1 NONE	NOT USED	OUT SIZE	D D D D D D D D D D D D D D D D D D D	K FOR ON SITE	E CUTTING RS, SUPPL R, INSTAL	4 PASS IED 6 PASS	SHOWN, 2 PAS SIMILAR. — FACTORY	S AND													
G1 NONE	NOT USED	OUT SIZE ED CTORY INSTALLEE K-UPS, TYPICAL	BAC TYPI BY M BY C	< FOR ON SITE CAL. RCONNECTOR IANUFACTURE	E CUTTING RS, SUPPL R, INSTAL	4 PASS IED 6 PASS	SHOWN, 2 PAS SIMILAR. — FACTORY	NSTALLED			J6						DOR - PI				

דוו	SCHED	ULE - ST/	ANDAR		/ES												
			DUCT HW COILS - SECTION 238216														
λL Τ	MAX RAD. & DISCH. NC	MAX APD AT MAX. COOLING	DUCT HW COIL TAG	MANUFACTURER	COIL WIDTH (IN.)	COIL HEIGHT (IN.)	FACE VEL (FPM)	МВН	GPM	FLUID	MAX WPD	EWT	LWT	EAT	LAT	ROWS	RUNOUT SIZE
						1											
	30	0.30"		TRANE	40	21	523	82.4	5.5	30% PG	3'	180	150	55	80	2	1-1/4"
"	30	0.30"					The second se							1000000		(<u></u>	3
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	30	0.30"					1										
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	30	0.30"		j.													
							1										
				TRANE	12	9	267	7.6	0.5	30% PG	3'	180	150	55	90	2	1-1/4"
	30	0.30"															
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				TRANE	12	9	300	8.5	0.6	30% PG	3'	180	150	55	90	2	1-1/4"
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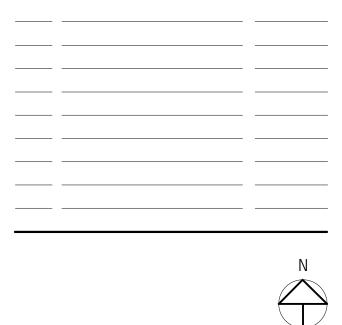


		ROOM PRESS	URE BALANCE		
		nputs	Outputs		
	Exhaust Volume Requirements Fume Hood Exhaust Minimum: Fume Hood Exhaust Maximum:	120 CFM 600 CFM	ACH Rate= 1,12 Minimum Total Supply = 1,12		
	Additional Exhaust Minimum: Additional Exhaust Maximum:	360 CFM -BSC 360 CFM -BSC	Maximum Total Supply = 1,12 Maximum Total Supply = 2,15 Minimum Total Exhaust = 1,42	0 CFM	
	Design Requirements	room = 934 SI	Maximum Total Exhaust = 2,45 General Exh at Min. Supply and Fume Hd Exh. = 1,30	D CFM D CFM	
	Room Volume: Air Changes Per Hour (ACH): Minimum Supply Cooling Volume:	8,403 CUBIC FEET 8 0 CFM	General Exh at Max. Supply and Fume Hd Exh. = 1,85 Minimum General Exhaust = 460 Maximum General Exhaust = 1,97	CFM	
	Maximum Supply Cooling Volume:	2,150 CFM	Design Infiltration (Offset): 300		
	4	3			
				D	
			1" HWS	RP	
		(E)HMS		RP 1	
				RP 1	
				C	
\bigvee					
				B.6	
			(E)HWS (E)HWR (E)HWR	(RP) 1	
(E)HWR (E)HWS				
_				— — (B)	
>		1/2" HWS RP			
			RP 1	(A.1)	
			<u>KEYED NOTES:</u>	- — — A	
	$\begin{array}{c} \begin{array}{c} RP \\ 1 \end{array} \end{array} \begin{array}{c} \begin{array}{c} RP \\ 1 \end{array} \end{array} \begin{array}{c} \\ \end{array} \end{array}$	$\langle 1 \rangle$	1/2"HWS & HWR TO RADIANT PANEL		
			3/4"HWS & HWR TO RADIANT PANELS		
		3	RECONNECT (E)REFRIGERATION PIPING TO RELOCATED AC UNIT.		
			GENERAL NOTES:		
			1. CONTRACTOR SHALL HAVE PRECAST PLAN INDICATING STRANDS AND/OR REBAR IN (E)SLAB PRIOR TO CORE DRILLING HOLES FOR UTILITIES THROUGH XRAY METHODS		
			AND MARK REINFORCEMENT ACCORDINGLY. CORE PIPE PENETRATIONS BETWEEN STRANDS.		
			2. PROVIDE FIRE CAULKING FOR PIPE PENETRATIONS THROUGH (E)FLOORS		

ROOM PRESSURE BALANCE

2. PROVIDE FIRE CAULKING FOR PIPE PENETRATIONS THROUGH (E)FLOORS

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	
PERMIT SET	
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SCIENCE BUILDING C300 CHEMISTRY LAB

96 Falmouth Street, Portland, Maine 04101

DESCRIPTION

DATE

NO.

UNIVERSITY OF SOUTHERN MAINE

