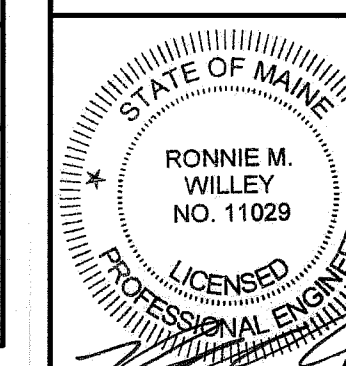
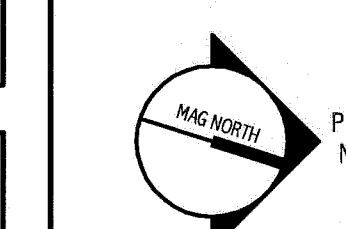
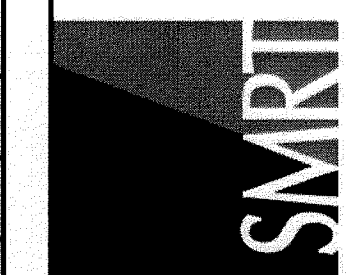


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ARCHITECTURE
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UNIVERSITY OF SOUTHERN MAINE
 SIMULATION LABORATORY
 PORTLAND, MAINE

ISSUED FOR BIDDING & CONSTRUCTION
 4-15-11

CURRENT ISSUE STATUS:

REGISTER, DIFFUSER & GRILLE SCHEDULE							
TAG	CFM	NECK SIZE (IN.)	TYPE	ΔP (IN. W.G.)	MAX NC	TYPICAL UNIT MODEL NO.	MFG & NOTES
S-1	45-150	6x6	SQUARE PLAQUE DIFFUSER	0.15	26	PRICE AMCD 12x12 LAY-IN MODULE	1,2
R-1	50-125	6x6	PERFORATED RETURN GRILLE	0.04	<20	PRICE PDDR 12x12 LAY-IN MODULE	2
R-2	130-260	8x8	PERFORATED RETURN GRILLE	0.08	<20	PRICE PDDR 24x24 LAY-IN MODULE	2

NOTES:
 1. ALUMINUM CONSTRUCTION.
 2. PROVIDE MOUNTING PANEL FOR LAY-IN CEILING, UNLESS OTHERWISE STATED ON THE DRAWINGS.
 3. MOUNT LOW ON WALL PER 797 SPECIFICATIONS.

LOUVER SCHEDULE								
TAG	LOCATION	SERVICE	FREE AREA (FT²)	CFM	SP (IN WG)	SIZE W&H (IN)	TYPICAL UNIT MFG. & MODEL NO.	NOTES
L-1	WALL MOUNTED	EF-1	0.2	100	0.02	16 1/2 X 7 3/4	COOK BRICK VENT MODEL BV5	1

NOTES: 1. PROVIDE ALUMINUM BIRD SCREEN

FIN TUBE SCHEDULE												
TAG	BTU/FT.	GPM	TUBE SIZE	FINS / FT.	EWT °F	LWT °F	ENCLOSURE				TYPICAL UNIT MFG & MODEL NO.	NOTES:
							H	D	MOUNT H	STYLE		
FT-1	850	0.6	3/4"	40	190	170	14"	*	*	WALL MOUNTED	STERLING C3/4.434	1

NOTES: 1. MATCH EXISTING FIN TUBE STYLE, FINISH - PRIME COATING FOR FIELD PAINTING

REHEAT COIL SCHEDULE													
TAG	LOCATION	AIR DATA				WATER DATA				MFG SIZE HxL (IN.)	ROWS	NOTES:	
		CFM	TEMP °F		MAX APD (IN WC)	MIN MBH	GPM	TEMP °F					MAX WPD (FT. HD)
			ENT	LVG									
RH-1	DUCTED	300	60	92	0.08	10.44	1.04	190	170	0.14	10X9	1	*

NOTES: 1.

VARIABLE REFRIGERENT FLOW SCHEDULE											
INDOOR SECTION TAG	OUTDOOR SECTION TAG	TYPE	SERVES	INDOOR SECTION						INDOOR SECTION MODEL NO.	NOTES:
				COOLING TOTAL BTUH	COOLING SENSIBLE BTUH	CFM (DRY) HI-SPEED	FAN KW	MCA	V/PH/Hz		
VRF-1	ACC-1	CEILING RECESSED	140 PATIENT/EXAM ROOM	7950	6999	350	0.05	0.29	208/1/60	mitsubishi PLFY-P08NCMU-E	1,4
VRF-2	ACC-1	CEILING RECESSED	141 CONTROL ROOM	7950	6999	350	0.05	0.29	208/1/60	mitsubishi PLFY-P08NCMU-E	1,4
VRF-3	ACC-1	CEILING RECESSED	143 SIMULATION ROOM	7950	6999	350	0.05	0.29	208/1/60	mitsubishi PLFY-P08NCMU-E	1,4
VRF-4	ACC-1	CEILING RECESSED	144 LAB MANAGER	7950	6999	350	0.05	0.29	208/1/60	mitsubishi PLFY-P08NCMU-E	1,4
VRF-5	ACC-1	WALL MOUNTED	145 NURSE STATION	5963	4519	208	0.03	0.19	208/1/60	mitsubishi PKFY-P06NBMU-E	3
VRF-6	ACC-1	WALL MOUNTED	147 MEDS	5963	4519	208	0.03	0.19	208/1/60	mitsubishi PKFY-P06NBMU-E	1,3
VRF-7	ACC-1	CEILING RECESSED	151 SIMULATION ROOM	7950	6999	350	0.05	0.29	208/1/60	mitsubishi PLFY-P08NCMU-E	1,4
VRF-8	ACC-1	CEILING RECESSED	152 CONTROL ROOM	14907	10449	390	0.06	0.35	208/1/60	mitsubishi PLFY-P15NCMU-E	1,4
VRF-9	ACC-1	CEILING RECESSED	153 SIMULATION ROOM	7950	6999	350	0.05	0.29	208/1/60	mitsubishi PLFY-P08NCMU-E	1,4
VRF-10	ACC-1	CEILING RECESSED	303 DEBRIEFING	14907	10720	565	0.04	0.36	208/1/60	mitsubishi PLFY-P15NBMU-E	1,2,4
VRF-11	ACC-1	CEILING RECESSED	305 FUNDAMENTALS	14907	10720	565	0.04	0.36	208/1/60	mitsubishi PLFY-P15NBMU-E	1,2,5
VRF-12	ACC-1	CEILING RECESSED	305 FUNDAMENTALS	14907	10720	565	0.04	0.36	208/1/60	mitsubishi PLFY-P15NBMU-E	1,2,4
VRF-13	ACC-1	CEILING RECESSED	311 POLYCOM	17889	12989	636	0.05	0.45	208/1/60	mitsubishi PLFY-P18NBMU-E	1,2,4

NOTES:
 1. MITSUBISHI TO PROVIDE CONDENSATE PUMP FOR EACH CEILING RECESSED UNIT.
 2. PART OF ALTERNATE
 3. FOR ALL WALL MOUNTED VRF INDOOR UNITS, PROVIDE ASPEN CONDENSATE PUMP MODEL MINI BLANC.
 4. FOUR WAY THROW
 5. THREE WAY THROW

AIR COOLED CONDENSER UNIT SCHEDULE														
TAG	LOCATION	SERVES	NOMINAL TONS	AIRFLOW	SOUND PRESSURE LEVEL (dB)	ELECTRICAL DATA				NET WEIGHT (LBS.)	TYPICAL UNIT MFG & MODEL NO.	NOTES:		
						FAN		COMPRESSOR					VOLT/Ø	MCA
						NO.	kw	QTY	kw					
ACC-1	ROOF	VRF INDOOR UNITS	14	14100	61	2	1-0.92 2-0.92	2	1-5.1 2-6.8	208/3	1-23/21 2-35/32	900	mitsubishi PUHY-P168TSJMU-A-BS	1

NOTES: 1. PROVIDE RUBBER IN SHEAR ISOLATORS FOR VIBRATION ISOLATION TO BE FIELD MOUNTED BETWEEN UNIT AND WOOD SLEEPERS.

FAN SCHEDULE													
TAG	LOCATION	SERVICE	TYPE	CFM	SP IN W.G.	GRILLE SIZE		RPM	ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	NOTES:
						WIDTH	LENGTH		BHP / HP	VOLTS	PH		
EF-1	CEILING	142 MED GAS CLOSET	CENTRIFUGAL	100	0.5	14-1/4"	13-1/4"	1039	88 WATTS	120	1	COOK GC164	1,2,3

NOTES: 1. BACKDRAFT DAMPER. 2. SPEED CONTROL BY VENDOR. 3. PROVIDE WALL BRICK VENT. VERIFY WITH ARCHITECT/ENGINEER BEFORE INSTALLATION.

VACUUM SYSTEM SCHEDULE														
TAG	LOCATION	SERVES	RATING		CONNECTIONS (IN)		WEIGHT (LBS)	ELECTRICAL				TYPICAL UNIT MFG & MODEL NO.	NOTES:	
			FLOW (CFM)	VACUUM (IN HgV)	INLET	OUTLET		HP	RPM	V	Ø			Hz
VP-1	PENTHOUSE	1ST FLOOR	5	19	3/4	3/4	50	1/2	1750	115	1	60	AIRTECH MODEL CSCS-KRF15-1TANV	1

NOTES:
 1. PROVIDE 30 GALLON RECIEVER WITH MANUAL TANK DRAIN-VERTICAL CONFIGURATION.
 2. RELOCATE EXISTING VACUUM PUMP IN BASEMENT TO PENTHOUSE. MOUNT ON WALL ABOVE NEW VACUUM PUMP. EXISTING VACUUM PUMP TO SERVE 3RD FLOOR LAB.

GRAPHIC SCALE: 0" 1"

SCALE: NOT TO SCALE

PROJECT MANAGER: SLB
 JC/DRAWN BY: BAL
 A/E OF RECORD: RMW
 CAD FILE: M-601-10150
 PROJECT NO: 10150-00
 DATE: 4-15-11
 SHEET TITLE: SCHEDULES

SHEET No. M-601