AIR HANDLER SCHEDULE (AHU)

TAG	DESCRIPTION	COMPONENT	TOTAL CFM	OUTSIDE AIR CFM	FAN DATA SP TOTAL	FAN DATA SP Ext	FAN DATA TYPE	FAN DATA VOLUME CONTROL	FAN MOTOR DATA HP	FAN MOTOR DATA RPM	FAN MOTOR DATA V	FAN MOTOR DATA PH	FAN MOTOR DATA HZ	COIL DATA TYPE	COIL DATA FACE VEL	COIL DATA TOTAL MBH	COIL DATA SENS MBH	COIL DATA EDB °F	COIL DATA EWB °F	COIL DATA LDB °F	COIL DATA LWB °F	COIL DATA EWT °F	COIL DATA LWT °F	COIL DATA GPM	COIL DATA WPD (ft)	COIL DATA STM LBS/HR	COIL DATA STM PSI	HUMIDIFIER DATA EDB °F	HUMIDIFIER DATA EA RH%	HUMIDIFIER DATA LDB °F	HUMIDIFIER DATA LA RH%	HUMIDIFIER DATA STM LBS/HR	HUMIDIFIER DATA STM PSI	FILTER DATA TYPE	FILTER DATA EFF %	FILTER DATA FACE VEL	FILTER DATA INITIAL APD	FILTER DATA FINAL APD	CABINET DATA CONSTRUCTION	REMARKS	BASED ON MFR/MODEL
AHU-042	VAV	RETURN FAN	5570		2.75	2.0	AF	VFD	7.5	1800	460	3	60																										WELDED	NOTES 1, 3-9, 11, 13	YORK
	MODULAR	ECONOMIZER	6940																																				FRAME, DBL.	NOTES 1, 3, 8, 9, 11	SOLUTION
	DRAW-THRU	AIR BLENDER	6940																																				WALL, FOAM	NOTES 1, 3, 8, 13	
	ROOFTOP	FILTER	6940																														PLEATED	30	500	.3	.5		NOTES 1, 3, 8, 10	
	UNIT	HEATING COIL	6940	2085										STEAM	500	266		48		83						300	5											PANEL, WITH	NOTES 1-3, 8	
		HUMIDIFIER	6940	2085																								55	30	55	60	87	5						THERMAL	NOTES 1, 3, 8, 13	
		COOLING COIL	6940	2085										CHW	500	256	186	79	66	55	54	44	54	53.1	10.8													BREAKS AND	NOTES 1-3, 8	
		SUPPLY FAN	6940	2085	6.5	3	AF	VFD	20	1800	460	3	60																									MEMBRANE	NOTES 1, 3-9, 11, 13	
		DIFFUSER																																						NOTES 1, 3, 8, 13	
		FILTER																															RIGID	90-95	500	.6	1		NOTES 1, 3, 8, 10	
		PLENUM																																						NOTES 1, 3, 8, 11, 13	
AHU-085	VAV	RETURN FAN	5725		2.25	1.5	AF	VFD	5	1800	460	3	60																										WELDED	NOTES 1, 3-9, 11, 13	YORK
	MODULAR	ECONOMIZER	7245																																				FRAME, DBL.	NOTES 1, 3, 8, 9, 11	SOLUTION
	DRAW-THRU	AIR BLENDER	7245																																				WALL, FOAM	NOTES 1, 3, 8, 13	
	ROOFTOP	FILTER	7245																														PLEATED	30	500	.3	.5		NOTES 1, 3, 8, 10	
	UNIT	HEATING COIL	7245	2175										STEAM	500	283		48		83						319	5											PANEL, WITH	NOTES 1-3, 8	
		HUMIDIFIER	7245	2175																								55	30	55	60	90	5						THERMAL	NOTES 1, 3, 8, 13	
		COOLING COIL	7245	2175										CHW	500	271	196	79	66	55	54	44	54	53.9	10.4													BREAKS AND	NOTES 1-3, 8	
		SUPPLY FAN	7245	2175	6	2.5	AF	VFD	15	1800	460	3	60																									MEMBRANE	NOTES 1, 3-9, 11, 13	
		DIFFUSER																																						NOTES 1, 3, 8, 13	
		FILTER																															RIGID	90-95	500	.6	1		NOTES 1, 3, 8, 10	
		PLENUM																																						NOTES 1, 3, 8, 11, 13	

NOTES:
1. STAINLESS STEEL DRAIN PAN
2. STAINLESS STEEL COIL RACK
3. SERVICE LIGHT AND RECEPTACLE
4. PREMIUM EFFICIENCY MOTOR
5. FACTORY MOUNTED AND WIRED VFD IN SERVICE VESTIBULE
6. FACTORY MOUNTED AND WIRED DISCONNECT IN SERVICE VESTIBULE
7. SEISMICALLY RATED VIBRATION ISOLATION RESTRAINTS
8. ACCESS DOOR
9. AIRFLOW MEASURING STATION ON S.A., R.A., & O.A.
10. FILTER BANK DIFFERENTIAL PRESSURE GAUGES
11. ULTRA LOW LEAKAGE DAMPERS
12. NOT USED
13. PROVIDE WINDOWS IN ALL AHU SECTION DOORS (EXCEPT COIL SEGMENTS)

CHILLER SCHEDULE (CH)

TAG	TYPE	TONS	EVAPORATOR FLUID	EVAPORATOR GPM	EVAPORATOR EFT °F	EVAPORATOR LFT °F	EVAPORATOR WPD FT	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP	ELECTRICAL DATA V	ELECTRICAL DATA PH	ELECTRICAL DATA HZ	REMARKS	BASED ON MFR/MODEL
CHILL-20	SCROLL	44.3	CH. WATER	106.3	54	44	9.6	136.3	150	460	3	60		YORK YCAL
CHILL-20 (ALT.)	SCROLL	73.4	CH. WATER	176	54	44	23	183	200	460	3	60		YORK YCAL

NOTES:
1. REFRIGERANT SHALL BE R-410a.
2. CHILLER SHALL BE PROVIDED AS A PACKAGE THAT INCLUDES PUMPS, EXPANSION TANK, AIR SEPARATOR, 200-GALLON BUFFER TANKS, AND ALL REQUIRED ACCESSORIES FOR COMPLETE CHILLED WATER SYSTEM. SEE SPECIFICATIONS FOR FURTHER DETAILS ON COMPONENT REQUIREMENTS.
3. ALTERNATE CHILL-20 SHALL BE INCLUDED IN ALTERNATE #9 IN LIEU OF BASE BID EQUIPMENT.

PUMP SCHEDULE (P)

TAG	GPM	HEAD	TYPE	SIZE SUCT IN	SIZE DSCH IN	SIZE IMP. IN	MOTOR DATA HP	MOTOR DATA RPM	MOTOR DATA V	MOTOR DATA PH	MOTOR DATA HZ	SUCTION DIFF PUMP SIDE	SUCTION DIFF SYSTEM SIDE	PUMP DISCHARGE VALVE	BASED ON MFR/MODEL
HWP-1	50	80	BASE MNTD	1.5	1.25	8.75	3	1750	208	3	60	1.5	2.5	NOTE 1	B&G 1510 SERIES
HWP-2	50	80	BASE MNTD	1.5	1.25	8.75	3	1750	208	3	60	1.5	2.5	NOTE 1	B&G 1510 SERIES
CHWP-1	110	75	NOTE 3	NOTE 3	NOTE 3	4.75	5	3500	480	3	60	NOTE 3	NOTE 3	NOTE 1	NOTE 3
CHWP-2	110	75	NOTE 3	NOTE 3	NOTE 3	4.75	5	3500	480	3	60	NOTE 3	NOTE 3	NOTE 1	NOTE 3
CHWP-1 (ALT.)	180	100	NOTE 3	NOTE 3	NOTE 3	5	10	3500	480	3	60	NOTE 3	NOTE 3	NOTE 1	NOTE 3
CHWP-2 (ALT.)	180	100	NOTE 3	NOTE 3	NOTE 3	5	10	3500	480	3	60	NOTE 3	NOTE 3	NOTE 1	NOTE 3

NOTES:
1. PROVIDE WITH TRIPLE DUTY VALVE.
2. PROVIDE WITH DISCONNECT AND ISOLATION BYPASS.
3. PUMP PROVIDED BY CHILLED WATER ASSEMBLY MANUFACTURER.
4. ALTERNATE CHWP-1 & -2 SHALL BE INCLUDED IN BID ALTERNATE #9 IN LIEU OF BASE BID EQUIPMENT.

RADIANT CEILING PANEL SCHEDULE (RCP)

TAG	LENGTH (FT)	WIDTH (IN)	NO. OF TUBES	BTU/FT2	HEATING DATA MBH	HEATING DATA GPM	HEATING DATA EWT (°F)	HEATING DATA LWT (°F)	REMARKS	BASED ON MFR/MODEL
RP-A	4	12	6	171	0.7	0.05	180	150		STERLING SECURITY
RP-B	6	12	6	171	1.0	0.07	180	150		STERLING SECURITY
RP-C	8	12	6	171	1.4	0.1	180	150		STERLING SECURITY

NOTES: 1. COORDINATE COLOR AND FINISH WITH ARCHITECT

AIR COOLED CONDENSING UNIT SCHEDULE (ACCU)

TAG	PERFORMANCE NET MBH	PERFORMANCE OA AMB.	PERFORMANCE EER	ELECTRICAL DATA V	ELECTRICAL DATA PH	ELECTRICAL DATA COMP QTY	ELECTRICAL DATA COMP RLA	ELECTRICAL DATA COMP LRA	ELECTRICAL DATA FAN QTY	ELECTRICAL DATA FAN FLA	ELECTRICAL DATA UNIT MCA	ELECTRICAL DATA UNIT MOCP	MIN OPER. AMB	ASSOCIATED UNIT	BASED ON MFR/MODEL
ACCU-1	228	95	13	460	3	2	44.4	295	3	1.8	49	60	0	AHU-042	YORK YL
ACCU-2	228	95	13	460	3	2	44.4	295	3	1.8	49	60	0	AHU-085	YORK YL

NOTES:
1. AIR-COOLED CONDENSING UNITS SHALL BE INCLUDED ONLY WITH ALTERNATE #5.
2. REFRIGERANT SHALL BE R-410a.

SOUND ATTENUATOR SCHEDULE (SA)

TAG	SERVES	AIRFLOW	CFM	MAX APD IN HG	W IN	H IN	L FT	DYNAMIC INSERTION LOSS 1 63	2 125	3 250	4 500	5 1k	6 2k	7 4k	8 8k	BASED ON MFR/MODEL
SA-1	AHU-042 SUPPLY	FORWARD	6940	0.35	56	24	5	8	8	19	17	14	12	10	9	VIBRO-ACOUSTICS RNM
SA-2	AHU-042 RETURN	REVERSE	5570	0.35	44	24	5	11	9	15	19	16	12	9	9	VIBRO-ACOUSTICS RNM
SA-3	AHU-085 SUPPLY	FORWARD	7245	0.35	58	24	5	8	7	21	17	14	12	10	9	VIBRO-ACOUSTICS RNM
SA-4	AHU-085 RETURN	REVERSE	5725	0.35	46	24	5	10	9	15	18	18	13	9	9	VIBRO-ACOUSTICS RNM

NOTES:

HEAT EXCHANGER SCHEDULE (HX)

TAG	TYPE	TRANSFER AREA (SF)	HEATING SIDE FLUID	HEATING SIDE STM PSI	HEATING SIDE EFT °F	HEATING SIDE LFT °F	HEATING SIDE LBs/HR	FOULING FACTOR	HEATED SIDE FLUID	HEATED SIDE MBH	HEATED SIDE EFT °F	HEATED SIDE LFT °F	HEATED SIDE GPM	HEATED SIDE FPD (FT)	BASED ON MFR/MODEL
HX-1	SHELL & TUBE	10.7	STEAM	15	250	250	660	0.0005	HOT WATER	624	150	180	42.5	2.1	B&G SU
HX-2	SHELL & TUBE	10.7	STEAM	15	250	250	660	0.0005	HOT WATER	624	150	180	42.5	2.1	B&G SU

NOTES:

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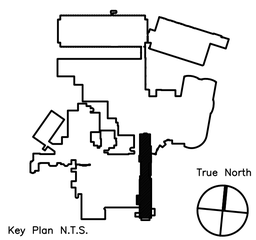

Key Plan N.T.S.

Revision	Date	No
ADDENDUM#1	12/4/09	1

Maine Medical Center
Portland, Maine

MAINE MEDICAL CENTER

PAVILION 6 RENOVATIONS

MorrisSwitzer Project Number	28034
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Scale	N.T.S.

Sheet Title and Number

SIXTH FLOOR PAVILIONS "A" & "C" **MECHANICAL SCHEDULES**

3M3.0