



**PORT CITY ARCHITECTURE**

65 NEWBURY STREET  
PORTLAND, ME 04101  
207.761.9000  
fax: 207.761.2010  
lita@portcityarch.com

**AIR HANDLING UNIT SCHEDULE**

AIR HANDLING UNIT DATA										SUPPLY FAN DATA					HOT WATER COIL DATA WITH HEAT RECOVERY WHEEL										HOT WATER COIL DATA WITHOUT HEAT RECOVERY WHEEL												
UNIT NO.	LOCATION	SERVING	MANUFACTURER	SIZE (L x W x H)	TOTAL CFM	MIN. O.A. CFM	FAN TYPE	E.S.P. "WC	T.S.P. "WC	RPM	SPEED CONTROL	ELEC. DATA				FLUID	#HIGH/#WIDE/ROWS/F.P.I.	E.D.B. °F	L.D.B. °F	E.W.T. °F	L.W.T. °F	MBH	GPM	W.P.D. FT.	FACE VEL. FPM	A.P.D. "WC	FLUID	#HIGH/#WIDE/ROWS/F.P.I.	E.D.B. °F	L.D.B. °F	E.W.T. °F	L.W.T. °F	MBH	GPM	W.P.D. FT.	FACE VEL. FPM	A.P.D. "WC
												BHP	MHP	VOLTS	PH																						
AHU-1	LOWER LEVEL MER	VIVARIUM	CAMBRIDGEPORT	22'-8"x10'-0"x7'-6"H	8,500	8,500	PLUG	2.5	7.45	1770	VFD	14.5	20	480	3	WATER	1/1/2/9	40	70.1	140	93	277	12	0.3	540	0.27	WATER	1/1/2/9	-5	62	140	110	612	42	3.3	540	0.26
AHU-2	ATRIC MER	NON-LAB SPACES	CAMBRIDGEPORT	24'-5"x10'-10"x8'-0"H	11,000	11,000	PLUG	2.5	6.5	1770	VFD	15.9	20	480	3	WATER	1/1/2/8	40	70	140	90	352	14.3	0.4	503	0.22	WATER	1/1/2/8	-5	60	140	110	771	53	4.6	503	0.21
AHU-3	ATRIC MER	LAB SPACES	CAMBRIDGEPORT	23'-1"x12'-0"x8'-6"H	13,000	13,000	PLUG	2.75	6.8	1770	VFD	20.59	25	480	3	WATER	1/1/2/9	40	70	140	91	420	18	0.5	591	0.32	WATER	1/1/2/9	-5	61	140	110	920	63	5.4	591	0.3

**AIR HANDLING UNIT SCHEDULE, CONTINUED**

UNIT NO.	MANUFACTURER	TOTAL ENERGY WHEEL PERFORMANCE										PURGE (CFM)	RECOVERED MBH		MINIMUM EFFECTIVENESS % TOTAL SUMMER/WINTER	EXHAUST FAN DATA					STEAM TO STEAM HUMIDIFIER DATA																		
		SUPPLY					EXHAUST						SUMMER	WINTER		FAN TYPE	E.S.P. "WC	T.S.P. "WC	RPM	SPEED CONTROL	ELEC. DATA				TYPE	MANUFACTURER	MODEL & SIZE	#/HR.	STM. PRESS PSI										
		EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)	PRESSURE DROP "WC	EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB/WB)	PRESSURE DROP "WC										TYPE	BHP	MHP	VOLTS						PH									
AHU-1	THERMOTECH	95/75	81.3/66.7	-5/-5	46.3/39.1	0.52	75/62.5	88.7/71.5	70/52.9	18.7/18	0.52	726	272	590	46	PLUG	1.5	3.4	1770	VFD	10.41	15	480	3															
AHU-2	THERMOTECH	95/75	81.3/66.7	-5/-5	46.3/39.1	0.52	75/62.5	88.7/71.5	70/52.9	18.7/18	0.52	272	352	756	46																								
AHU-3	THERMOTECH	95/75	81.2/66.7	-5/-5	46.4/39.2	0.51	75/62.5	88.8/71.5	70/52.9	18.6/17.9	0.51	1074	418	903	46																								

**AIR HANDLING UNIT SCHEDULE, CONTINUED**

UNIT NO.	FLUID	CHILLED WATER COIL DATA										PRE-FILTERS				FINAL FILTERS				EXHAUST FILTERS				REMARKS												
		#HIGH/#WIDE/ROWS/F.P.I.	E.D.B. °F	E.W.B. °F	L.D.B. °F	L.W.B. °F	E.W.T. °F	L.W.T. °F	MBH (TOTAL)	MBH (SENS.)	GPM	W.P.D. FT.	FACE VEL. FPM	A.P.D. "WC	TYPE	MERV RATING	FACE AREA SQ.FT.	INIT. ΔP "WC	FIN. ΔP "WC	TYPE	MERV RATING	FACE AREA SQ.FT.	INIT. ΔP "WC		FIN. ΔP "WC	TYPE	MERV RATING	FACE AREA SQ.FT.	INIT. ΔP "WC	FIN. ΔP "WC						
AHU-1	WATER	2/1/8/10	82	67	52.1	52	47	59	383.1	274.6	64	8.2	452	1.02	30% PLEAT	7	24	0.10	0.58	HEPA 99.97%	-	24	0.8	1.80	30% PLEAT	7	24	0.1	0.58	ALTERNATE						
AHU-2	WATER	2/1/8/10	82	67	52.1	52	47	59	495.5	355.5	82.7	8.7	441	0.98	30% PLEAT	7	30	0.10	0.60	65% CART.	13	30	0.2	0.95	30% PLEAT	7	30	0.1	0.58							
AHU-3	WATER	-	-	78	66	-	47	59	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:  
1. CONTROL TO 57°F DB  
2. ESP INCLUDES 0.25" FOR FUTURE SUPPLY & EXHAUST SOUND ATTENUATOR  
3. HOT WATER COIL CONTROL VALVES SIZED ON CAPACITIES WITH HEAT RECOVERY WHEEL (HRW) CONDITIONS. CONTROL VALVES TO PROVIDE ADDITIONAL FLOW AS SCHEDULED WITH HRW CONDITIONS.

**VARIABLE AIR VOLUME BOX SCHEDULE**

UNIT NO.	MANUFACTURER	MODEL & SIZE	CFM RANGE		INLET SP IN. WG	DIS. NC dB	RAD. NC dB	HOT WATER COIL DATA						WPD FT. WG	APD IN. WG	REMARKS	
			MAX	MIN				ROWS	E.D.B. °F	L.D.B. °F	E.W.T. °F	L.W.T. °F	MBH				GPM
VAV-1	NAILOR INDUSTRIES	30RW-14	1450	435	0.5	<20	<21	2	60	80	140	120	74/78	7.5	3.2	0.4	S DUCT TERMINAL
VAV-2	NAILOR INDUSTRIES	30RW-14	1550	465	0.5	<20	<21	2	60	80	14	119	78/83	7.5	3.2	0.4	S DUCT TERMINAL
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**DIFFUSER & REGISTER SCHEDULE**

TYPE	MANUFACTURER	MODEL	FUNCTION	DESCRIPTION	REMARKS
A	PRICE	SMDA	SUPPLY	LOUVERED FACE, DIRECTIONAL, STEEL CONST.	CEILING DIFFUSER, SURFACE MOUNT
B	PRICE	635	EXHAUST	FIXED LOUVERS, 1/2" SPACING, 45° DEFLECTION, ALUM CONST.	CEILING / SIDEWALL REGISTER
C	PRICE	535	EXHAUST	FIXED LOUVERS, 1/2" SPACING, 45° DEFLECTION, STEEL CONST.	CEILING / SIDEWALL REGISTER
D	PRICE	70 FH	EXHAUST	1/2" BLADE SPACING, ALUMINUM CONST.	FILTERED RETURN, 1" PLEATED FILTER
E	PRICE	-	-	-	CONTINUOUS SLOT DIFFUSER
F	PRICE	SPD	SUPPLY	STEEL CONST., FACE PANEL	SQUARE PLAQUE CEILING DIFFUSER
G	PRICE	S20	SUPPLY	ADJUSTABLE DOUBLE DEFLECTION, 3/4" SPACING	SIDE WALL REGISTER
H	PRICE	S0S475	RETURN	3-SLOT, 4-SIDED LINEAR SLOT REGISTER	CEILING RETURN, PROVIDE INNER CEILING TILE
I	PRICE	LBP	SUP / RET	EXTRUDED ALUM, 0° DEFLECTION, 1/4" SPACING	LINEAR BAR GRILLE
-	-	-	-	-	-
-	-	-	-	-	-

NOTES:  
1. ALL NECK SIZES ARE NOTED ON DRAWINGS.  
2. THROW PATTERNS ARE 4-WAY UNLESS NOTED OTHERWISE. FLOW ARROWS ON PLANS INDICATE THROW PATTERNS.  
3. COLOR BY ARCHITECT.

**BID SET - NOT FOR CONSTRUCTION**

UNIVERSITY OF NEW ENGLAND

COLLEGE OF PHARMACY

716 STEVENS AVENUE,  
PORTLAND, ME

# DATE DESCRIPTION  
BID SET  
Date Issued 02/08/08  
Project Number 06506

SHEET NAME  
**MECHANICAL SCHEDULES**

Drawn By  
AMM  
Checked By  
DWM/FBH  
**M6.3**

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

3  
2  
1  
0  
SCALE 1"=1'

4  
3  
2  
1  
0  
SCALE 3/4"=1'

6  
3  
0  
1'  
2'  
3'  
SCALE 1/2"=1'

12  
8  
4  
0  
1'  
2'  
3'  
SCALE 1/4"=1'

20  
10  
0  
SCALE 1/8"=1'

40  
20  
0  
SCALE 1/16"=1'