



PORT CITY ARCHITECTURE

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HOT WATER BOILER SCHEDULE

UNIT NO.	LOCATION	SERVING	MANUFACTURER	MODEL & SIZE	GAS				GENERAL		BURNER DATA					REMARKS
					GROSS OUTPUT (MBH)	MAX. INPUT (MBH)	NET I=B=R OUTPUT (MBH)	GAS PRESS. REQ'D. "WC	BOILER HP	STACK GAS CFM	MANUFACTURER	MODEL & SIZE	HP	VOLTS	PH	
B-1	LOWER LEVEL MER	HOT WATER SYSTEM	HB SMITH	28A-W-7	1699	2163	1477	5.9	51	876	POWERFLAME	J50A-15	1/3	120	1	-
B-2	LOWER LEVEL MER	HOT WATER SYSTEM	HB SMITH	28A-W-7	1699	2163	1477	5.9	51	876	POWERFLAME	J50A-15	1/3	120	1	-

NOTES  
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STEAM BOILER SCHEDULE

UNIT NO.	LOCATION	SERVING	MANUFACTURER	MODEL & SIZE	GAS			GENERAL		STEAM			BURNER FAN MOTOR DATA			DEAERATOR TANK DATA			PUMPS			REMARKS			
					GROSS OUTPUT (MBH)	MAX. INPUT (FT3/HR)	GAS PRESS. REQ'D. "WC	BOILER HP	STACK GAS CFM	#/HR.	PRESS. P.S.I.	MHP	PH	VOLTS	MANUFACTURER	MODEL & SIZE	RATING (LB/HR)	TANK VOL (GAL)	TANK ARRANGEMENT	NO.	GPM		DISCH. PRESS. (PSI)	HP	PH
B-3	LOWER LEVEL MER	VIVARIUM PROC STEAM	FULTON	WMP80	2678	3188	27	80	-	2760	60	4.8	3	460	FULTON	FP-V-80	2700	125	VERTICAL	2	-	-	-	-	-

NOTES  
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EXPANSION TANK SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	TANK VOLUME (GAL.)	MINIMUM ACCEPTANCE (GAL.)	HEIGHT (IN.)	DIAMETER (IN.)	REMARKS
ET-1	BELL & GOSSETT	WTA-449	106	69	73	24	HOT WATER SYSTEM
ET-2	BELL & GOSSETT	WTA-404	68	34	47	24	CHILLED WATER SYSTEM
ET-3	BELL & GOSSETT	WTA-401	18	12	31	16	VIVARIUM (CH-2) SYSTEM (ALTERNATE)

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VARIABLE FREQUENCY DRIVES (VFD)

UNIT	SERVING	LOCATION	MFG.	HP	VOLTS/HZ	PHASE	REMARKS
VFD-1	AHU-1	LOWER LEVEL MER	ABB	20	460/60	3	-
VFD-2	SF-1	LOWER LEVEL MER	ABB	2.0	460/60	3	-
VFD-3	-	-	-	-	-	-	NOT USED
VFD-4	CHWP-1	LOWER LEVEL MER	ABB	7.5	460/60	3	-
VFD-5	CHWP-2	LOWER LEVEL MER	ABB	7.5	460/60	3	-
VFD-6	MCHWP-1	LOWER LEVEL MER	ABB	5	460/60	3	-
VFD-7	MCHWP-2	LOWER LEVEL MER	ABB	5	460/60	3	-
VFD-8	HWP-1	LOWER LEVEL MER	ABB	5	460/60	3	-
VFD-9	HWP-2	LOWER LEVEL MER	ABB	5	460/60	3	-
VFD-10	EF-1	LOWER LEVEL MER	ABB	1.5	460/60	3	-
VFD-11	LEF-1	ATTIC MER	ABB	15	460/60	3	-
VFD-12	LEF-2	ATTIC MER	ABB	15	460/60	3	-
VFD-13	LEF-3	ATTIC MER	ABB	15	460/60	3	-
VFD-14	LEF-4	ATTIC MER	ABB	10	460/60	3	-
VFD-15	LEF-5	ATTIC MER	ABB	10	460/60	3	-
VFD-16	EF-4	ATTIC MER	ABB	1.5	460/60	3	-
VFD-17	AHU-2 SF	ATTIC MER	ABB	20	460/60	3	-
VFD-18	AHU-2 EF	ATTIC MER	ABB	15	460/60	3	-
VFD-19	AHU-3 SF	ATTIC MER	ABB	25	460/60	3	-

AIR SEPARATOR SCHEDULE

UNIT NO.	MANUFACTURER	MODEL	DESIGN CAPACITY (GPM)	INLET/OUTLET SIZE (IN.)	WPD (FT.)	REMARKS
AS-1	BELL & GOSSETT	R-6	250	6	1.5	HOT WATER SYSTEM
AS-2	BELL & GOSSETT	R-6	300	6	2.3	CHILLED WATER SYSTEM
AS-3	BELL & GOSSETT	R-2 1/2	60	8	2.1	VIVARIUM (CH-2) SYSTEM (ALTERNATE)

NOTES  
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HUMIDIFIER SCHEDULE

UNIT NO.	SERVING	MANUFACTURER	MODEL & SIZE	OUTSIDE AIR		INDOOR		AIR FLOW			DISPERSION TUBES			TOTAL CAPACITY LB/HR	STEAM PRESS. P.S.I.	GAS INPUT MBH	WATER GPH	TANK VOLUME (GAL.)	OPERATING WEIGHT (LB)	POWER			REMARKS				
				F	RH %	F	RH %	SUPPLY CFM	OA %	DUCT % RH	MODEL	HEADER	TUBE CENTER							QTY.	W x H	ABSORB. DIST. (IN.)		APD (IN.)	VOLTS	PH	AMPS
H-1	AHU-1	DRY STEAM	STS-800C	-6	35	70	50	8,500	100	83	ULTRA SORB LV	4	3	1	42x50	19	0.02	318	5.0	N/A	N/A	N/A	-	120	1	1.2	STEAM-TO-STEAM HUMIDIFIER (ALTERNATE)
H-2	AHU-2	DRY STEAM	GTS-800	-6	35	70	50	13,000	100	80	ULTRA SORB LV	5	3	1	48x60	19	0.018	487	5.0	800	80	73	1325	120	1	4.5	GAS HUMIDIFIER (FUTURE)
H-3	AHU-3	DRY STEAM	GTS-600	-6	35	70	50	11,000	100	83	ULTRA SORB LV	5	3	1	48x72	18	0.017	412	5.0	600	60	64	1050	120	1	4.5	GAS HUMIDIFIER

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VANZELM ENGINEERS

VANZELM HEYWOOD & SHADFORD, INC.  
19 TALCOTT NOTCH FARMINGTON, CT 06032  
TEL: (860) 284-2004 FAX: (860) 284-2008

PROJECT NO.: 2007120.00

BECKER structural engineers, inc.

SYTDesign CONSULTANTS  
CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE

ALLIED/COOK CONSTRUCTION

Faireau

Titan Mechanical, Inc.  
Design/Build Engineering - Mechanical Contracting

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/PBH

M6.4

BID SET - NOT FOR CONSTRUCTION

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  
SCALE 1/2"=1'

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

20  
10  
0  
SCALE 1/8"=1'

40  
20  
0  
SCALE 1/16"=1'