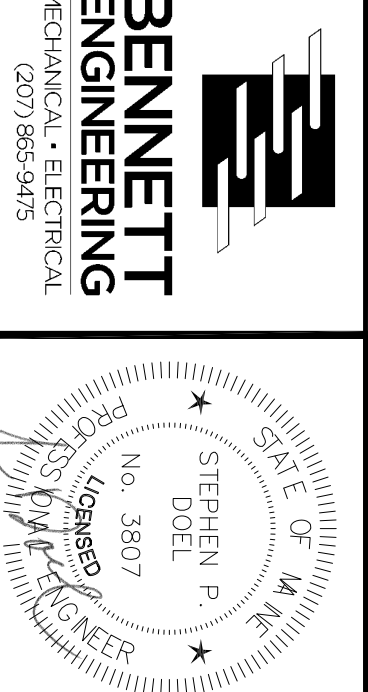


GENERAL NOTES:

REVISIONS:



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Project Status: Bid Set
 Project Number: SR0712
 Project Title: Seaside Rehab & Healthcare Center
 850 Baxter Blvd
 Portland, ME

Drawing Name: Mechanical Schedules
 Scale: 1/8"=1'-0"
 Date: 10/29/12
 SHEET: **M2.1**

AIR SEPARATOR PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	WPD (FT/LUG)	CY FACTOR (T OR N)	STRAINER (DEGREES F)	MAX WORKING PRESSURE (PSI)	SERVICE	PIPE SIZE (IN)	MODEL
AS1	60.0	0.8	N	210	150	HUBR	2 1/2	49075AD

WALL HEATER PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 120°F ENTERING WATER TEMP. & 60°F ENTERING AIR TEMPERATURE

TAG	OUTPUT RATE (MBH)	FLOW RATE (GPM)	WPD (FT/LUG)	AIRFLOW (CFM)	ROOM HT.	ELECTRICAL REQUIREMENTS	SERVICE	ARRANGEMENT	MODEL
WH1	3.25	1.0	0.12	-	-	4.0	120/160	HORIZONTAL	FSU-15
WH2	5.25	2.0	0.12	-	-	4.0	120/160	HORIZONTAL	FSU-30

Note - See Drawings for quantities.

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	GAN	VENT	CU	HU	GAS
P1, P1A	ADA FLOOR MOUNTED FV UC	3"	2"	1"	-	-
P2, P2A	ADA LAVATORY	1 1/2"	1 1/2"	1 1/2"	1 1/2"	-
P3	SHOWER	2"FD	1 1/2"	1 1/2"	1 1/2"	-
P4	ADA COUNTERTOP SS SINK	2"	1 1/2"	1 1/2"	1 1/2"	-
P5	SS SINK, FREESTANDING	2"	1 1/2"	1 1/2"	1 1/2"	-
P6	ADA ROLL-IN SHOWER	2"FD	1 1/2"	1 1/2"	1 1/2"	-
P7	THERAPY TUB	3"	2"	3/4"	3/4"	-
P8	JANITOR'S SINK	3"	2"	1 1/2"	1 1/2"	-
PHB	FREEZE PROOF HOSE BIBB (EXTERIOR)	-	-	3/4"	-	-
2FD	2" FLOOR DRAIN w/ TRAP PRIMER CONNECTION	2"	2"	1/2"	**	-
3FD	3" FLOOR DRAIN w/ TRAP PRIMER CONNECTION	3"	2"	1/2"	**	-
ETP	ELECTRONIC TRAP PRIMER (ETP)	-	-	1/2"	-	-
IU	INDIRECT WASTE	3"	2"	1/2"	**	-

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2".
 ** - FROM TRAP PRIMER
 Note - Fixtures tagged with a (T) shall have trap primers connected to nearby floor drains.
 Note - See Drawings for quantities.

AIR DEVICE PERFORMANCE SCHEDULE

TAG	PANEL SIZE (IN)	NECK SIZE (IN)	AIRFLOW (CFM)	SELOS (IN/LUG)	THROU(L)	THROU(S)	Nc	BAIS OF DESIGN PRICE
(A)	-	6 1/4	125	0.05	-	-	25	SEE DWGS SEE DWGS ANX-3AL
(B)	-	8 1/4	250	0.05	-	-	25	SEE DWGS SEE DWGS ANX-3AL
(C)	-	10 1/4	350	0.05	-	-	25	SEE DWGS SEE DWGS ANX-3AL
(D)	-	15 1/2	100	0.05	-	-	25	SEE DWGS SEE DWGS ANX-3AL
(E)	-	18 1/2	500	0.05	-	-	22	SEE DWGS SEE DWGS HCD2
(F)	-	22 1/2	1200	0.05	-	-	30	SEE DWGS SEE DWGS 121, 451

Note Airflow indicated are maximum. See Drawings for actual airflow.

ENERGY RECOVERY UNIT SCHEDULE

INDOOR CONDITIONS (WINTER) 72°F DBT 51°F WB
 OUTDOOR CONDITIONS (WINTER) -3°F DBT -1°F WB

TAG	MINIMUM OA (CFM)	MAXIMUM OA (CFM)	FAN SUPPLY BELT EXHAUST BELT EXHAUST	DRIVE	AIRFLOW (CFM)	T.S.P. (IN W.G.)	E.S.P. (IN W.G.)	RPM	WT. (LBS)	HP	BHP	ELECTRICAL REQUIREMENTS	REHEAT COIL	WINTER EFFECTIVENESS	HEXTR	LOCATION	LWA	DBA
ERV 1, 2	1100	1100	SUPPLY BELT EXHAUST BELT EXHAUST	BELT	1100	-	0.50	1350	600	1 1/2	0.9	No	8.0	65%	-	-	-	63

LWA weighted sound power level based on ANSI S1.4, dBA weighted sound pressure level based on 11.5 dB attenuation per octave band @ 5 feet. Sones calculated based on APCA 301 @ 5 feet.

INDIRECT-FIRED WATER HEATER SCHEDULE

TAG	STORAGE	INPUT (GPM)	WPD (FT. W.G.)	1st HOUR RECOVERY	WORKING PRESSURE	INLET CU TEMP.	INLET HU TEMP.	BAIS OF DESIGN Thermo 2000 "TurboTAX" SERVICE CONNECTIONS	MODEL
FUH-1, 2	65.0	36.0	6	451 GAL.	150 PSIG	40F.	180F.	2"	65A

PUMP PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	HEAD (FT/LUG)	WPD (FT/LUG)	EFF %	HP	BHP	VFD	APFS	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL
CP1	35.0	28.0	-	-	1/2	-	-	4.9	120/160	BOILER B1	N-LINE	(T) 2400-50
CP2	35.0	28.0	-	-	1/2	-	-	4.9	120/160	BOILER B2	N-LINE	(T) 2400-50
CP3	60.0	30.0	-	-	1.0	0.84	0P-V	-	209/3160	HUBR	N-LINE	(U) 243-35 34
CP4	60.0	30.0	-	-	1.0	0.84	0P-V	-	209/3160	HUBR	N-LINE	(U) 243-35 34
CP5	35.0	12.0	-	-	1/6	-	-	1.9	120/160	FUH-1	N-LINE	(T) 2400-60
CP6	35.0	12.0	-	-	1/6	-	-	1.9	120/160	FUH-2	N-LINE	(T) 2400-60
CP11	5.0	1.0	-	-	1/40	-	-	0.52	120/160	RHU	N-LINE	(T) 0065

ALL BRONZE OR STAINLESS STEEL CONSTRUCTION

BOILER PERFORMANCE SCHEDULE

BI B2 CAPACITIES BASED ON NATURAL GAS @ 1000 BTU / CF @ 11.0" w.g. gas pressure

TAG	1-B-R RATINGS *	NET (MBH)	DOE (MBH)	FIRING (GAL/HR)	THERMAL EFFIC. (%)	BOILER SECTNS	ELECTRICAL REQUIREMENTS	BAIS OF DESIGN	WATER MAKE	BARBER MODEL	MODEL
BI	51T.0	445.0	-	-	94.0%	-	3/4	120/160	HUBR	-	550
B2	51T.0	445.0	-	-	94.0%	-	3/4	120/160	HUBR	-	550

TEMPERATURE MIXING VALVE PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	INLET CONNECTION (INCHES)	OUTLET CONNECTION (INCHES)	WPD (DEGREES F)	SET POINT (DEGREES F)	PROVIDE SPARE CARTRIDGE (Y OR N)	BAIS OF DESIGN	LEONARD	MODEL
TMV	40.0	1"	1/4"	10	120	-	DOMESTIC HU	IN LINE	TM-820-DT

EXPANSION TANK PERFORMANCE SCHEDULE

TAG	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MIN. REQ'D TEMPERATURE (DEG F)	MAX. WORKING TEMPERATURE (DEG F)	WEIGHT (LBS)	BAIS OF DESIGN	(T) TACO (A) AIRROL	MODEL
ET1	51	51	51	240	125	-	FLOOR	HUBR (T) CA215
ET2	15	15	15	200	150	-	FLOOR	DOMESTIC (A) A5T

BFP PERFORMANCE SCHEDULE

BODY STYLE DESIGNATIONS REFERENCED ARE AS FOLLOWS: (DO) - DOUBLE CHECK (DDC) - DOUBLE DETECTION CHECK (DCV) - DOUBLE CHECK UNIT ANTI-SIPHONIC VENT (RPV) - DOUBLE CHECK w/ REDUCED PRESSURE ZONE RELIEF VALVE

TAG	SIZE (F91)	FLOW RATE (GPM)	WPD (DEGREES F)	MAX WORKING TEMPERATURE (DEG F)	TESTABLE (Y) OR (N)	BODY STYLE	BAIS OF DESIGN	APOLLO	SERIES
BFP1, 2	2"	35.0	15.0	180	115	Y	RP2	WATER ENTRANCE	40-1200
BFP3	3/4"	10.0	15.0	180	115	Y	RP2	BOILER INLU	40-1200

Note See Drawings for quantities.

INDIRECT-FIRED WATER HEATER SCHEDULE

TAG	STORAGE	INPUT (GPM)	WPD (FT. W.G.)	1st HOUR RECOVERY	WORKING PRESSURE	INLET CU TEMP.	INLET HU TEMP.	BAIS OF DESIGN Thermo 2000 "TurboTAX" SERVICE CONNECTIONS	MODEL
FUH-1, 2	65.0	36.0	6	451 GAL.	150 PSIG	40F.	180F.	2"	65A