SPLIT-SYSTEM AIR CONDITIONER PERFORMANCE SCHEDULE

* - AT ARI CONDITIONS OF 85°F AMBIENT/65°F INDOOR WB

TAG	TOTAL COOLING (MBH)*	AIRFLOW (CFM)	MOISTURE REMOVAL (PINTS/HR)	COND. DRAIN (IN)	EER (BTUH/WATT)	SOUND RATING (DB)	WEIGHT (LBS)	REFRIGERANT PIPE SIZE (IN)		ELECTRICAL REQUIREMENTS			BASIS OF DESIGN MITSUBISHI		
								LIQUID	GAS	MCA	MAX FUSE	V/PH/HZ	SERVICE	ARRANGEMENT	MODEL
SAC1	12.5	400	3.8	1"	13.8	40	37	1/2	3/4	1.0	15.0	208/1/60	SERVER ROOM	WALL	PKA-A12GA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note Furnish with low ambient control to 0°F.

SPLIT-SYSTEM CONDENSING UNIT PERFORMANCE SCHEDULE

* - AT ARI CONDITIONS OF 95°F AMBIENT / 67°F INDOOR WB
* - AT 45°F, SATURATED SUCTION TEMPERATURE

TAG	TOTAL COOLING (MBH)*	REFRIGERANT	EER	MINIMUM AMBIENT TEMP(°F)	FOOTPRINT DIMENSION (INCHES)	OPERATING WEIGHT (LBS)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN MITSUBISHI			
							MCA	MOP	V/PH/HZ	COMP. STAGING	SOUND (BEL)	SERVICE	MODEL
* SCU-1	12.5	R-410A	13.8	0°1	37x13	36	13.0	15.0	208/1/60	-	-	SAC-1	(M) PUY-A12NHA
-	-	-	-	-	-	-	-	-	-	-	-	-	-

ELECTRIC CEILING HEATER PERFORMANCE SCHEDULE

TAG	OUTPUT (KW)	FLOW RATE (GPM)	W.P.D (FT.WG)	AIRFLOW (CFM)	ROWS	MTG. HT.	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN Qmark		
							HP	AMPS	V/PH/HZ	SERVICE	ARRANGEMENT	MODEL
-	-	-	-	-	-	-	-	-	-	-	-	-
EH	1.5	-	-	150	-	-	-	19.2	120/1/60	-	RECESSED, CEILING	EFF1500

Note - See Drawings for quantities.

ENERGY RECOVERY UNIT SCHEDULE

* - INDOOR CONDITIONS (WINTER) 72°F, DBT, 57°F, WBT
* - OUTDOOR CONDITIONS (WINTER) -3°F, DBT, -1°F, WBT

TAG	MINIMUM O.A. (CFM)	MAXIMUM O.A. (CFM)	FAN	DRIVE	AIRFLOW (CFM)	T.S.P. (IN. w.g.)	E.S.P. (IN. w.g.)	RPM	WT. (LBS)	ELECTRICAL REQUIREMENTS							HTG CAP. (MBH)	PREHEAT COIL	WINTER EFFECTIVENESS	Lifebreath				SOUND POWER (DB) RE 10 WATTS) OCTAVE BAND & CENTER FREQUENCY (HZ)							
										HP	BHP	VFD's	MCA	MOCP	V/PH/HZ					MODEL	LOCATION	LwA	dBA	63	125	250	500	1000	2000	4000	8000
ERV 1	400	400	SUPPLY	BELT	400	-	0.35	Med.	150	1/0	-	-	6.9	15.0	120/1/60	-	-	55%	100 ERV		SUPPLY	-	-	-	-	-	-	-	-	-	-
			EXHAUST	BELT	400	-	0.35	Med.	-	1/0	-										EXHAUST	-	-	-	-	-	-	-	-	-	-
-	-	-	SUPPLY	BELT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SUPPLY	-	-	-	-	-	-	-	-	-	-
			EXHAUST	BELT	-	-	-	-	-	-	-										EXHAUST	-	-	-	-	-	-	-	-	-	-

The unit shall be furnished with motorized dampers on the exhaust and outside air intake to meet the IECC 2012. Furnish with a 3-speed fan switch.

AIR DEVICE PERFORMANCE SCHEDULE

TAG	DUCT SIZE	NECK SIZE(IN)	AIRFLOW (CFM)	SP.LOSS (IN.WG.)	THROW(L)	THROW(S)	Nc	BASIS OF DESIGN PRICE, (W) WOOD-JA		
								DUCT CONN.(IN)	PATTERN	MODEL
A	6"x6"	6x6	150	0.05	-	-	25	SEE DWGS	SEE DWGS	AMX-3AL
B	9"x9"	9x9	350	0.05	-	-	25	SEE DWGS	SEE DWGS	AMX-3AL
C	12"x12"	12x12	500	0.05	-	-	25	SEE DWGS	SEE DWGS	AMX-3AL
D	15"x15"	15x15	700	0.05	-	-	25	SEE DWGS	SEE DWGS	AMX-3AL
G	10"x8"	-	225	0.05	-	-	20	-	-	* SDGE
-	-	-	-	-	-	-	-	-	-	-
AA	8"x8"	8x8	100	0.05	-	-	30	SEE DWGS	1/2", 45^	630DAL
BB	12"x12"	12x12	400	0.05	-	-	30	SEE DWGS	1/2", 45^	630DAL
CC	16"x16"	16x16	600	0.05	-	-	30	SEE DWGS	1/2", 45^	630DAL
DD	22"x22"	22x22	1000	0.05	-	-	30	SEE DWGS	1/2", 45^	630DAL

Note Airflows indicated are maximums. See Drawings for actual airflows.
* Double-Deflection, extruded aluminum with white finish and opposed blade damper.

FAN PERFORMANCE SCHEDULE

BASIS OF DESIGN (P) PANASONIC, (G) Greenheck

TAG	AIRFLOW (CFM)	T.S.P (IN.WG)	NOISE (SONES)	RPM	DRIVE	ELECTRICAL REQUIREMENTS					WEIGHT (LBS)	SERVICE	ARRANGEMENT	MODEL
						HP	BHP	VFD	AMPS	V/PH/HZ				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EF-T	571	0.25	0.3	909	DIRECT	-	-	-	0.19A	120/1/60	-	Bathrooms	CEILING	(P) FV-08VQ3
EF-1	1000	1.0	9.7	1141	BELT	1/2	-	-	-	120/1/60	64	KH-1	UPBLAST	(G) CUBE-101
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HEATING COIL PERFORMANCE SCHEDULE

BASIS OF DESIGN Daikin
* APD, AT MAX AIRFLOW

TAG	OUTPUT (MBH)	SIZE / FV	FLOW RATE (GPM)	W.P.D. (FT. WG)	WATER VELOCITY (FPS)	E.W.T. (°F)	L.W.T. (°F)	ROWS	TUBES (Y,N)	HTG. AIR FLOW (CFM)	MAX. AIR FLOW (CFM)	A.P.D.* (IN. w.g.)	E.A.T. (°F)	L.A.T. (°F)	COIL TYPE	FIN MAT.	FPI	VALVE	MODEL	SERVICE
HC1	-	- FPM	-	-	-	160	130	-	N	3000	3000	-	50	-	-	AL	-	-	-	ERV1
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOUVER / DAMPER PERFORMANCE SCHEDULE

TAG	AIR FLOW (CFM)	SP LOSS (IN. WG)	AIR VEL. (FPM)	SIZE (INCHES) (WxH)	FREE AREA (SQ. FT)	DRAINABLE (Y) OR (N)	BLADE ANGLE & FRAME DEPTH	BASIS OF DESIGN RUSKIN	
								SERVICE	MODEL
L1, L2	2500	-	-	36"x24"	3.0	Y	35°, 6"	ACI INTAKE, EXH	ELF6375DX
L3	-	-	-	*	-	Y	35°, 6"	-	ELF6375DX

* - SEE ARCHITECTURAL ELEVATIONS FOR SIZE AND SHAPE OF LOUVER, L3.

FINTUBE PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 160°F ENTERING WATER TEMP. & 65°F ENTERING AIR TEMPERATURE

TAG	OUTPUT (MBH/FT)	FLOW RATE (GPM)	MOUNTG. HEIGHT(IN)	ENCLOSURE HEIGHT(IN)	ELEMENT LENGTH(FT)	ENCLOSURE LENGTH(FT)	BASIS OF DESIGN - STERLING			
							TUBE SIZE(IN)	FINS/FOOT	VALVE TAG	MODEL
FTR	0.48	2.0	2"	11"	*	**	3/4"	60	-	JVK-511

* - ELEMENT LENGTH SHALL BE AS REQUIRED TO MEET LOAD INDICATED ON DRAWINGS.
** - ENCLOSURE LENGTH SHALL BE ELEMENT LENGTH PLUS 12" OR WALL TO WALL.

KITCHEN HOOD PERFORMANCE SCHEDULE

BASIS OF DESIGN - GREENHECK

TAG	SIZE(IN) LxDxH	EXHAUST CONNECTIONS					SUPPLY CONNECTIONS					FILTER HEIGHT	FILTER QTY & SIZE	FILTER FACE VEL (FPM)	WEIGHT (LBS)	EXHAUST FAN	MAKEUP AIR UNIT	SERVICE	MODEL
		CFM	S.P.	QTY	SIZE	FPM	CFM	S.P.	QTY	SIZE	FPM								
KH1	48x36x24	1000	0.61	1	10x3	-	-	-	-	-	-	-	-	-	120	EF1	-	KITCHEN EQUIP.	GHEU
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

HOOD NOTES
1. Provide "KH-1" with an Ansul or Kidde fire suppression system and manual reset gas solenoid valve.
2. Provide "KH-1" with a UL-listed thermostatically controlled automatic fire damper.

General Mechanical Notes
R1 - Remove existing fintube radiation and associated piping and controls.
R2 - Remove existing air handling unit, associated condensing unit, piping, ductwork and controls.
R3 - Relocate existing ceiling diffusers.
R4 - Existing ceiling cassette to remain.
R5 - Remove existing Fujitsu mini-split system and turn over to the Owner.
R6 - Remove existing toilet ventilation systems.
R7 - Remove existing ceiling grille, associated ductwork and cap.

1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0

COPYRIGHT 2014
REUSE OR REPRODUCTION OF THE CONTENTS OF THIS DOCUMENT IS NOT PERMITTED WITHOUT WRITTEN PERMISSION OF FORESIDE ARCHITECTS

GENERAL NOTES:

REVISIONS:
.

BENNETT ENGINEERING
MECHANICAL • ELECTRICAL
(207) 865-9475

FORESIDE ARCHITECTS LLC
5 FUNDY ROAD
FALMOUTH, ME 04105
Phone: 207-781-3344
Fax: 207-699-5564
Online @ foresidearchitects.com

Project Status:
Permit and Bid Set

Project Number:
SRH0314

STATE OF MAINE STEPHEN R. HAMEL No. 9507 LICENSED PROFESSIONAL ENGINEER

Seaside Rehabilitation and Healthcare Center
Lobby / Rehab Renovation
850 Baxter Boulevard
Portland, Maine

Drawing Name:
Mechanical Demolition Plan and Schedules

Scale:
1/8"=1'-0"

Date:
07/18/14

SHEET:
M1.2

Date: 11/12/14