AIR DEVICE PERFORMANCE SCHEDULE

TAG	PANEL SIZE(IN)	NECK SIZE(IN)	AIRFLOW (CFM)	SP.LOSS (IN.WG.)	THROW(L)	THROW(S)	Nc	BASIS OF DESIGN = PRICE		
								DUCT CONN.(IN)	PATTERN	MODEL
A	6x6	6x6	130	0.05	-	-	20	SEE DWGS	3/4", 0°, DD	520D
B	12x12	9x9	135	0.05	-	-	20	SEE DWGS	SEE DWGS	SPD
C	24x24	9x9	150	0.05	-	-	18	SEE DWGS	SEE DWGS	SPD
D	30x6	30x6	300	0.05	-	-	20	SEE DWGS	SEE DWGS	LBP
E	24x24	12x12	400	0.05	-	-	18	SEE DWGS	SEE DWGS	SPD
AA	6x6	6x6	130	0.05	-	-	30	SEE DWGS	3/4", 45°	530D
BB	12x12	12x12	225	0.05	-	-	15	SEE DWGS	3/4", 45°	530D
CC	18x6	18x6	135	0.05	-	-	15	SEE DWGS	3/4", 45°	LBP
DD	24x24	18x18	350	0.05	-	-	15	SEE DWGS	3/4", 45°	530D

PROVIDE ALL AIR DEVICES WITH OPPOSED BLADE DAMPERS.

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	SAN	VENT	CW	HW
P-1	ADA FLOOR MOUNTED TT WC	3"	2"	1/2"	-
P-2	ADA WALL HUNG LAVATORY	2"	1-1/2"	1/2"	1/2"
P-2A	42" VANITY TOP LAVATORY	2"	1-1/2"	1/2"	1/2"
P-2B	43" VANITY TOP LAVATORY	2"	1-1/2"	1/2"	1/2"
P-2C	51" VANITY TOP LAVATORY	2"	1-1/2"	1/2"	1/2"
P-3	TUB/SHOWER	2"	1-1/2"	1/2"	1/2"
P-3A	ADA TUB/SHOWER	2"	1-1/2"	1/2"	1/2"
P-3B	STALL SHOWER	2"	1-1/2"	1/2"	1/2"
P-3C	ADA STALL SHOWER	2"	1-1/2"	1/2"	1/2"
P-4	ADA SINGLE BOWL SS KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"
P-4A	ADA SINGLE BOWL SS KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"
P-4B	ADA SINGLE BOWL SS KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"
P-5	WASHING MACHINE HOOK-UP	2"	1-1/2"	1/2"	CAP
P-6	MOP BASIN	3"	2"	3/4"	3/4"
P-7	ICE MAKER HOOK-UP	-	-	1/2"	-
HB	HOSE BIBB (INTERIOR)	-	-	3/4"	-
FPHB	FREEZE PROOF HOSE BIBB	-	-	3/4"	-
YH	YARD HYDRANT (FREEZE PROOF)	-	-	3/4"	-
FD	FLOOR DRAIN (W/ TRAP PRIMER)	3"	2"	1/2"	-
FD-R	FLOOR DRAIN (ROOFTOP)	3"	2"	-	-

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2".
ALL FLOOR DRAINS SHALL BE CONNECTED TO TRAP PRIMER.

AIR SEPARATOR PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	W.P.D (PSI)	CV FACTOR	STRAINER (Y) OR (N)	MAX. WORK'G. TEMPERATURE (DEGREES F)	MAX. WORK'G. PRESSURE (PSI)	BASIS OF DESIGN = TACO		
							SERVICE	PIPE SIZE(IN)	MODEL
AS-1	80.0	0.6	-	N	270	125	HWS/R	3"	4903AD

LOUVER PERFORMANCE SCHEDULE

TAG	AIR FLOW (CFM)	SP LOSS (IN.WG)	AIR VEL. (FPM)	SIZE (INCHES) (W x H)	FREE AREA (SQ.FT)	DRAINABLE (Y) OR (N)	BLADE ANGLE & FRAME DEPTH	BASIS OF DESIGN = RUSKIN	
								SERVICE	MODEL
L-E	625	0.1	-	48x24	3.18	Y	37-½°, 6"	ELEVATOR SHAFT	ELC6375DAX
L-1A	325	0.1	485	24x12	0.67	Y	37-½°, 6"	ERV-0 O.A.	ELF6375DX
L-1B	325	0.1	485	24x12	0.67	Y	37-½°, 6"	ERV-0 E.A.	ELF6375DX
L-2A	410	0.1	611	24x12	0.67	Y	37-½°, 6"	SF-1 INTAKE	ELF6375DX
L-2B	680	0.15	1015	24x12	0.67	Y	37-½°, 6"	EF-1 & 2 E.A.	ELF6375DX

WALL HEATER PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 150°F ENTERING WATER & 60°F ENTERING AIR TEMPERATURE

TAG	OUTPUT (MBH)	FLOW RATE (GPM)	W.P.D. (FT.WG)	AIRFLOW (CFM)	ELECTRICAL REQUIREMENTS		BASIS OF DESIGN = DESIGNLINE		
					AMPS	V/PH/HZ	VALVE	SERVICE	MODEL
WH-1	3.0	2.0	-	36	2.0	120/1/60	N/A	HEAT	DL65-WM

GAS BOILER PERFORMANCE SCHEDULE

* BASED ON D.O.E. (DEPT. OF ENERGY) TEST PROCEDURE

TAG	INPUT (MBH)	HEATING CAPACITY (MBH)	PRESS. DROP (FT HD.)	FUEL	EFF. (%)	INTAKE/ VENT(IN)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN = HEAT TRANSFER PRODUCTS	
							AMP	WATTS	V/PH/HZ	SERVICE	MODEL
B-1	500.0	470.0	11.0	NAT GAS	94.0	4"/4"	10.0	-	120/1/60	HWS/R	MOD CON 500
B-2	500.0	470.0	11.0	NAT GAS	94.0	4"/4"	10.0	-	120/1/60	HWS/R	MOD CON 500

CABINET UNIT HEATER PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 150°F ENTERING WATER & 60°F ENTERING AIR TEMPERATURE

TAG	OUTPUT (MBH)	FLOW RATE (GPM)	W.P.D (FT.WG)	AIRFLOW (CFM)	VALVE	MTG.HT. (FEET)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN = STERLING		
							HP	AMPS	V/PH/HZ	SERVICE	ARRANGEMENT	MODEL
CUH-1	27.7	2.0	0.38	345	N/A	*	1/10	1.4	120/1/60	HEAT	INV. WALL	WI-1110-04-HC
CUH-2	27.7	2.0	0.38	345	N/A	*	1/10	1.4	120/1/60	HEAT	INV. WALL	RWI-1130-04-HC
CUH-3	41.8	4.0	0.38	625	N/A	*	1/10	1.4	120/1/60	HEAT, V-2	DUCTED	RC-1210-06-HC
CUH-4	27.7	2.0	0.38	345	N/A	*	1/10	1.4	120/1/60	HEAT	INV. WALL	C-1110-04-HC

* REFER TO ARCHITECTURAL DRAWINGS, TYP. 6" AFF.
PROVIDE EACH UNIT W/ DISCONNECT SWITCH AND FILTERS.

BFP PERFORMANCE SCHEDULE

TAG	SIZE	FLOW RATE (GPM)	W.P.D (PSI)	MAX. WORK'G. TEMPERATURE (DEGREES F)	MAX. WORK'G. PRESSURE (PSI)	TESTABLE (Y) OR (N)	BASIS OF DESIGN = ZURN-WILKINS		
							BODY STYLE*	SERVICE	MODEL
BFP-1	2"	100.0	15.0	180	175	Y	RPZ	WATER ENTRANCE	975XL
BFP-2	2"	100.0	15.0	180	175	Y	RPZ	WATER ENTRANCE	975XL
BFP-3	3/4"	20.0	12.0	180	175	Y	RPZ	BOILER FILL	975XL

EXPANSION TANK PERFORMANCE SCHEDULE

TAG	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	MIN. REQ'D. ACCEPT.VOL. (GAL)	MAX. WORK'G. TEMPERATURE (DEG F)	MAX. WORK'G. PRESSURE (PSI)	WEIGHT (LBS)	BASIS OF DESIGN = AMTROL		
							MOUNTING	SERVICE	MODEL
ET-1	90.0	34.0	32.0	240	125	600	FLOOR	HWS/R	AX-180V
ET-2	20.0	11.4	10.0	200	150	150	FLOOR	DOM. HW	ST-42V-C

FINTUBE PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 150°F AVERAGE WATER TEMP. & 60°F ENTERING AIR TEMPERATURE

TAG	OUTPUT (MBH/FT)	FLOW RATE (GPM)	MOUNT'G. HEIGHT(IN)	ENCLOSURE HEIGHT(IN)	ELEMENT LENGTH(FT)	ENCLOSURE LENGTH(FT)	BASIS OF DESIGN = STERLING			
							TUBE SIZE(IN)	FINS/FOOT	VALVE TAG	MODEL
FTR-1	0.50	1.0	0	9-13/16"	*	**	3/4"	55	V-1	SENIOR
FTR-2	0.50	1.0	0	9-13/16"	*	**	3/4"	55	V-2	SENIOR

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

BOILER PIPING SCHEMATIC

NTS

DOMESTIC HOT WATER PIPING SCHEMATIC

NTS

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/14/15

CWS Architects

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OWNER / DEVELOPER
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C/O AVESTA HOUSING
307 CUMBERLAND AVENUE
PORTLAND ME

PROJECT TITLE
409 CUMBERLAND AVENUE
PORTLAND ME
409 CUMBERLAND AVENUE
PORTLAND ME

DRAWING TITLE
MECHANICAL SCHEDULES AND DETAILS

CWS PROJ. NO.: 11.449

REVISION	DESCRIPTION	DATE

DRAWING NUMBER
M3.2

SCALE: As Noted
DATE: 09/16/2013