PACKAGED ROOFTOP AC UNIT PERFORMANCE SCHEDULE

* - AT A.R.I. STANDARD CONDITIONS AND 95°F. OUTSIDE AMBIENT

TAG	NOMINAL COOLING (TONS)	MINIMUM O.A. (CFM)	MAXIMUM O.A. (CFM)	FAN	DRIVE	AIRFLOW (CFM)	GAS HEAT (Mbh out)	E.S.P. (IN. w.g.)	RPM	WT. (LBS)	ELECTRICAL REQUIREMENTS HP	BHP	MCA	MOCP	V/PH/HZ	TAG CLG COIL	TAG HEAT RECOV.	E.E.R. (BTUH/WATT)	BASIS OF DESIGN CARRIER SERVICE	MODEL	DISCHARGE SOUND POWER (dB RE 10^{-12} WATTS) OCTAVE BAND & CENTER FREQUENCY (HZ) 1	2	3	4	5	6	7	8
																					63	125	250	500	1000	2000	4000	8000
RTU-1	17.5	-	-	SUPPLY	BELT	7000	324.0	1.0	918	2733	5.0	4.3	82.6	100	208/3/60	CC-1	N/A	12.0	1st FLOOR	48HCFD20ECA5	-	-	-	-	-	-	-	-
				EXHAUST	-	-	-	-	-	-	-	-																
RTU-2, 5, 8	7.5	-	-	SUPPLY	BELT	3000	148.0	0.7	790	1098	1½	1.3	38.8	50	208/3/60	CC-2, 5, 8	NA	12.0	1st, 2nd, 3rd FLOORS	48HCED08A2A5	-	-	-	-	-	-	-	-
				EXHAUST	-	-	-	-	-	-	-	-																
RTU-3, 6	5.0	-	-	SUPPLY	BELT	2000	93.0	0.7	1283	734	1½	1.3	26.5	40	208/3/60	CC-3, 6	NA	15.2	1st AND 2nd FLOOS	48HCED06A2A5	-	-	-	-	-	-	-	-
				EXHAUST	-	-	-	-	-	-	-	-																
RTU-4, 7	12.5	-	-	SUPPLY	BELT	5000	146.0	0.7	702	1776	3.0	2.3	57.3	70	208/3/60	CC-4, 7	NA	12.2	2nd AND 3rd FLOORS	48HCED14A2A5	-	-	-	-	-	-	-	-
				EXHAUST	-	-	-	-	-	-	-	-																

DX COOLING COIL PERFORMANCE SCHEDULE

TAG	TOTAL COOLING (MBH)	SENS. COOLING (MBH)	S.S.T. (DEG.F)	TYPE OF REFRIGERANT	AIRFLOW (CFM)	A.P.D (IN. WG)	ROWS / FPF	E.A.T. D.B.(°F)	E.A.T. W.B.(°F)	L.A.T. D.B.(°F)	SERVICE
-	-	-	-	-	-	-	-	-	-	-	-
CC1	212.8	164.3	45	R-410A	7000	-	-	80	67	58.3	RTU-1
CC2, 5, 8	93.3	72.2	45	R-410A	3000	-	-	80	67	57.2	RTU-2, 5, 8
CC3, 6	60.4	47.9	45	R-410A	2000	-	-	80	67	57.8	RTU-3, 6
CC4, 7	151.5	118.5	45	R-410A	5000	-	-	80	67	57.5	RTU-4, 7

Notes
1. Cooling performance based on 95°F. outside ambient.
2. Basis of design is Carrier.

BFP PERFORMANCE SCHEDULE

* - BODY STYLE DESIGNATIONS REFERENCED ARE AS FOLLOWS, (DC) = DOUBLE CHECK, (DDC) = DOUBLE DETECTION CHECK, (DCA) = DOUBLE CHECK WITH ATMOSPHERIC VENT, (RPZ) = DOUBLE CHECK w/ REDUCED PRESSURE ZONE RELIEF VALVE.

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 APOLLO BODY STYLE*	SERVICE	SERIES
BFP1	2½"	125.0	15.0	180	175	Y	RPZ	WATER SERVICE	40-200
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

FAN PERFORMANCE SCHEDULE

BASIS OF DESIGN (V) VENTAIRE, (G) GREENHECK, (P) PANASONIC

TAG	AIRFLOW (CFM)	T.S.P (IN.WG)	NOISE (SONES)	FRPM	DRIVE	ELECTRICAL REQUIREMENTS HP	BHP	VFD	AMPS	V/PH/HZ	WEIGHT (LB)	SERVICE	ARRANGEMENT	MODEL
EF-T1	70	0.1	-	-	-	-	-	-	0.19	120/1/60	-	TOILET EXHAUST	CEILING	(P) FV-08VQ3
EF-T2	290	0.1	-	-	-	-	-	-	0.53	120/1/60	-	TOILET EXHAUST	CEILING	(P) FV-30VQ3
EF-T3	150	0.1	-	-	-	-	-	-	0.29	120/1/60	-	TOILET EXHAUST	CEILING	(P) FV-15VQ4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note Verify quantities. EF-T1 and EF-T2 shall be "WhisperCeiling"-series and have a motion detector.

ELECTRIC WATER HEATER PERFORMANCE SCHEDULE

TAG	STORAGE (GALS)	INPUT (KW)	REC'VRY. @ 100°F (GPH)	ELECTRICAL REQUIREMENTS HP	WATTS	V/PH/HZ	BASIS OF DESIGN AO Smith SERVICE	FUEL	MODEL	DIMENSIONS
WH	10	1.65	6.7	-	-	208/1/60	DOM HW	ELECTRIC	EJC-10	18"H. x 16"Φ
-	-	-	-	-	-	-	-	-	-	-

BUILDING WATER SERVICE ENTRANCE DETAIL
NTS

DOWNFEED GAS PIPING CONNECTION DETAIL
NTS

NOTE APPLIANCES WITH REGULATORS LOCATE PIPING SHOWN HEREIN UPSTREAM OF THE APPLIANCE REGULATOR. PROVIDE A TEST PLUG DOWNSTREAM OF THE APPLIANCE REGULATOR.

DOMESTIC HOT WATER PIPING SCHEMATIC
NTS

Atlantic Comfort Systems, Inc.
Mechanical Contractor • 207-284-6360
392 Hill Street Biddeford, ME 04005
www.atlanticcomfort.com

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/23/14

STATE OF ME
STEPHEN P. DOEL
No. 3807
PROFESSIONAL ENGINEER

Revisions
1. Added minisplit AC unit to the EMR and electric heat to the Sprinkler and Electrical Rooms. Changed 1-1/4"G. (H.P.) to 1-1/2"G. (H.P.).

Maine Wharf

Portland, ME

BENNETT ENGINEERING
MECHANICAL • ELECTRICAL
(207) 865-9475

Job No.: 3540
Date: 1/15/14
Scale: 1/8" = 1'-0" or A.N.
Drawn by: SP Doel
Checked by: SP Doel

Drawing Title:
Mechanical Schedules and Details

M.3