Reviewed for Code Compliance
Inspection Division
Date: 05/17/17

SPLIT HEAT PUMP SCHEDULE – INDOOR

UNIT NO	LOCATION	TYPE	MAX CFM	OA CFM	COOLING			HEATING			PIPING		SOUND PRESSURE LEVEL (DBA)	WEIGHT (LBS)	ELECTRICAL				MANUFACTURER AND MODEL (1)	NOTES
					TOTAL MBH	EAT DB/WB (DEG F)	LAT DB/WB (DEG F)	TOTAL MBH	EAT DB/WB (DEG F)	LAT DB/WB (DEG F)	LIQ (IN)	GAS (IN)			VOLTS	PHASE	HZ	MCA		
HP–1	KITCHEN 103	CEILING CASSETTE	318	35	7.05	95/75	80/67	9.2	47/43	70/60	1/4"	3/8"	34	40	208	1	60	0.19	FUJITSU – AUU7RLF	1–4
HP–2	OFFICE 102	CEILING CASSETTE	318	35	7.05	95/75	80/67	9.2	47/43	70/60	1/4"	3/8"	34	40	208	1	60	0.19	FUJITSU – AUU7RLF	1–5

NOTES:
1. PROVIDE FRESH AIR INTAKE KIT.
2. PROVIDE CASSETTE GRILLE (INTAKE AND SUPPLY).
3. PROVIDE WIRED REMOTE CONTROLLER.
4. PROVIDE 35 CFM OF OUTDOOR AIR TO UNIT.
5. PROVIDE 3–WAY DIRECTION AIR OUTLET SHUTTER PLATE.

SPLIT HEAT PUMP SCHEDULE – OUTDOOR

UNIT NO	LOCATION	SERVES	COOLING OPERATING RANGE (DEG F)	COOLING CAPACITY (MBH)	HEATING OPERATING RANGE (DEG F)	HEATING CAPACITY (MBH)	ELECTRICAL				MANUFACTURER AND MODEL (1)	NOTES
							VOLTS	PHASE	HZ	MCA		
CU–1	ROOF	HP–1 & HP–2	14 TO 115	14.1	–15 TO 75	18.4	208	1	60	19.7	FUJITSU – 18RLXFZH	1

NOTES:
1. MOUNT AND SECURE UNIT ON 12–INCH HIGH MINI SPLIT STAND MANUFACTURED BY QUICK–SLING OR APPROVED EQUAL. SECURE STAND TO ROOF AND COORDINATE WITH ARCHITECTURAL.

ENERGY RECOVERY VENTILATOR SCHEDULE

UNIT NO	LOCATION	TYPE	OUTSIDE AIR (WINTER)			OUTSIDE AIR (SUMMER)			ELECTRICAL				WEIGHT (LBS)	MANUFACTURER AND MODEL (1)	NOTES
			CFM	TOTAL EFF (%)	FAN ESP	CFM	TOTAL EFF (%)	FAN ESP	VOLTS	PHASE	HZ	FLA			
ERV–1	RESTROOM	INDOOR UNIT	70	65	0.4	70	46	0.4	120	1	60	0.35	36 LBS	RENEWAIR – EV90	1–3

NOTES:
1. PROVIDE MANUFACTURER'S RECOMMENDED EXHAUST AIR WALL CAP WEATHER HOOD AND BACKDRAFT DAMPER.
2. PROVIDE MANUFACTURER'S RECOMMENDED OUTDOOR AIR INTAKE WALL CAP WEATHER HOOD AND BACKDRAFT DAMPER.
3. PROVIDE DIGITAL BATHROOM FAN CONTROL MODEL HVC0001 MANUFACTURED BY HONEYWELL OR APPROVED EQAUL.

ELECTRIC CEILING HEATER SCHEDULE

UNIT NO	LOCATION	TYPE	HEATING (BTU/HR)	AMP DRAW	ELECTRICAL			MANUFACTURER AND MODEL (1)	NOTES
					VOLTS	PHASE	HZ		
ECH–1	BATHROOM 104	CEILING	3,413	8.3	120	1	60	QMARK QCH–1101	1–3

NOTES:
1. PROVIDE ROOM THERMOSTAT, 7–DAY PROGRAMMABLE, MANUFACTURED BY HONEYWELL MODEL RTH2510 OR APPROVED EQUAL.
2. PROVIDE A LOCK–BOX FOR THERMOSTAT.
3. PROVIDE DISCONNECT SWITCH. COORDINATE WITH ELECTRICAL.

DIFFUSER/REGISTER/GRILLE SCHEDULE

UNIT NO	TYPE	NECK SIZE (IN X IN)	CFM RANGE	MAX PRESS DROP (IN WC)	MAX NOISE CRITERIA	MANUFACTURER AND MODEL (1)	NOTES
E–1	CEILING EXHAUST GRILLE	6 X 6	0–70	0.01	20	PRICE 82DAL	1–4

NOTES:
1. PROVIDE ALUMINUM FRAME, PANEL, AND CORE.
2. PROVIDE AN ALUMINUM MOUNTING FRAME THAT ACCEPTS A T–BAR LAY MOUNTING STYLE.
3. PROVIDE ALUMINUM OPPOSED BLADE DAMPER.
4. PROVIDE ROUND NECK ADAPTER FOR FLEXIBLE DUCT CONNECTION.

KEYED NOTES:

(1) MANUFACTURERS NAME AND MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED. DESIGN IS PREDICATED AROUND LISTED MANUFACTURERS AS NOTED ON SCHEDULES AND IS NOT INTENDED TO LIMIT THE CONTRACTOR TO ONE MANUFACTURER.

ISSUED FOR BID
NOT FOR CONSTRUCTION
JANUARY 5, 2017

STATE OF MAINE
EMILY PINYARD
No. 12126
LICENSED
PROFESSIONAL ENGINEER
01/05/17

REV	DESCRIPTION	DWN	APP	DATE
C	RE-ISSUED FOR BID	MBD	ERP	01/05/17
B	RE-ISSUED FOR BID	MBD	ERP	10/28/16
A	ISSUED FOR BID	MBD	ERP	9/02/16

ecomaine
64 BLUEBERRY ROAD, PORTLAND, ME

SCALE HOUSE WITH
INSULATED BLOCK CONSTRUCTION

MECHANICAL SCHEDULES

PLEASE NOTE: THIS DOCUMENT MAY NOT ACCURATELY REPRESENT THE FINAL DOCUMENT. ONLY AN ENGINEER, ARCHITECT OR SURVEYOR SIGNED, SEALED AND DATED PAPER COPY, PROVIDED BY THIS OFFICE, MAY BE UTILIZED FOR BIDDING OR CONSTRUCTION PURPOSES.

Colby Company engineering
47A York Street
Portland, Maine 04101
207.553.7753
colbycoengineering.com

SIZE: ANSI D
DATE: 09/02/2016
DES BY: MIF
DWN BY: MBD
CKD BY: ERP

PROJECT NO. 162.002.002
SHEET 31 OF 40
DRAWING NO. M-601

X:\162 EcoMaine\162.002.002 - Scale House with CMU\Drawings\Sheets\M-601.dwg - 1/5/2017 2:31 PM - ZACH JONES