PANELBOARD NO:	LP9	SC RATING:	42 KAIC		
PANELBOARD TYPE:	BRANCH CIRCUIT LOAD CENTER	MOUNTING:	RECESSED	125	AMP MAIN BREAKER
PANEL LOCATION:	SCALE HOUSE	VOLTAGE:	208Y/120V, 3–PHASE, 4–WIRE	125	AMP BUS (COPPER)
SUPPLIED FROM:	MAIN BUILDING				

CKT NO.	TRIP AMPS	P	WIRE/ CONDUIT	GND	LOAD SERVED	ϕ	LOAD SERVED	WIRE/ CONDUIT	GND	P	TRIP AMPS	CKT NO.
1	20	1	2#12 / 3/4"	#12	INTERIOR LIGHTING	A	EXTERIOR LIGHTING	2#12 / 3/4"	#12	1	20	2
3	20	1	2#12 / 3/4"	#12	RECEPTS – EXT, BATHROOM, VESTIBULE	B	RECEPTACLES – KITCHEN	2#12 / 3/4"	#12	1	20	4
5	20	1	2#12 / 3/4"	#12	RECEPTACLES – OFFICE	C	RECEPTACLES – OFFICE	2#12 / 3/4"	#12	1	20	6
7	20	1			SPARE	A	RECEPTACLES – EAST SCALE PIT (EXIST)	2#12 / 3/4"	#12	1	20	8
9	20	1	2#12 / 3/4"	#12	RECEPTACLES – WEST SCALE PIT (EXIST)	B	ERV–1	2#12 / 3/4"	#12	1	15	10
11	15	1	2#12 / 3/4"	#12	LIFT GATE – EAST (EXISTING) SEE PANEL SCHEDULE NOTE #2	C	LIFT GATE – WEST (EXISTING) SEE PANEL SCHEDULE NOTE #2	2#12 / 3/4"	#12	1	15	12
13	20	2	3#12 / 3/4"	#12	CONDENSING UNIT & HEAT PUMPS	A	POWER SLIDING WINDOWS	2#12 / 3/4"	#12	1	15	14
15						B	LED SIGN (SEE PANEL SCHEDULE NOTE #3)			1	20	16
17	20	1			SPARE	C	CAMERAS (SEE PANEL SCHEDULE NOTE #3)			1	20	18
19	20	3	3#12 / 3/4"	#12	SWING GATE – EAST (EXISTING) SEE PANEL SCHEDULE NOTE #1	A	SWING GATE – WEST (EXISTING) SEE PANEL SCHEDULE NOTE #1	3#12 / 3/4"	#12	3	20	20
21						B						22
23						C						24
25	20	1	2#12 / 3/4"	#12	DOMESTIC WATER HEATER DWH–1	A	BATHROOM HEAT ECH–1	2#12 / 3/4"	#12	1	20	26
27	20	2	2#12 / 3/4"	#12	POLE–MOUNTED LIGHT (EXISTING)	B	RECEPTACLE – REFRIGERATOR	2#12 / 3/4"	#12	1	20	28
29						C	RECEPTACLE – MICROWAVE	2#12 / 3/4"	#12	1	20	30
31					SPACE	A	SPARE			1	20	32
33					SPACE	B	SPARE			1	20	34
35					SPACE	C	SPACE					36
37					SPACE	A	SPACE					38
39					SPACE	B	SPACE					40
41					SPACE	C	SPACE					42

PANEL SCHEDULE NOTES

1. 24VDC CONTROL: PROVIDE (4) #14 AWG
2. 24VDC CONTROL: PROVIDE (3) #14 AWG
3. PROVISION FOR FUTURE INSTALLATION BY OWNER

PANEL LP9 SCHEDULE

SCALE: N/A

PANEL SPECIFICATION NOTES:

1. ACCEPTABLE MANUFACTURERS: SQUARE D, EATON, AND SIEMENS.
2. PANEL IS RECESSED MOUNTED. NOTE LOCATION ON PLANS. PANEL SHALL MOUNT SECURELY WITHIN WALL SYSTEM WITH NO PROTRUDING SURFACES. ENSURE COVER SECURING MECHANISM IS ACCESSIBLE SUCH THAT FUTURE PANEL WORK CAN BE ACCOMPLISHED WITHOUT DAMAGING SURROUNDING WALL SYSTEM.
3. PROVIDE WITH INTEGRAL SURGE SUPPRESSION.
4. PROVIDE HACR–RATED CIRCUIT BREAKERS FOR HEATING, VENTILATION, AND PLUMBING LOADS.
5. PROVIDE ARC FLASH WARNING LABEL IN ACCORDANCE WITH NFPA 70E.
6. PROVIDE TYPED DIRECTORY/SCHEDULE LOCATED IN CLEAR PLASTIC SLEEVE AFFIXED TO INSIDE OF PANEL COVER.

TYPE	DESCRIPTION	VOLT	MANUFACTURER (OR EQUAL)	LAMPS	MOUNTING	CONTROL	NOTES
A	2x2 RECESSED LED	120	FINELITE HPR SERIES	LED	GRID	TOGGLE SWITCH	PROVIDE CAPABILITY FOR SURFACE MOUNT WHERE INDICATED ON DRAWINGS
B	1x2 LED STRIP	120	FINELITE HPR SERIES	LED	SURFACE	TOGGLE SWITCH	
C	EXTERIOR LED WALLPACK; FULL CUT–OFF SHIELD/VISOR	120	HUBBELL LAREDO LNC SERIES	LED	EXTERIOR SURFACE	INTEGRAL PHOTOCELL	EACH FIXTURE SHALL BE PROVIDED WITH INTEGRAL PHOTOCELL
D	RECESSED LED DOWNLIGHT	120	PRESCOLITE LF6LEDG4 SERIES	LED	RECESSED	TOGGLE SWITCH	
EXIST	EXISTING POLE–MOUNTED FIXTURE	208	QL, INC. 117–24B–208–HPS–400	HPS	POLE	PANEL BREAKER	REPLACE EXISTING POLE–MOUNTED FIXTURE LAMPS. PRODUCT NUMBER TAKEN FROM 1987 SCALE HOUSE CONSTRUCTION DRAWINGS
	LED EXIT SIGN PROVIDED WITH MAINTENANCE FREE NICKEL–CADMIUM BATTERY AND SELF–DIAGNOSITC ELECTRONICS.	120	DUAL–LITE EVE SERIES	LED	WALL/ CEILING	N/A	CONNECT TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT
	DUAL HEAD EMERGENCY FIXTURE PROVIDED WITH MAINTENANCE–FREE BATTERY, SELF–DIAGNOSTIC ELECTRONICS, AND WIRE GUARD	120	DUAL–LITE EVR SERIES	LED	WALL	N/A	PROVIDE MODEL WITH CAPACITY TO SUPPLY REMOTE HEAD CONNECT TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT
	EMERGENCY REMOTE LIGHTING HEADS, WET LOCATION LISTED	6	DUAL–LITE EVO SERIES	LED	WALL	N/A	SHALL BE COMPATIBLE WITH AND POWERED FROM LOCAL EMERGENCY FIXTURE

LIGHTING FIXTURE SCHEDULE

SCALE: N/A

ISSUED FOR BID
NOT FOR CONSTRUCTION
JANUARY 5, 2017

NOTES:

1. SEE SHEET E–001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

COMM ENCLOSURE DIAGRAM

SCALE: N/A

DIAGRAM NOTES:

1. COORDINATE FINAL LOCATIONS OF ALL EQUIPMENT WITH OWNER.
2. POWER TO UNITS PROVIDED BY EC. SEE SHEET E–101 FOR RECEPTACLE LOCATIONS.
3. FINAL ACCEPTANCE TESTING SHALL BE THE RESPONSIBILITY OF THE OWNER. EC SHALL BE PRESENT FOR ACCEPTANCE TESTING AND MAKE SYSTEM REPAIRS/ADJUSTMENTS AS REQUIRED.

ENVIRONMENTAL SENSOR DIAGRAM

SCALE: N/A

SYSTEM NOTES:

1. INTENDED SCOPE IS TO PROVIDE FIRE ALARM AND CO DETECTION IN THE NEW SCALE HOUSE THAT PROVIDE BOTH A LOCAL AUDIBLE ALARM AND REPORT TO MAIN BUILDING VIA LAN CONNECTION.
2. SYSTEM SHOWN IS BASED ON NETWORK TECHNOLOGIES INCORPORATED (NTI) MINI ENVIRONMENTAL MONITORING SYSTEM.
3. ALL COMPONENTS SHALL BE UL–LISTED AND FM GLOBAL APPROVED.
4. LOCATE ENVIRONMENTAL CONTROLLER IN COMM RACK.

STATE OF MAINE
MATTHEW R. LYLE
No. 11685
LICENSED
PROFESSIONAL ENGINEER
01-05-17

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

ecomaine
64 BLUEBERRY ROAD, PORTLAND, ME

SCALE HOUSE WITH INSULATED BLOCK CONSTRUCTION

PANEL & LIGHTING SCHEDULES AND ELECTRICAL DETAILS

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: MRL
DWN BY: MRL
CKD BY: CBC

PROJECT NO. 162.002.002
SHEET 40 OF 40
DRAWING NO. E-601

X:\162 EcoMaine\162.002.002 - Scale House with CMU\Drawings\Sheets\E-601.dwg - 1/5/2017 2:33 PM - ZACH JONES