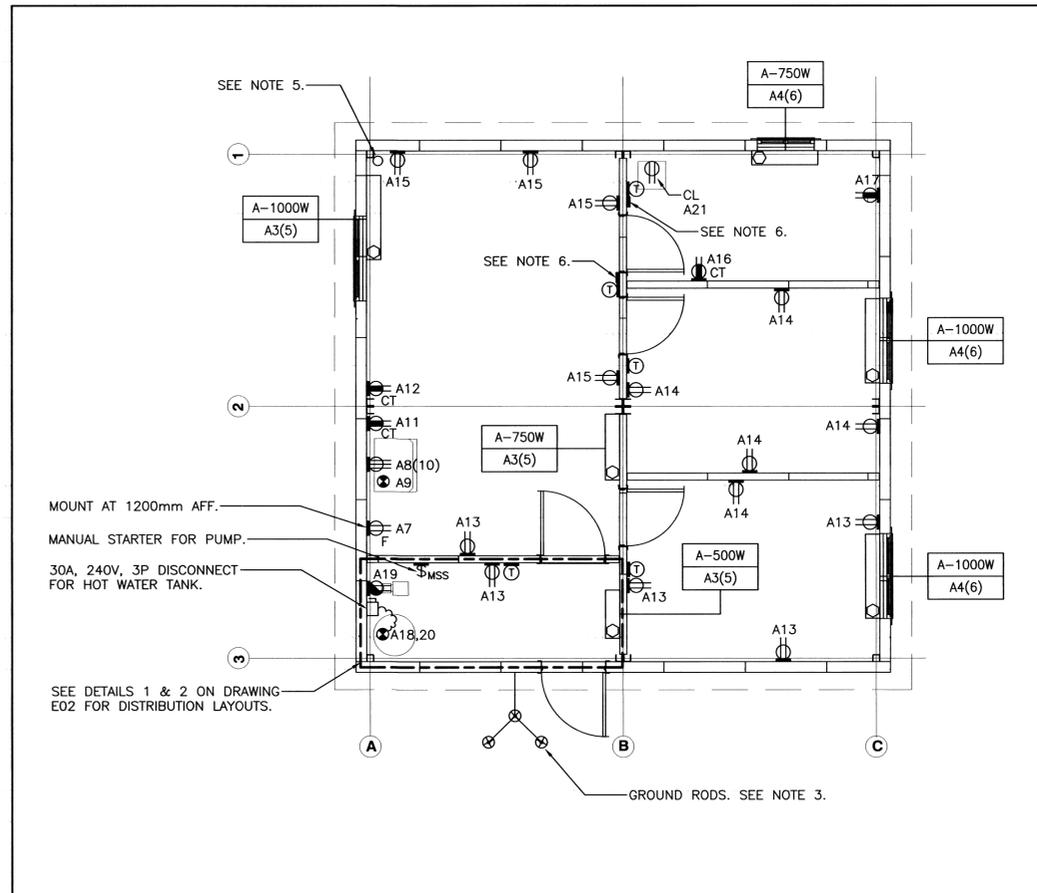
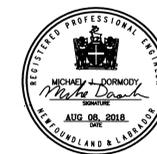


1 LAYOUT — LIGHTING AND FIRE DETECTION  
E01 SCALE : 1:50



2 LAYOUT — POWER AND HEATING  
E01 SCALE : 1:50



PROVINCE OF NEWFOUNDLAND AND LABRADOR  
PERMIT HOLDER  
This Permit Allows  
PERSONS TO ENGAGE IN THE PRACTICE OF PROFESSIONAL ENGINEERING IN NEWFOUNDLAND AND LABRADOR.  
Permit No. as issued by PEGNL 20178 which is valid for the year 2018.  
CBCL LIMITED

0	ISSUED FOR TENDER	AUG 08 2018
revisions		date

project  
**PRE-FABRICATED BUILDING — ASSEMBLY AND CONSTRUCTION GREEN ISLAND (FB), NL**  
drawing

**ELECTRICAL LEGEND & LAYOUTS**

designed MIKE DORMODY  
date JANUARY 2018  
drawn ZOE ROBERTS  
date JANUARY 2018

approved  
date  
Tender  
Project Manager  
Administrateur de projets TPSCG  
project number  
**F6879-194004**  
drawing no.

E01

ELECTRICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<u>DEVICES</u>		<u>LIGHTING</u>	
[Panelboard symbol]	SURFACE MOUNTED PANELBOARD.	[Strip light symbol]	SUSPENDED LED STRIP LIGHT FIXTURE
[Duplex 125V, 15A symbol]	DUPLEX RECEPTACLE, 125V, 15A	[Wall light symbol]	EXTERIOR WALL MOUNT LIGHT FIXTURE
[Duplex 125V, 15/20A symbol]	DUPLEX RECEPTACLE, 125V, 15/20A	[Single pole switch symbol]	SINGLE POLE LIGHT SWITCH
[GFI Duplex 125V, 15/20A symbol]	GFI DUPLEX RECEPTACLE, 125V, 15/20A	[Two pole switch symbol]	TWO POLE LIGHT SWITCH
[Simplex 125V/250V symbol]	SIMPLEX RECEPTACLE, 125V/250V	[Emergency battery unit symbol]	EMERGENCY BATTERY UNIT. SEE NOTE 1.
[Junction box symbol]	JUNCTION BOX	[Emergency double remote head symbol]	EMERGENCY DOUBLE REMOTE HEAD. SEE NOTE 2.
[Direct connection symbol]	DIRECT CONNECTION TO EQUIPMENT	<u>ANNOTATIONS</u>	
[Disconnect switch symbol]	ELECTRICAL DISCONNECT SWITCH	[CT symbol]	INSTALLED ABOVE COUNTER TOP
[Toggle switch symbol]	TOGGLE TYPE MANUAL STARTER SWITCH	[CL symbol]	CEILING MOUNTED
<u>HEATING</u>		[GFI symbol]	GROUND FAULT INTERRUPTER
[Thermostat symbol]	LINE VOLTAGE THERMOSTAT	[F symbol]	REFRIGERATOR
[Baseboard heater symbol]	ELECTRIC BASEBOARD HEATER. WATTAGE AS INDICATED.	<u>NOTES:</u>	
<u>FIRE ALARM AND DETECTION</u>		1. BATTERY UNIT TO BE C/W STRAIGHT BLADE RECEPTACLE FOR AC CONNECTION. REMOTE HEADS TO BE 2-12V, 4W LED. BATTERY UNIT WATTAGE TO BE 72W.	
[SA symbol]	SMOKE ALARM	2. REMOTE HEADS TO BE 2-12V 4W MR16 LED.	
[CO symbol]	COMBINATION SMOKE/CARBON MONOXIDE ALARM		

- NOTES:
- ALL ELECTRICAL DEVICES AND CONDUIT TO BE SURFACE MOUNTED C/W FS BOXES.
  - PROVIDE 2C #14 AC90 FOR INTERCONNECTION OF SMOKE AND COMBINATION SMOKE ALARMS.
  - 3 COPPER CLAD STEEL GROUND RODS (19mm x 3M) SPACED MINIMUM 3M APART. RESISTANCE TO GROUND SHALL NOT EXCEED 10 OHMS. TEST AND PROVIDE DEPARTMENTAL REPRESENTATIVE WITH RESULTS. LOCATE NEAR SERVICE. COORDINATE ON SITE. CONNECTION TO BE BY EXOTHERMIC PROCESS. LOCATE IN OPTIMUM AREA FOR GROUNDING. IF BEDROCK IS ENCOUNTERED USE GROUND ENCASEMENT MATERIAL AROUND CONDUCTORS AND RODS. SEE NOTE 4.
  - PROVIDE #3/0 BARE COPPER CONDUCTOR BETWEEN RODS. PROVIDE #6 BARE COPPER CONDUCTOR TO ELECTRICAL SERVICE SWITCH C/W 21mm PVC CONDUIT ABOVE GRADE.
  - PROVIDE 21mm PVC CONDUIT STUB THROUGH FLOOR FOR FUTURE CATV/TELEPHONE WIRING. PROVIDE PVC SLEEVE FOR FLOOR PENETRATIONS. SEAL AND MAKE WATER TIGHT. PROVIDE SCREW CAP ON BOTH ENDS OF CONDUIT.
  - PROVIDE LOW VOLTAGE CONTROL WIRING IN 21mm EMT CONDUIT FROM HRV CONTROLLER TO HRV. COORDINATE REQUIREMENTS WITH SYSTEM VENDOR.

LIGHTING FIXTURE SCHEDULE								
SYMBOL	LIGHT SOURCE	MOUNTING	VOLTS	LUMENS	WATTAGE	MANUFACTURER	CAT. NO.	REMARKS
[A symbol]	LED	CEILING SUSPENDED	120V	3800	28W	METALUX	4SNLED-LD5-37SL-LN-UNV-L830-CD1-U	SUSPEND FIXTURE USING AIRCRAFT CABLE TO 2500mm AFF.
[B symbol]	LED	WALL EXTERIOR SURFACE	120V	2200	31W	COOPER ALL-PRO	MST1890LW	MOUNT FIXTURE 600mm ABOVE DOOR.