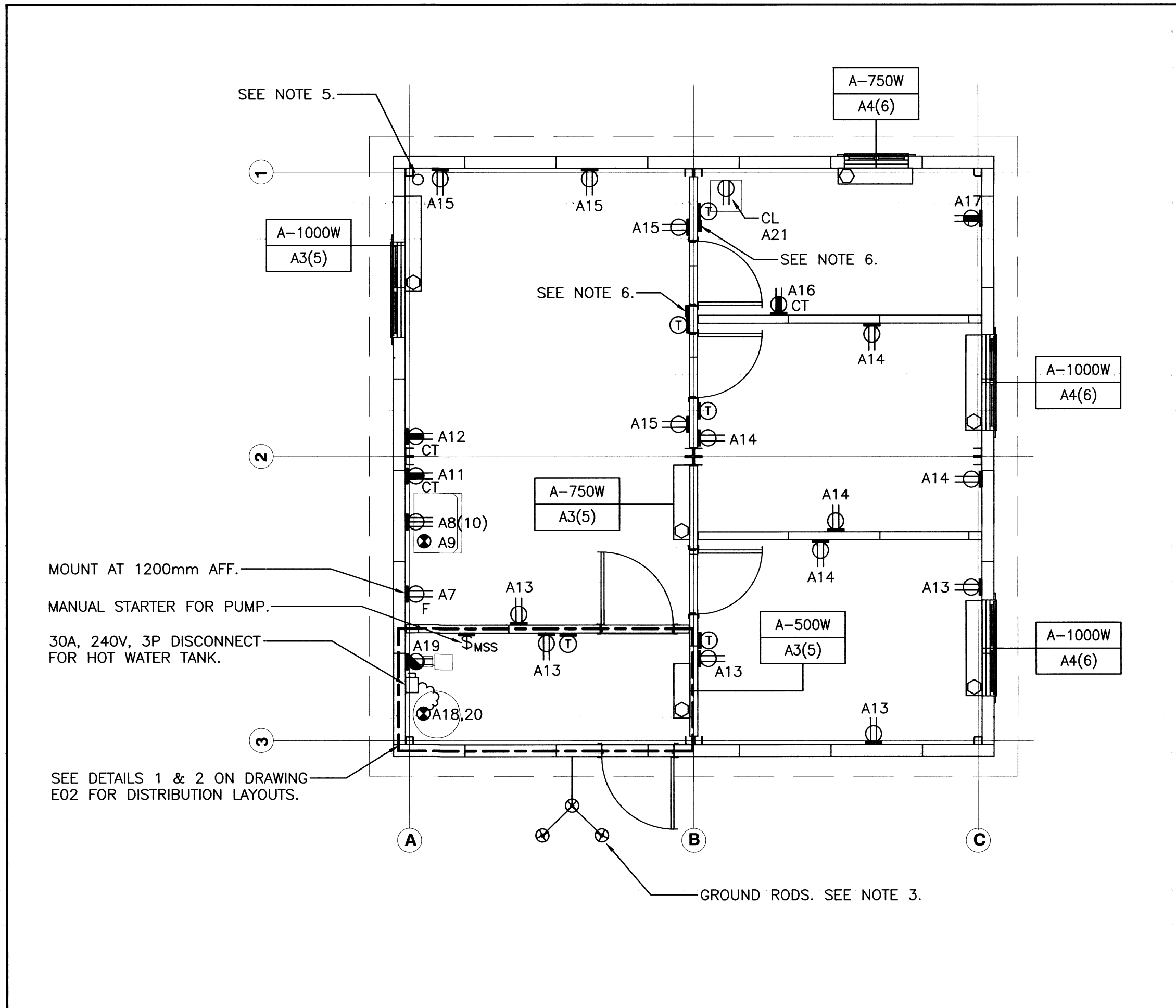


1 LAYOUT — LIGHTING AND FIRE DETECTION
E01
SCALE : 1:50
0m 1m 2m 3m 4m 5m



2 LAYOUT — POWER AND HEATING
E01
SCALE : 1:50
0m 1m 2m 3m 4m 5m

ELECTRICAL LEGEND

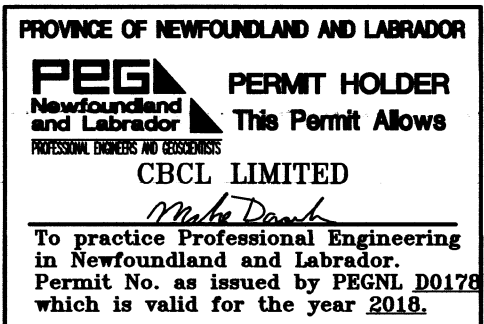
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
<u>DEVICES</u>		<u>LIGHTING</u>	
	SURFACE MOUNTED PANELBOARD.		SUSPENDED LED STRIP LIGHT FIXTURE
	DUPLEX RECEPTACLE, 125V, 15A		EXTERIOR WALL MOUNT LIGHT FIXTURE
	DUPLEX RECEPTACLE, 125V, 15/20A		SINGLE POLE LIGHT SWITCH
	GFI DUPLEX RECEPTACLE, 125V, 15/20A		TWO POLE LIGHT SWITCH
	SIMPLEX RECEPTACLE, 125/250V		EMERGENCY BATTERY UNIT. SEE NOTE 1.
	JUNCTION BOX		EMERGENCY DOUBLE REMOTE HEAD. SEE NOTE 2.
	DIRECT CONNECTION TO EQUIPMENT	<u>ANNOTATIONS</u>	
	ELECTRICAL DISCONNECT SWITCH	CT	INSTALLED ABOVE COUNTER TOP
	TOGGLE TYPE MANUAL STARTER SWITCH	CL	CEILING MOUNTED
<u>HEATING</u>		GFI	GROUND FAULT INTERRUPTER
	LINE VOLTAGE THERMOSTAT	F	REFRIGERATOR
	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.	
	SMOKE ALARM	2. REMOTE HEADS TO BE 2-12V 4W MR16 LED.	
	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. 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
	LED	CEILING SUSPENDED	120V	3800	28W	METALUX	4SNLED-LD5-37SL-LN-UNV-L830-CD1-U	SUSPEND FIXTURE USING AIRCRAFT CABLE TO 2500mm AFF.
	LED	WALL EXTERIOR SURFACE	120V	2200	31W	COOPER ALL-PRO	MST1890LW	MOUNT FIXTURE 600mm ABOVE DOOR.



PERMIT HOLDER
This Permit Allows
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NEWFOUNDLAND AND LABRADOR
CBCL LIMITED
To practice Professional Engineering
in Newfoundland and Labrador.
Permit No. as issued by PEGNL 00178
which is valid for the year 2018.

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 conçu

date JANUARY 2018

drawn ZOE ROBERTS dessiné

date JANUARY 2018

approved

date

Tender

Project Manager

project number

F6879-194004

drawing no.

E01