

FIRE ALARM SYSTEM RISER DIAGRAM 5
SCALE : N.T.S.

FIRE RATED FLOOR BOX SCHEDULE AND SPECIFICATION									
TYPE	DESCRIPTION	NOMINAL DIMENSIONS	DEVICE QUANTITY				COVER PLATE		LISTINGS
			RECEPTACLE	DATA	VOICE	AV	STYLE	FINISH	
FB1	4 GANG CAST IN PLACE FLOOR BOX C/W ROUND COVER TO MATCH POKE-THROUGH	340mm X 340mm X 100mm	2 X 20A DUPLEX	2	2	NO	FLUSH/FLANGLESS	PAINTED METALLIC OR BRUSHED ALUMINUM	UL519A SCRUB WATER EXCLUSION
FB2	4 GANG CAST IN PLACE FLOOR BOX C/W ROUND COVER TO MATCH POKE-THROUGH	340mm X 340mm X 100mm	2 X 20A DUPLEX	2	0	NO	FLUSH/FLANGLESS	PAINTED METALLIC OR BRUSHED ALUMINUM	UL519A SCRUB WATER EXCLUSION

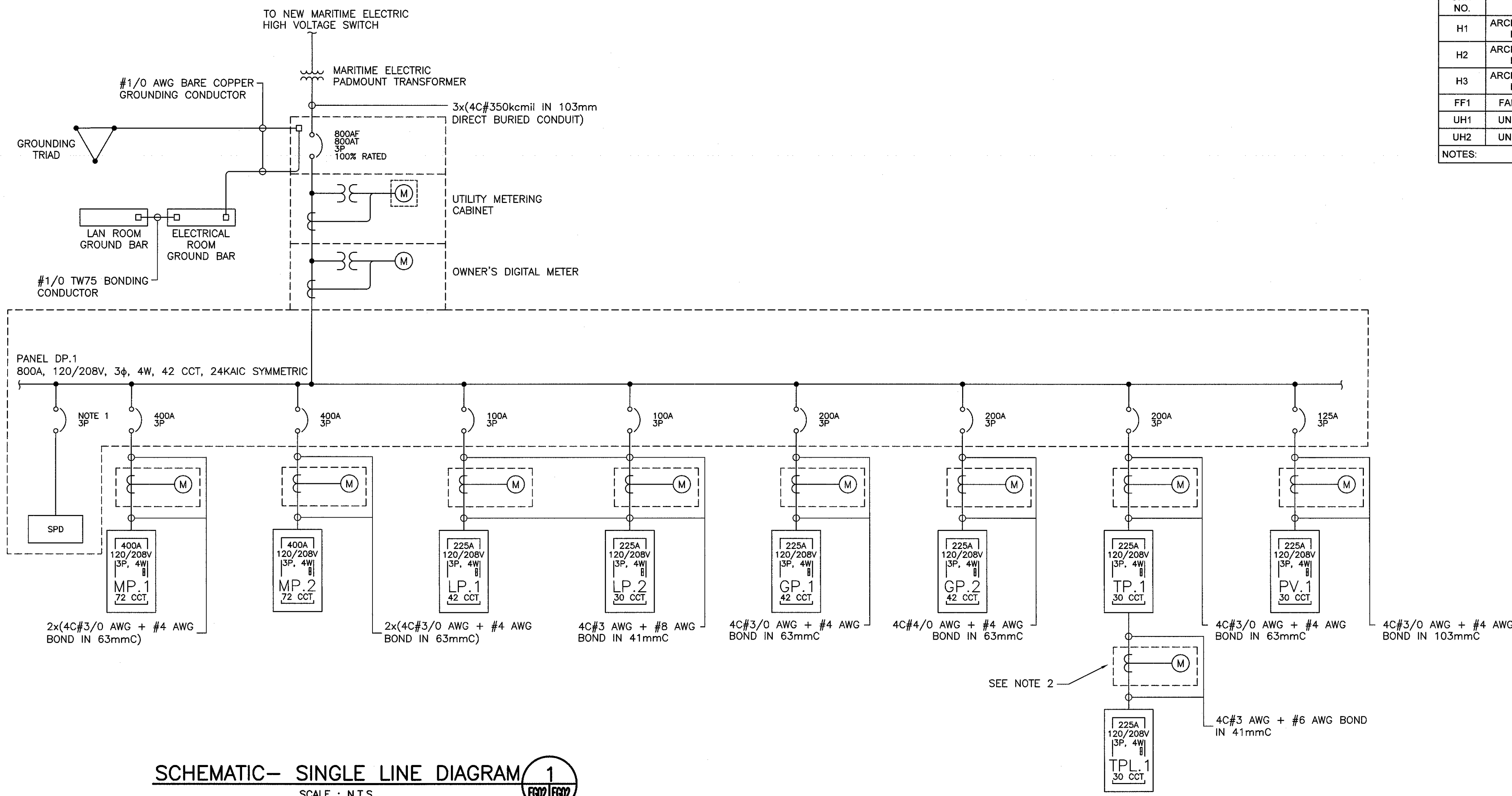
NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLATING ALL NECESSARY SUPPORTS FITTINGS, TRIMS, CONSTRUCTION PLATES, COVERS, ETC TO MAKE A COMPLETE FLOOR BOX AND POKE THROUH ASSEMBLY.

ELECTRIC HEATER SCHEDULE					
UNIT NO.	TYPE	CAPACITY (kW)	APPROX. SIZE (LxWxD)	V-PH-Hz	REMARKS
H1	ARCHITECTURAL HEATER	0.75	36"x7.5"x2.5"	208-1-60	WHITE FINISH, BUILT-IN LOW VOLTAGE RELAY AND 24V TRANSFORMER
H2	ARCHITECTURAL HEATER	2	96"x7.5"x2.5"	208-1-60	WHITE FINISH, BUILT-IN LOW VOLTAGE RELAY AND 24V TRANSFORMER
H3	ARCHITECTURAL HEATER	1.5	72"x7.5"x2.5"	208-1-60	WHITE FINISH, BUILT-IN LOW VOLTAGE RELAY AND 24V TRANSFORMER
FF1	FAN-FORCED	1	16"x13"x5"	208-1-60	WHITE FINISH, LOW VOLTAGE RELAY WITH 24V TRANSFORMER, MOUNTED IN CEILING
UH1	UNIT HEATER	1	20"x13"x13"	208-1-60	LOW VOLTAGE RELAY WITH 24V TRANSFORMER
UH2	UNIT HEATER	2	20"x13"x13"	208-1-60	LOW VOLTAGE RELAY WITH 24V TRANSFORMER

NOTES:

ELECTRICAL FEEDER VOLTAGE DROP CALCULATION				
FEEDER	VOLTAGE	FED FROM	LOCATION	VOLTAGE DROP (%)
DP.1	120/208V	UTILITY TRANSFORMER	ELEC. ROOM E102	0.87
MP.1	120/208V	DP.1	ELEC. ROOM E102	0.45
MP.2	120/208V	DP.1	ELEC. ROOM E102	0.48
LP.1	120/208V	DP.1	ELEC. ROOM E102	0.71
LP.2	120/208V	DP.1	ELEC. ROOM E102	0.71
GP.1	120/208V	DP.1	ELEC. ROOM E102	0.41
GP.2	120/208V	DP.1	ELEC. ROOM E102	1.66
TP.1	120/208V	DP.1	GIFT SHOP STORAGE E109	1.38
TPL.1	120/208V	TP.1	GIFT SHOP STORAGE E109	0.38
PV.1	120/208V	DP.1	EXHIBIT HALL CLOSET E121	0.8

NOTES:
1. FEEDER LENGTHS USED FOR VOLTAGE DROP CALCULATIONS ARE APPROXIMATE.
2. 0.8 POWER FACTOR ASSUMED FOR VOLTAGE DROP CALCULATIONS.



SCHEMATIC- SINGLE LINE DIAGRAM 1
SCALE : N.T.S.

- NOTES:
- SPD BREAKER TO BE DETERMINED BY SPD MANUFACTURER.
 - DIGITAL METER TO BE INTEGRATED INTO TPL.1.

revisions	project	date
4	ISSUED FOR TENDER	09.15.2017
3	RS4 - 100% SUBMISSION	09.01.2017
2	RS4 - 99% SUBMISSION	06.30.2017
1	RS4 66% SUBMISSION	05.31.2017
0	RS3 SUBMISSION	03.31.2017

GREEN GABLES-PHASE 2
NEW VISITOR
CENTRE
QUEENS CO., PEI

ELECTRICAL
SCHEMATICS
&
SCHEDULES

designed JAS congu
date MAR-2017
drawn ALW dessin
date MAR-2017
approved approuvé
date
Tender Soumission
PWOSC Project Manager Administrateur de projets TPSGC
project number no. du projet
R.081199.001
drawing no. no. du dessin
EG07 OF 7