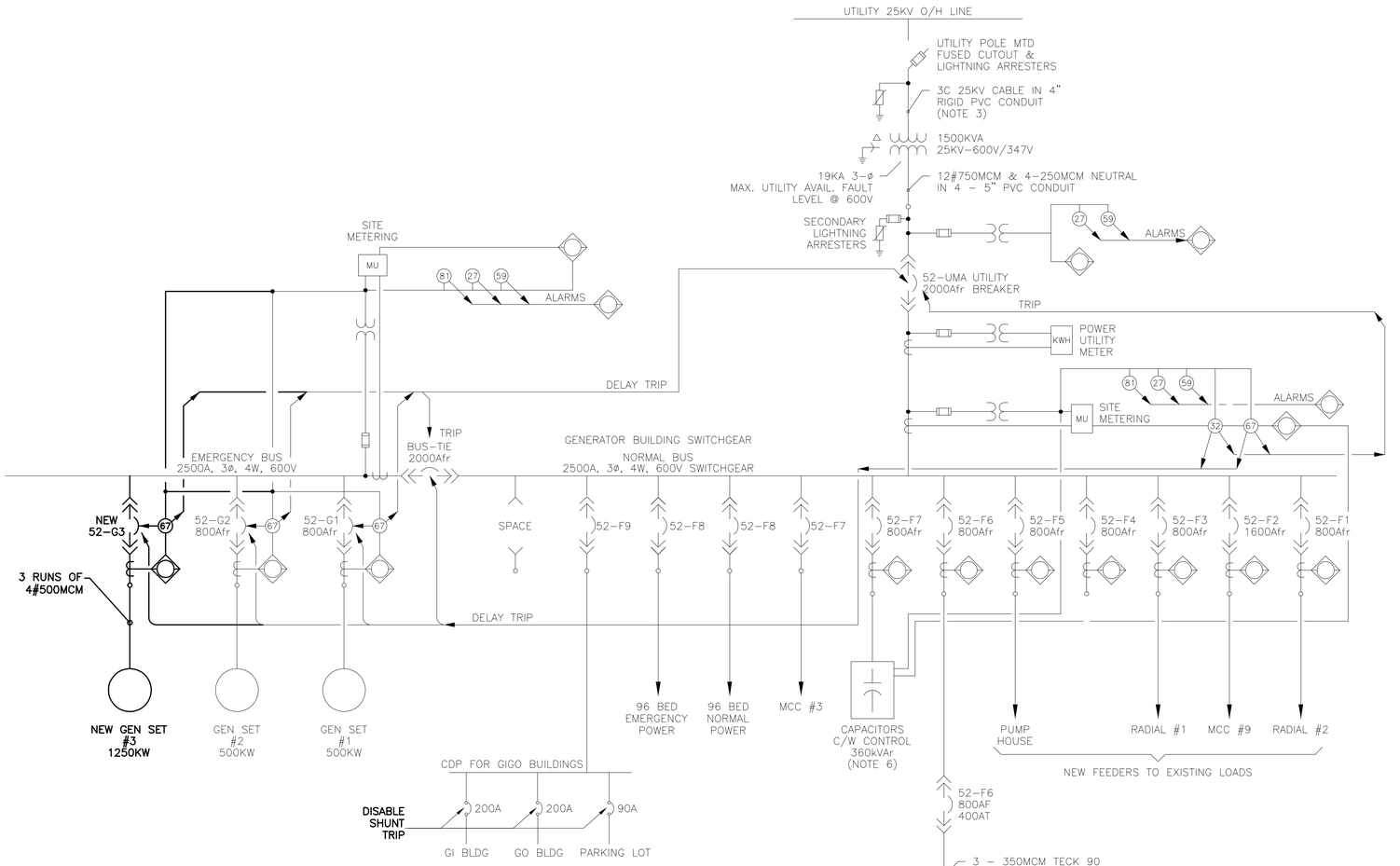
Panel #LP1 Schedule								
Voltage: 208/120 V					Location: Existing			
Amps: Existing					IC: Existing			
Phase: 3					Wire: 4			
Description	**Breaker Size**	**Ckt. No.**	**Phase A**	**B**	**C**	**Ckt. No.**	**Breaker Size**	**Description**
EXISTING CIRCUITS		1				2		EXISTING CIRCUITS
		3				4		
		5				6		
		7				8		
		9				10		
		11				12		
		13				14		
		15				16		
		17				18		
		19				20		
		21				22		
		23				24		
		25				26		
		27				28	15A	UH-01
CHARGER #3	15A	29				30	15A	UH-02
		31				32	30A	GENERATOR #3 HEATER
		33				34		
		35				36		
		37				38		
		39				40		
		41				42	20A	

2 / E2 PANEL #LP1 SCHEDULE
SCALE: N.T.S.



COMPLETE MOTOR SCHEDULE

Motor			Duty or Standby	Motor Size					Motor Circuit				Source	Local Non-Fused Disc.	MCC COMPONENTS				Control
Tag Number	Location	Name / Description		HP	kW	Volts	Ph	Amps	Breaker size	Feeder size	Ground conductor	Conduit Diameter	CDP/PNL Designation		Starter	Pilot Lights	HOA Switch	Switch	
UH-01	Generator Room	Unit Heater	Duty	0.10	0.1	120	1	2.40	1P15A	2#12	1#14	21mm	LP#1	1P20A					Replace Existing with New. New unit heater to be powered from panel #LP1. Line Voltage Thermostat.
UH-02	Generator Room	Unit Heater	Duty	0.10	0.1	120	1	2.40	1P15A	2#12	1#14	21mm	LP#1	1P20A					Replace Existing with New. New unit heater to be powered from panel #LP1. Line Voltage Thermostat.
FC-01	Generator Room	Fuel Cooler	Duty	0.10	0.07	120	1	2.40	1P15A	2#12	1#14	21mm	LP#1	1P20A					Line Voltage Thermostat
SF-01	Generator Room	Supply Fan	Duty	5.00	3.73	575	3	6.10					MCC		FVNR	2	1	Use Existing	Reuse existing wiring and disconnect in existing MCC UH-01 cabinet. Provide new fuse, thermal overload, and starter.
SF-02	Generator Room	Supply Fan	Duty	5.00	3.73	575	3	6.10					MCC		FVNR	2	1	Use Existing	Reuse existing wiring and disconnect in existing MCC UH-02 cabinet. Provide new fuse, thermal overload, and starter.
EF-01	Generator Room	Exhaust Fan	Duty	7.50	5.6	575	3	9.00		3#10	1#12	21mm	MCC		FVNR	use existing	use existing	Use Existing	Reuse existing disconnect. Provide new wiring. Provide new fuse, thermal overload, and starter.
TK-01	Generator Room	Day Tank	Duty	0.10	0.07	120	1	2.40	1P15A	2#12	1#14	21mm	LP#1	1P20A					Line Voltage Thermostat
GEN#3 Heater	Generator Room	Generator #3 Heater	Duty																

GENERAL NOTES

CONTROL WIRING TO BE PROVIDED BY DIVISION 25 CONTROLS CONTRACTOR
E/C TO PROVIDE 120V CONTROL CIRCUITS FOR CONTROLS CONTRACTOR AS REQUIRED.
ALL THERMOSTATS, THERMOMETERS, AND CONTROLLERS SHALL BE RATED IN CELCIUS DEGREES.

ALL THERMOSTATS (120V) SHALL BE SUPPLIED BY M/C AND INSTALLED BY E/C.

3 / E2 MOTOR SCHEDULE
SCALE: N.T.S.

1 / E2 SINGLE LINE DIAGRAM
SCALE: N.T.S.

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada
REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

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PERMIT TO PRACTICE
WSP Canada Inc.
PERMIT NUMBER: P07641
The Association of Professional Engineers and Geoscientists of Alberta

Revision / Revision	Description / Description	Date / Date
B	ISSUED FOR CONSTRUCTION	01/29/2014
A	ISSUED FOR 90% REVIEW	08/11/2013

Client / client
CORRECTIONAL SERVICE CANADA

Project title / Titre du projet
EMSI GENERATOR ADDITION

Approved by / Approuve par
MJ

Designed by / Concept par
RP

Drawn by / Dessine par
ML

PWGSC Project Manager / Administrateur de Projets TPSGC

PWGSC, Architectural and Engineering Resources Manager / Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client / client
CORRECTIONAL SERVICES CANADA

Drawing title / Titre du dessin
EMSI GENERATOR BUILDING SINGLE LINE DIAGRAM

Project No. / No. du projet	Sheet / Feuille	Revision no. / La Révision no.
R.043854.007	E2 OF 2	B

PWGSC – A1 – 841X594

0 10 20 30 40 50 60 70 80 90 100mm

X-TB