

	ANNOT	ATIC	DNS			
DENOTE	DESCRIPTION	DENOTE	DESCRIPTION			
BND	BOND WIRE (AS PER SPECIFICATIONS)	F/A	FIRE ALARM			
GND	GROUND WIRE (#6)	GFI	GROUND FAULT INTERRUPTOR			
C/W	COMPLETE WITH	SPD	SURGE PROTECTION DEVICE			
DISC	DISCONNECT	TR	TAMPER RESISTANT			
RR	REMOVE	WP	WEATHERPROOF			
EX	EXISTING TO REMAIN	WT	WATER TIGHT			
ER	EXISTING TO BE RELOCATED	AFF	ABOVE FINISHED FLOOR			
RE	REPLACE EXISTING WITH NEW DEVICE IN SAME LOCATION	AFG	ABOVE FINISHED GRADE			
RL	EXISTING DEVICE IN RELOCATED LOCATION					
SYMBOL	DESCRIPTION	•	•			
$\left\langle \begin{array}{c} X \\ X \\ X \\ X \\ \end{array} \right\rangle$	MECHANICAL EQUIPMENT TAG					
<u>_1</u>	REFERENCE NOTE (1 DENOTES SEE NOTE 1)					
1	ELECTRICAL CONDUCTOR AND CONDUIT TAC	3				
▲	REVISION IDENTIFICATION TAG					
A	PANEL IDENTIFICATION TAG					
	EXISTING EQUIPMENT TO REMAIN					
EXISTING EQUIPMENT TO BE REMOVED						

SINGLE LINE DIAGRAM SYMBOLS SYMBOL DESCRIPTION AUTOMATIC TRANSFER SWITCH WITHOUT MANUAL BYPASS G GENERATOR MOLDED CASE CIRCUIT BREAKER. "L" WHERE SHOWN, DENOTES DEVICE c/w CURRENT LIMITERS <u></u>

ſ	BREAKER DISCONNECT SWITCH
	METER
	BUSBAR
\downarrow	H.V. POT HEAD
•	CONNECTION POINT
SPD	SURGE PROTECTION DEVICE
	PANELBOARD
	PANELBOARD AND BREAKER

	POWER SYMBOLS
SYMBOL	DESCRIPTION
WP GFI HK TL SW O/C U/C	DUPLEX U-GROUND 15A, 125 VOLT, 2 POLE, 3 WIRE GROUNDING RECEPTACLE "*" WHERE SHOWN, DENOTES CONNECTION TO EMERGENCY POWER. "WP" WHERE SHOWN, DENOTES DEVICE MOUNTED IN WEATHERPROOF F.S. BOX WITH WEATHERPROOF COVER "GFI" WHERE SHOWN, DENOTES GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE "I" WHERE SHOWN, DENOTES DEVICE DEDICATED TO "HOUSEKEEPING" SERVICE. PROVIDE ENGRAVED NAMEPLATE. "TL" WHERE SHOWN, DENOTES TWISTLOCK "SW" WHERE SHOWN, DENOTES TWISTLOCK "TL" WHERE SHOWN, DENOTES TWISTLOCK "TL" WHERE SHOWN, DENOTES TWISTLOCK
۵	DUPLEX U-GROUND 15A, 125V, 2P 3 WIRE GROUNDING RECEPTACLE PROTECTED BY G.F.C.I. BREAKER AT PANELBOARD. MOUNTED APPROXIMATELY 3'6" (1050 mm) ABOVE FINISHED FLOOR.
•	SPECIAL PURPOSE RECEPTACLE AS DENOTED
۲	HARDWIRED EQUIPMENT CONNECTION
PP LP	SINGLE SURFACE MOUNTED / FLUSH MOUNTED PANELBOARD, "PP" DENOTES POWER PANEL,"LP" DENOTES LIGHTING AND POWER PANEL,
╞┷┷╧	SINGLE SURFACE MOUNTED / FLUSH MOUNTED LOW VOLTAGE "LV" DENOTES LOW VOLTAGE PANEL
J	JUNCTION BOX
C	DISCONNECT SWITCH UNLESS NOTED OTHERWISE
	ELECTRIC BASEBOARD HEATER
\odot	GROUND ROD

Ŷ						
	LIGHTING SYMBOLS					
SYMBOL	DESCRIPTION					
A	STRIP SURFACE LUMINAIRE, LETTER "A" INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.					
\$ \$ \$ \$	ONE, TWO, THREE LINE VOLTAGE TOGGLE SWITCH AND LOW VOLTAGE SWITCH MOUNTED 4'-0" (1.2m) ABOVE FINISHED FLOOR LEVEL. UNLESS OTHERWISE NOTED.					
	EMERGENCY BATTERY PACK of RECEPTACLE					

SITE SYMBOL

SYMBOL	DESCRIPTION
●ВСН	POWER POLE
と сом-он २	OVERHEAD COMMUNICATIONS CABLE
} — сом-∪/д — – }	UNDERGROUND COMMUNICATIONS CABLE
} — р₩R-ОН — - 	OVERHEAD SERVICE CONDUCTORS
⊱ – PWR-U/G – −	OVERHEAD SERVICE CONDUCTORS
РВ	PULL BOX (FIBRE GLASS, PVC, ETC.)
₩	OVERHEAD UTILITY SERVICE MAST

LEGAL DESCRIPTION

LOT 2, PLAN KAP68588, DISTRICT LOT 497, K.D.Y.D.

Plan KAP____ LOT 2 PLAN KAP68588 FUTURE PARKING

WalkWay

CODE LOAD CALCULATION:

BC HYDRO 1 YEAR HISTORICAL LOAD INFORMATION: MAXIMUM MONTHLY PEAK LOAD MEASURED 2018-2019 = 22,000 W

MIN. MAIN BREAKER @ 120/240V, 1Ø = <u>22,000W</u> = 92A x 1.25 = 115A 240V

FULL GENERATOR STANDBY ALLOWING 30% HEADROOM 1.3 x 22,000W = 28,600W.

FINAL SIZING => 40kW STANDBY GENERATOR

DRAWING LIST						
DRAWING NUMBER	DRAWING TITLE					
E-001	ELECTRICAL LEGEND, SITEPLAN AND GENERAL NOTES					
E-002	ELECTRICAL FLOOR PLAN AND DETAILS					
E-003	ELECTRICAL DETAILS					
S-001	STRUCTURAL GENERAL NOTES, SITE PLAN AND TYPICAL GENERATOR PAD DETAIL					

Public Works and Government Services Canada Canada Canada

SEAL:

REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique



0	ISSUED FOR TENDER	2020/10/09
#	Description	Y/M/D

ROYAL CANADIAN MOUNTED POLICE

Project title / Titre du projet

SICAMOUS RCMP DETACHMENT GENERATOR UPGRADE

Consultant Approval Box Only

Designed by / Concept par MRO

Drawn by / Dessine par MRO

PWGSC, Project Manager / Administrateur de Projets GRC

MASOOD DEZFOOLI

Drawing title / Titre du dessi

Regional Manager, Architectural and Engineering Services / Gestionnaire regionale, Services d'architectural et de genie,GRC PREETIPAL PAUL

ELECTRICAL LEGEND, SITE PLAN AND GENERAL NOTES

Project No. / No. du projet.	Sheet / Feuille
	E-001

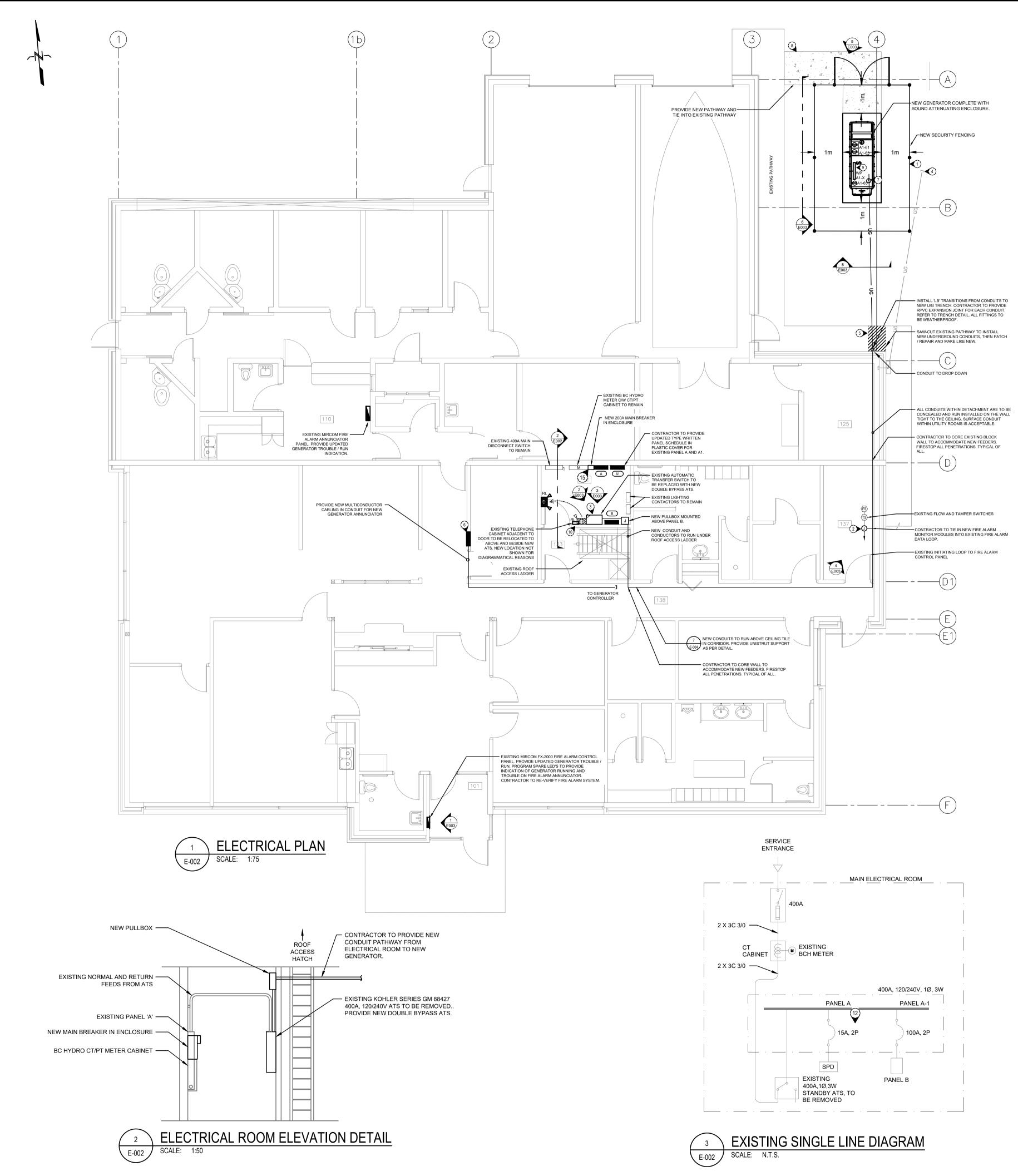
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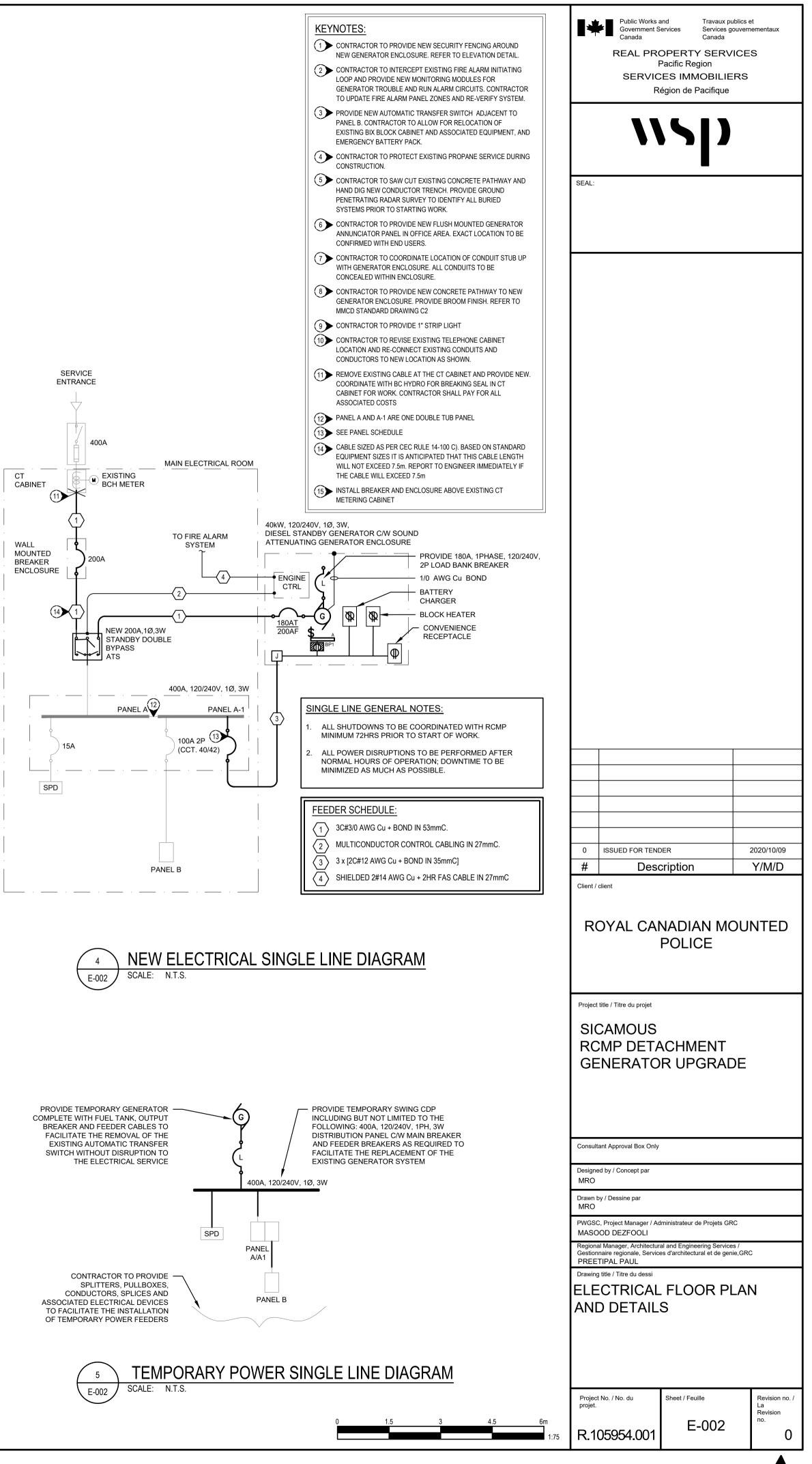


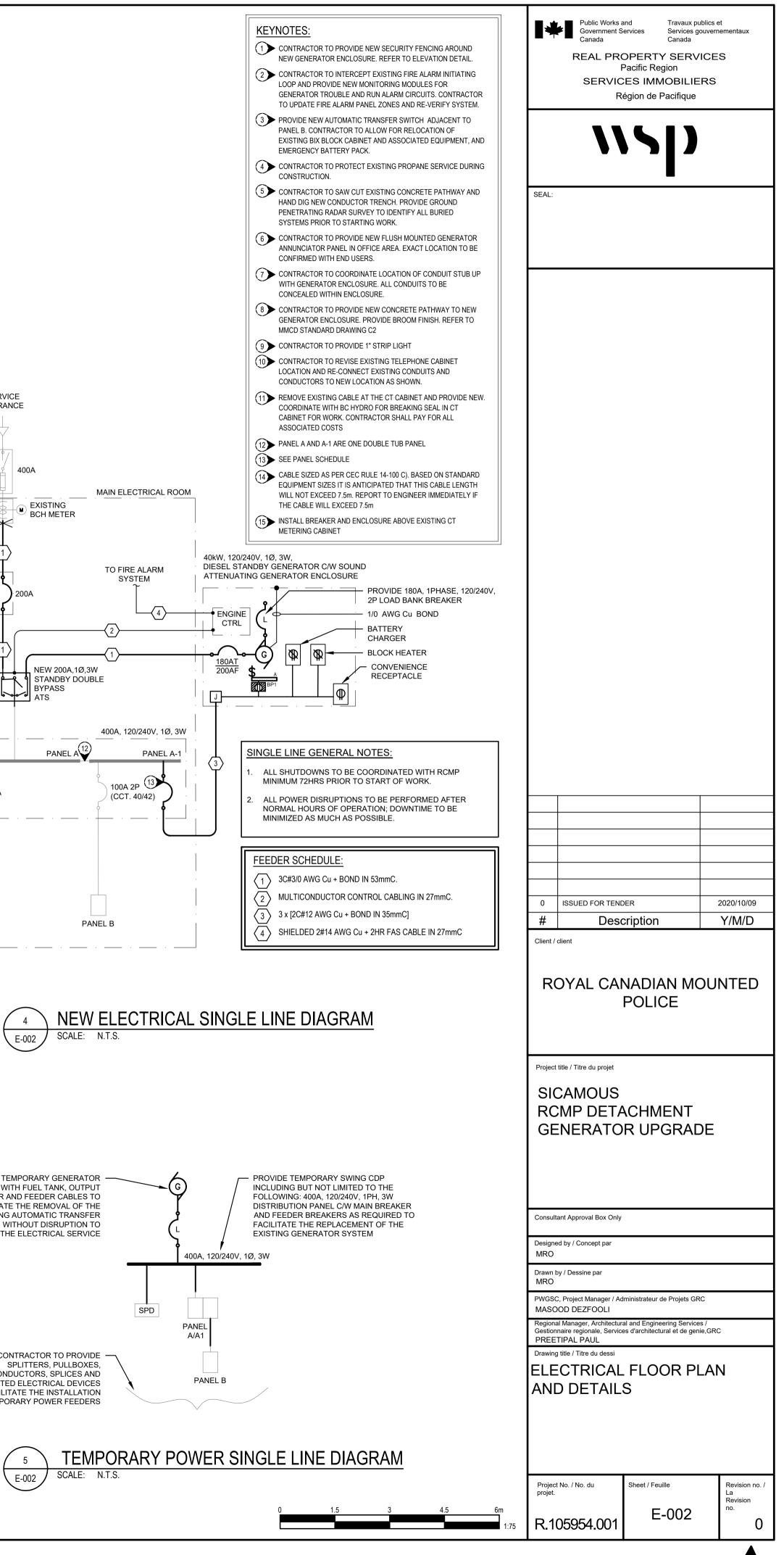
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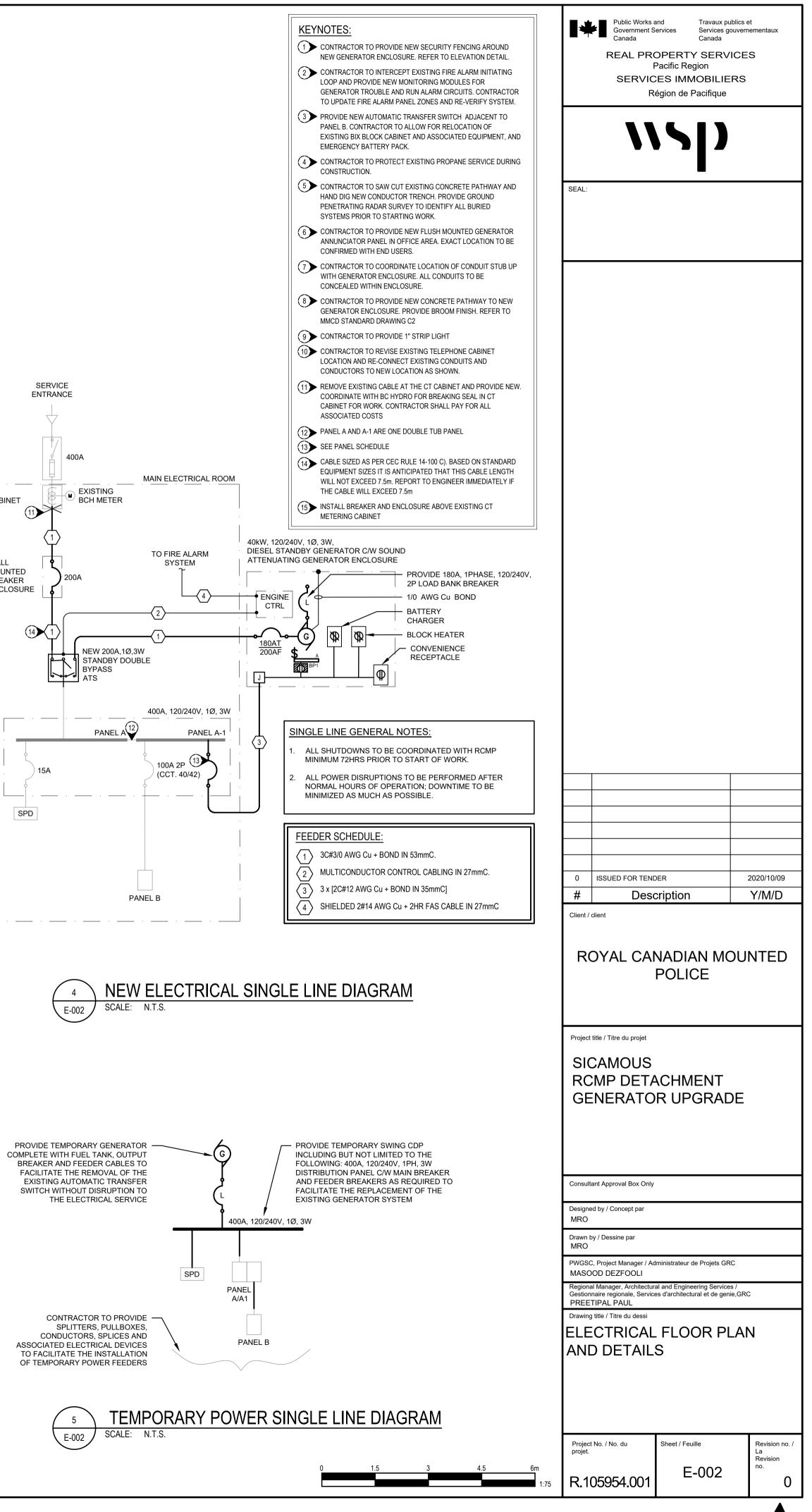
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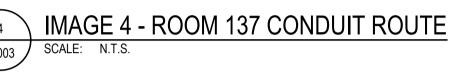


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	Fault Curr	Voltage: Location: Mounting: Bus Size: ent Rating: Other:	-	MAIN SUR 225A	FACE	CTRI	SW CAL R	мос	
сст	Description	Bkr	X	Α	в	x	Bkr	Description	сст
1	UNKNOWN LOAD	15A		X			-	UNKNOWN LOAD	2
3	UNKNOWN LOAD	15A			X		15A	UNKNOWN LOAD	4
5	UNKNOWN LOAD	15A		X			15A	UNKNOWN LOAD	6
7	UNKNOWN LOAD	20A			X		15A	UNKNOWN LOAD	8
9	UNKNOWN LOAD	20A		X				UNKNOWN LOAD	10
11		15A		v	X		15A		12
13		15A		X	v		15A		14
15	UNKNOWN LOAD	15A 15A		V	X		15A		16
17		15A 15A		X	X		15A 15A		18
19 21		15A		X	^		15A		20
23		15A		^	X		15A		22
25		15A		X	^		15A		24
27	UNKNOWN LOAD	15A		<u>^</u>	X	<u> </u>	15A	UNKNOWN LOAD	28
29	UNKNOWN LOAD	15A		X	^		15A	UNKNOWN LOAD	30
31	UNKNOWN LOAD	15A		^	x		15A	UNKNOWN LOAD	30
33	UNKNOWN LOAD	15A		X	~			UNKNOWN LOAD	34
35	UNKNOWN LOAD	20A			x		15A	UNKNOWN LOAD	36
37	UNKNOWN LOAD	15A		X	~		15A	UNKNOWN LOAD	38
39	UNKNOWN LOAD	15A			х		15A	UNKNOWN LOAD	40
41	UNKNOWN LOAD	15A		X	74		15A	UNKNOWN LOAD	42
43	UNKNOWN LOAD	15A			х	-	15A	UNKNOWN LOAD	44
45	UNKNOWN LOAD	15A		X			15A	UNKNOWN LOAD	46
47	UNKNOWN LOAD	15A			х		15A	UNKNOWN LOAD	48
49	UNKNOWN LOAD	15A		X			15A	UNKNOWN LOAD	50
51	UNKNOWN LOAD	15A			Х		15A	UNKNOWN LOAD	52
53	UNKNOWN LOAD	15A		X				UNKNOWN LOAD	54
55	UNKNOWN LOAD	15A			Х			UNKNOWN LOAD	56
57	UNKNOWN LOAD	15A		X			15A	UNKNOWN LOAD	58
59	UNKNOWN LOAD	15A			X		15A	UNKNOWN LOAD	60
61	GENSET CARB HEATER	15A		X				UNKNOWN LOAD	62
63	GENERATOR BATTERY CHARGER	15A			X			UNKNOWN LOAD	64
65	GENERATOR RECEPTACLE / LIGHT	20A		X			15A	UNKNOWN LOAD	66

PANEL NOTE:

1. NEW LOADS TO BE FED FROM NEW BREAKERS. ALLOW FOR NEW BREAKERS SIZED AS SHOWN. NEW BREAKERS TO MATCH EXISTING FAULT CURRENT RATINGS. EXISTING PANEL MODEL SIEMENS P2 SERIES.

Public Works and Government Services Services gouvernementaux Canada Canada REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique SEAL: 2020/10/09 ISSUED FOR TENDER Y/M/D # | Description Client / client ROYAL CANADIAN MOUNTED POLICE

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Regional Manager, Architectural and Engineering Services / Gestionnaire regionale, Services d'architectural et de genie,GRC PREETIPAL PAUL

ELECTRICAL DETAILS

Drawing title / Titre du dessi

Project No. / No. du projet. Sheet / Feuille

R.105954.001

E-003

Revision no. Revision no.

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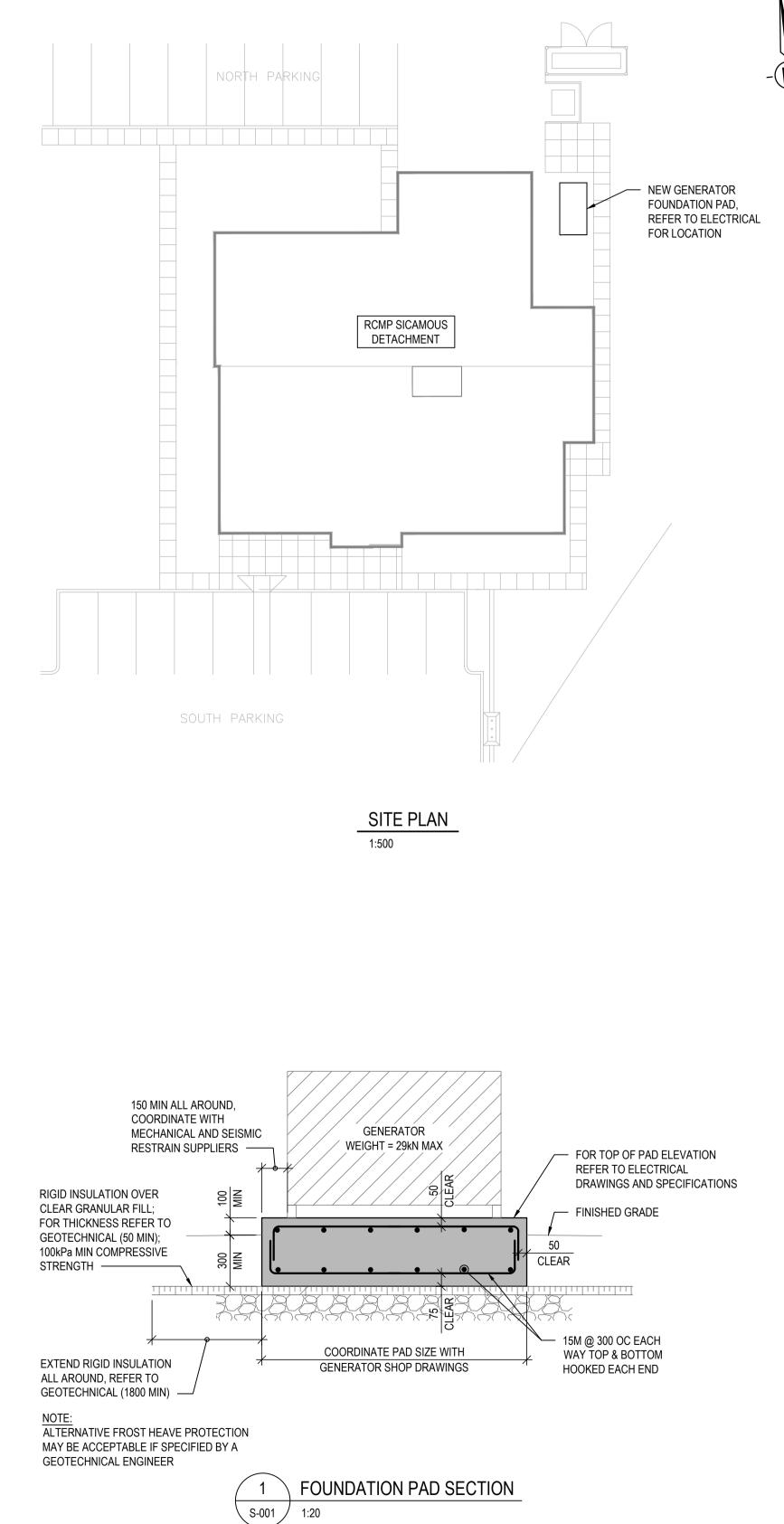
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GENERAL NOTES

- 1. CONTRACTOR TO VERIFY ALL DIMENSIONS FOR PROJECT PRIOR TO COMMENCEMENT OF WORK AND NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- 2. STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT. THEY DO NOT SHOW COMPONENTS WHICH MAY BE NECESSARY FOR CONSTRUCTION SAFETY. CONTRACTOR IS RESPONSIBLE FOR SAFETY ON AND ABOUT THE JOB SITE DURING CONSTRUCTION.
- CONTRACTOR TO ENSURE THAT ALL WORK IS CARRIED OUT BY THE RULES AND CUSTOMS OF THE BEST TRADE PRACTICES AND THEIR SPECIFICATIONS BY SKILLED TRADES PEOPLE KNOWLEDGEABLE OF THE TYPE OF CONSTRUCTION. THEY ARE TO BE PROPERLY EQUIPPED AND SUPERVISED.
- 4. NOTIFY DEPARTMENTAL REPRESENTATIVE 24 HOURS IN ADVANCE FOR CONSTRUCTION REVIEW OF THE STRUCTURAL PORTION OF THE PROJECT AS SHOWN ON THE STRUCTURAL DRAWINGS.
- 5. SEE ELECTRICAL DRAWINGS FOR SLEEVES, INSERTS, ETC. TO BE ENCASED IN CONCRETE.
- 6. STRUCTURAL DESIGN DATA.
 a. ENGINEER OF RECORD: CHELSEA PATON, P.ENG.
 b. DESIGN CODE NATIONAL BUILDING CODE OF CANADA 2015 & BRITISH COLUMBIA BUILDING CODE 2018 PART 4.

FOUNDATION NOTES

- 1. GEOTECHNICAL ENGINEER TO BE RETAINED BY THE CONTRACTOR TO PROVIDE DESIGN AND FIELD REVIEW SERVICES.
- 2. GEOTECHNICAL ENGINEER TO PROVIDE LETTERS OF ASSURANCE SCHEDULES B AND C-B.
- FOOTINGS HAVE BEEN DESIGNED FOR THE FOLLOWING UNFACTORED BEARING PRESSURES OF 75 kN/m2. FOOTINGS TO BEAR ON SUBGRADE APPROVED BY A GEOTECHNICAL ENGINEER.
- 4. BEARING SURFACES MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE BEING PLACED. DEPARTMENTAL REPRESENTATIVE IS NOT RESPONSIBLE FOR CONFIRMING BEARING CAPACITIES OF SOILS.
- 5. REFER TO GEOTECHNICAL ENGINEER FOR OTHER SPECIFIC DESIGN REQUIREMENTS FOR FOOTINGS, SOIL SLOPES, FROST PROTECTION, MINIMUM COVER, ETC.
- 6. PROTECT BEARING SURFACES FROM FREEZING BEFORE AND AFTER FOUNDATION PAD IS POURED.
- 7. SUB-BASE DESIGN OF SOIL UNDER THE FOUNDATION PAD TO BE DESIGNED BY A GEOTECHNICAL ENGINEER.



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				2020/10/07
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