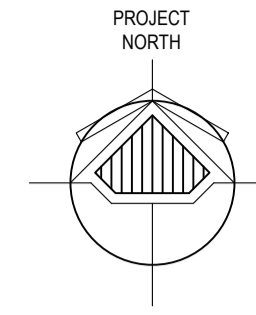


HOPE DETACHMENT GENERATOR REPLACEMENT

690 Old Hope Princeton Way, Hope, BC, V0X 1L4



ELECTRICAL SYMBOL LEGEND	
ABBREVIATIONS	
NOTE	EQUIPMENT SHOWN DOTTED IS EXISTING AND TO REMAIN UNLESS INDICATED OTHERWISE
R	DEMOTES EQUIPMENT TO BE REMOVED AND DEMOLISHED
POWER	
[Symbol]	PANEL BOARD
[Symbol]	GENERATOR ANNUNCIATOR PANEL
FIRE ALARM	
[Symbol]	FIRE ALARM PANEL
[Symbol]	FIRE ALARM ANNUNCIATOR PANEL
SINGLE LINE	
[Symbol]	FEEDER/CONDUCTOR
[Symbol]	BUSBAR/CDP
[Symbol]	BREAKER
[Symbol]	GANG OPERATED DISCONNECT SWITCH
[Symbol]	FUSE
[Symbol]	CABLE POTHEAD
[Symbol]	GROUND
[Symbol]	METERING TRANSFORMER
[Symbol]	SERVICE PROVIDER METER
[Symbol]	GENERATOR
[Symbol]	EXISTING TRANSFER SWITCH
[Symbol]	DOUBLE BY-PASS TRANSFER SWITCH
[Symbol]	PANEL

DRAWING LIST	
E0.0	COVER AND LEGEND
E1.0	SITE PLAN
E1.1	MAIN FLOOR ELECTRICAL LAYOUT
E2.0	DETAILS
E2.1	PICTURES



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1	ISSUED FOR TENDER	21/08/19
0	ISSUED FOR 100% REVIEW	20/04/14

Revision/	Description/Description	Date/Date
Client/client	RCMP	

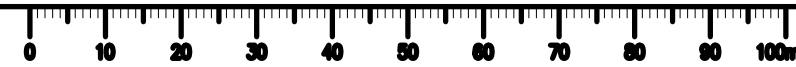
Project title/Titre du projet
**HOPE DETACHMENT
GENERATOR REPLACEMENT**

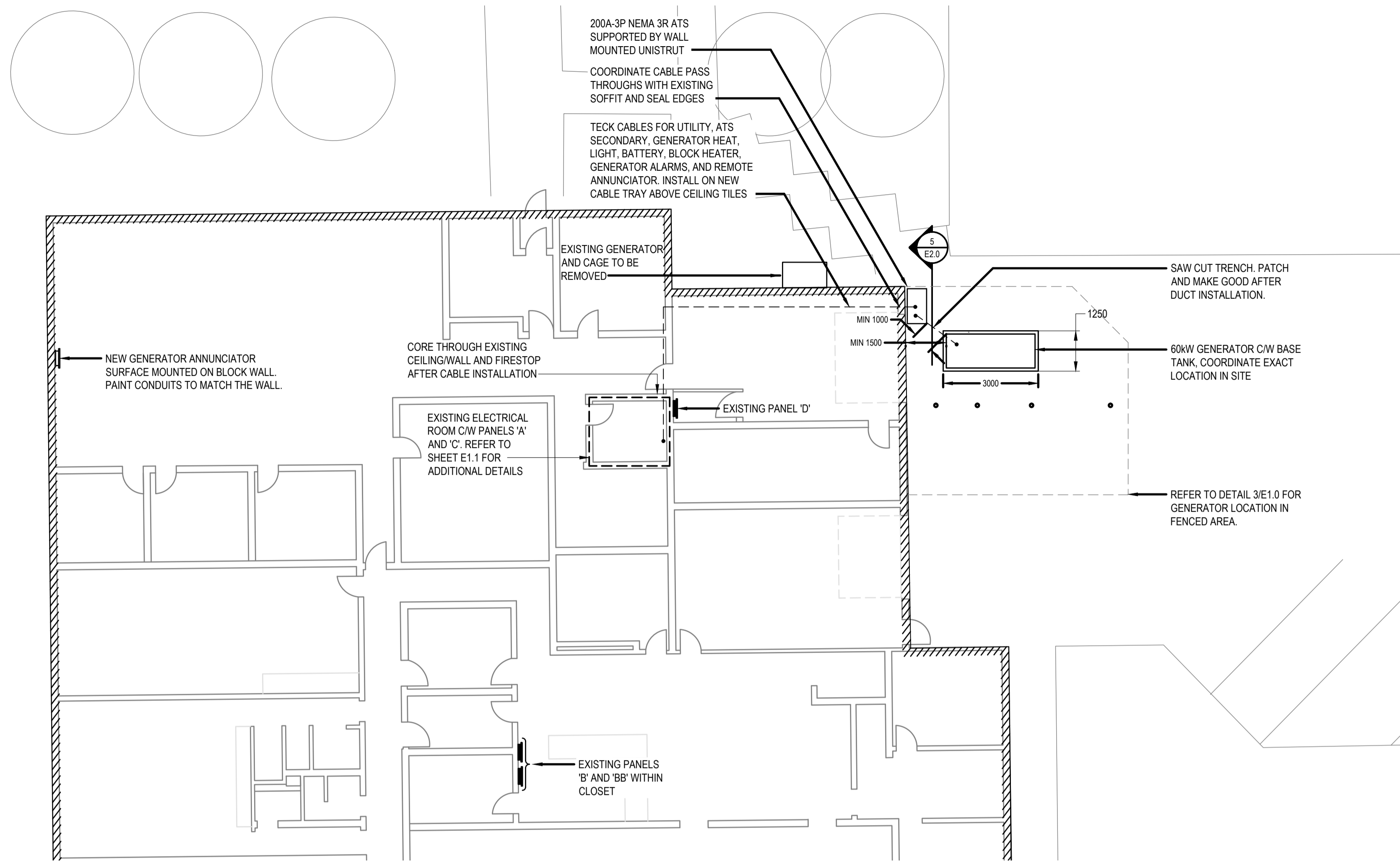
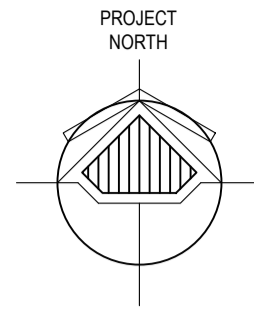
690 OLD HOPE PRINCETON WAY
HOPE, BC

Consultant Signature Only
-
Designed by/Concept par
JBI/AT
Drawn by/Dessiné par
GL/RS
PWGSC Project Manager/Administrateur de Projets TPSGC
Masood Dezfouli
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
Preestipal Paul

Drawing title/Titre du dessin
COVER AND LEGEND

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.109051.001	E0.0	1





1 SITE PLAN
E1.0 1:100

NOTES:

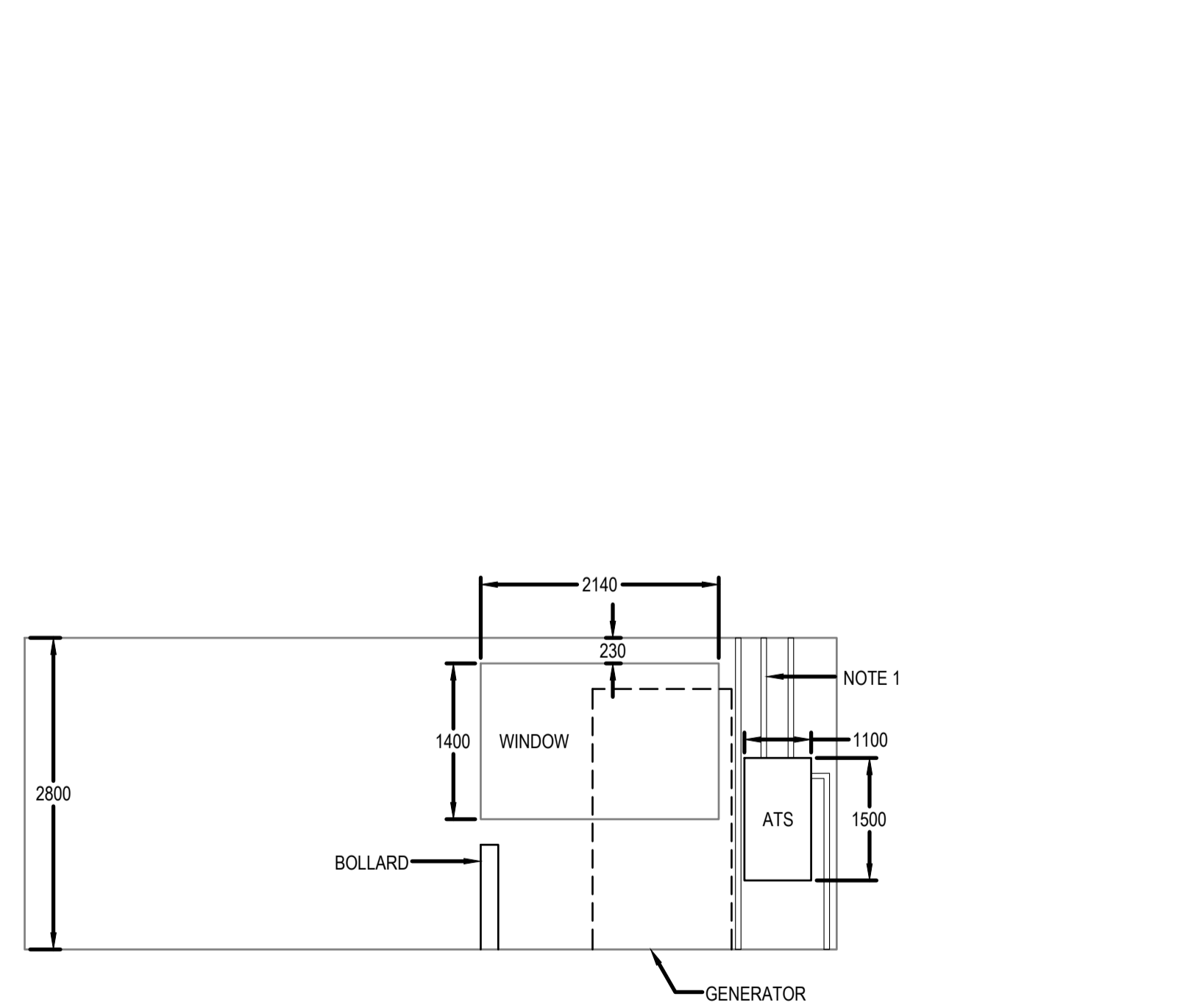
- EXISTING BUILDING HAS UNDERGONE RENOVATIONS. CONTRACTOR TO INCLUDE FOR SITE INVESTIGATIONS TO VERIFY EXACT ROOM AND BUILDING LAYOUT.



5 NEW ATS IN FENCED AREA
E1.0 NOT TO SCALE

NOTES:

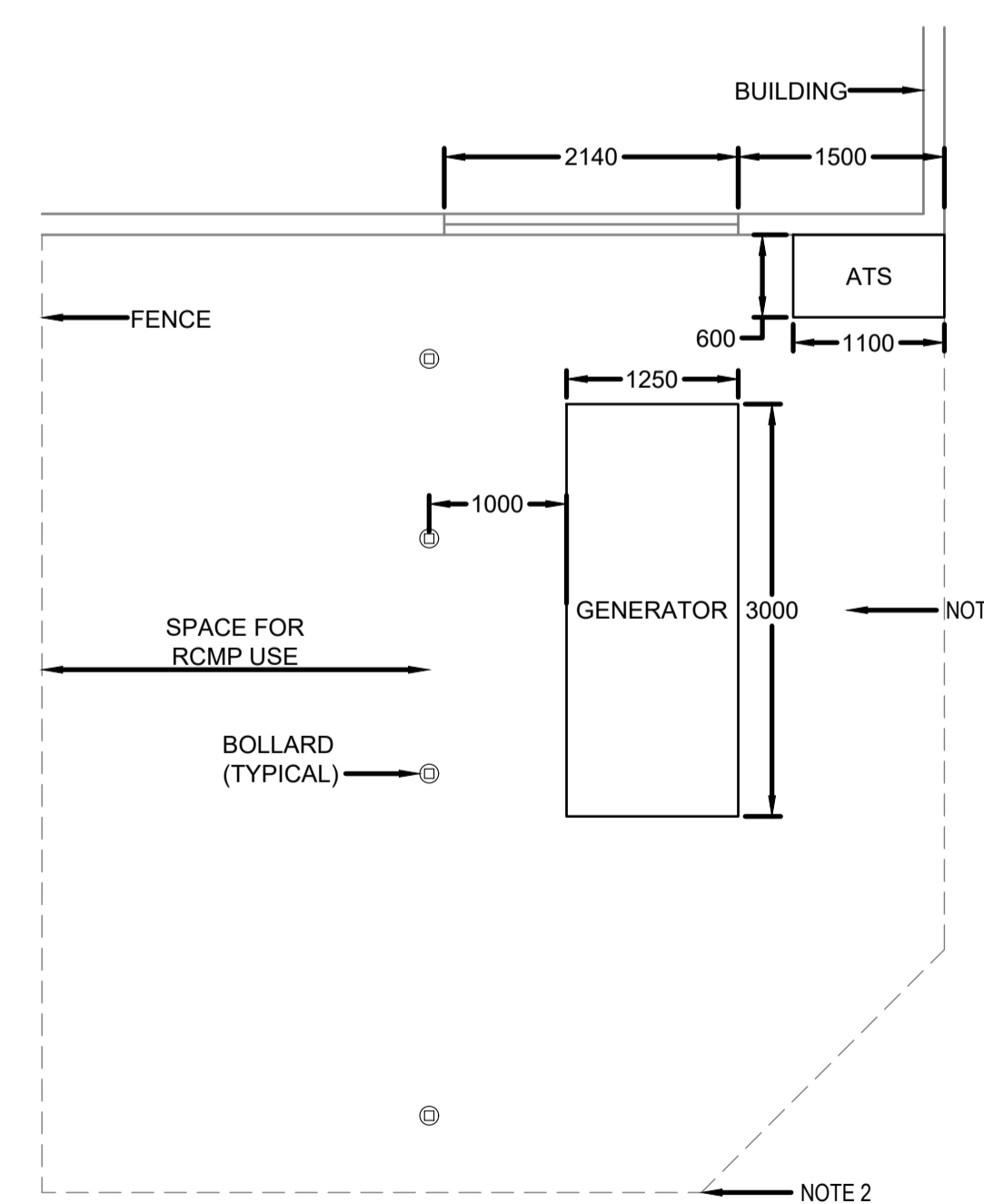
- CONTRACTOR TO OPEN UP EXISTING WOOD SOFFIT AND INSTALL TECK CABLING TO ABOVE THE LINE OF THE T-BAR IN THE INTERIOR AND PASS THROUGH BLOCK WALL. RE-INSTALL THE WOOD SOFFIT AFTER COMPLETION.



2 FENCED AREA ELEVATION
E1.0 NOT TO SCALE

NOTES:

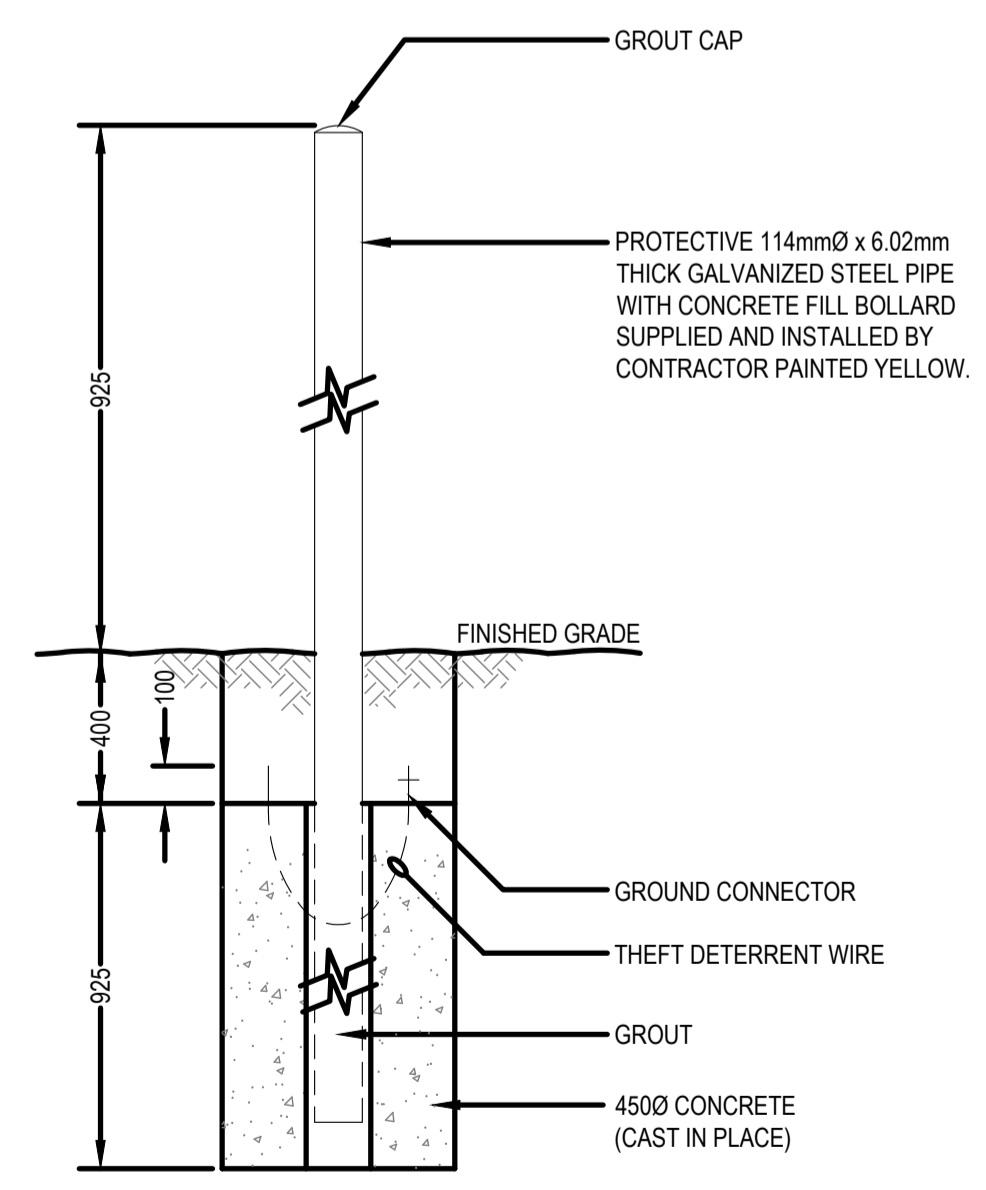
- CONTRACTOR TO OPEN UP EXISTING WOOD SOFFIT AND INSTALL TECK CABLING TO ABOVE THE LINE OF THE T-BAR IN THE INTERIOR AND PASS THROUGH BLOCK WALL. RE-INSTALL THE WOOD SOFFIT AFTER COMPLETION.



3 GENERATOR LOCATION IN FENCED AREA
E1.0 1:50

NOTES:

- EXACT LOCATION OF EQUIPMENT TO BE COORDINATED ON SITE WITH PSPC/RCMP REPRESENTATIVES BASED ON DIMENSIONS OF ACTUAL EQUIPMENT TO INSTALL ATS AND GENERATOR BY CODE AND MAXIMIZE SPACE FOR RCMP USE.
- EXISTING 4500mm FULL LENGTH SWING OUT DOOR.



4 TYPICAL BOLLARD DETAIL
E1.0 NOT TO SCALE

NOTES:

- REPAIR EXISTING ASPHALT AFTER INSTALLATION.



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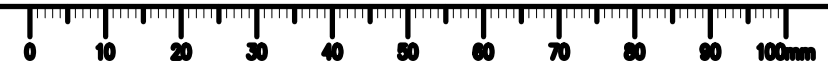
Revision/Revision	Description/Description	Date/Date
Client/client		
RCMP		

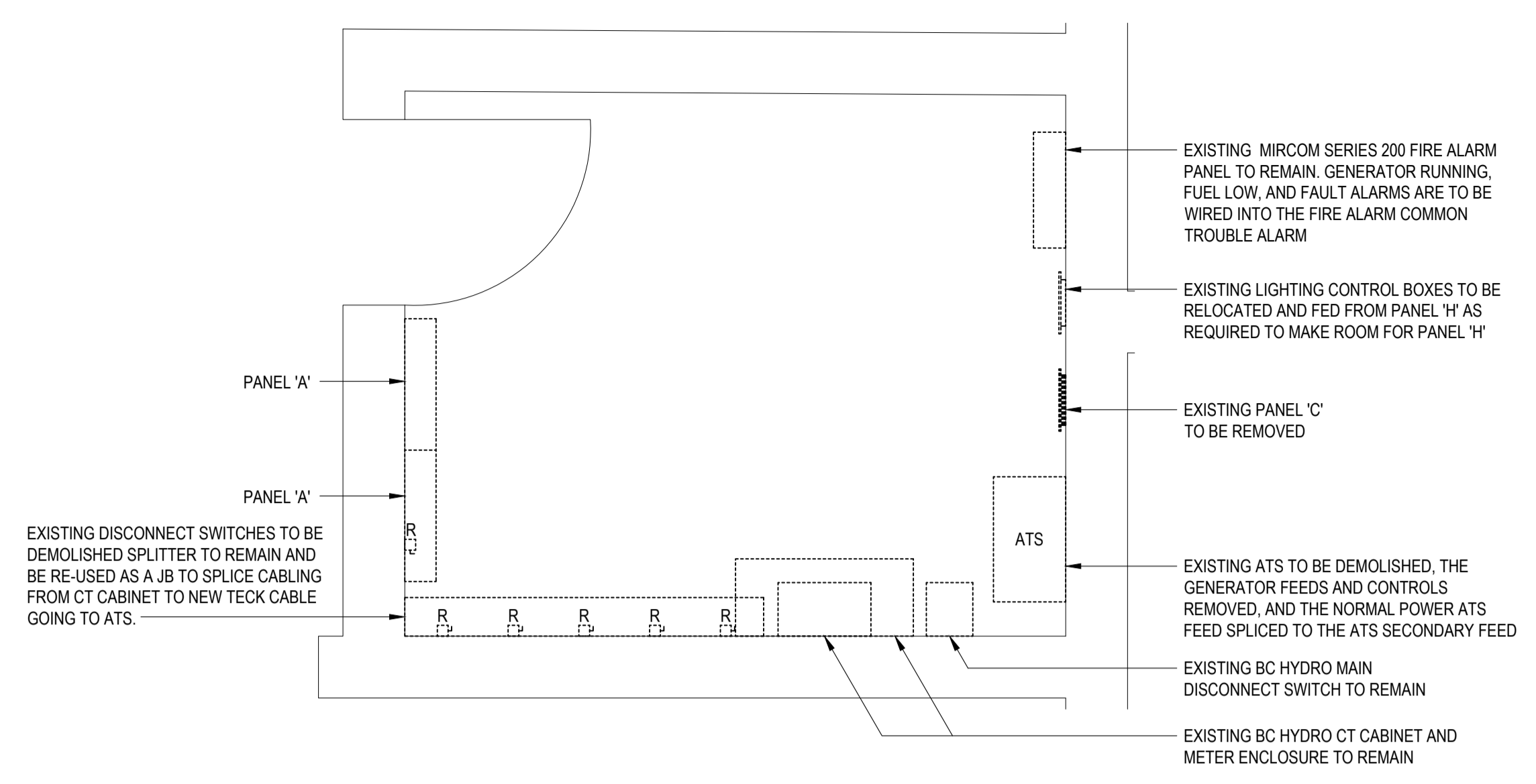
Project title/Titre du projet
HOPE DETACHMENT GENERATOR REPLACEMENT
690 OLD HOPE PRINCETON WAY
HOPE, BC

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-
Designed by/Concept par
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Drawn by/Dessiné par
GL/RS
PWGSC Project Manager/Administrateur de Projets TPSCG
Masood Dezfouli
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSCG
Preestipal Paul

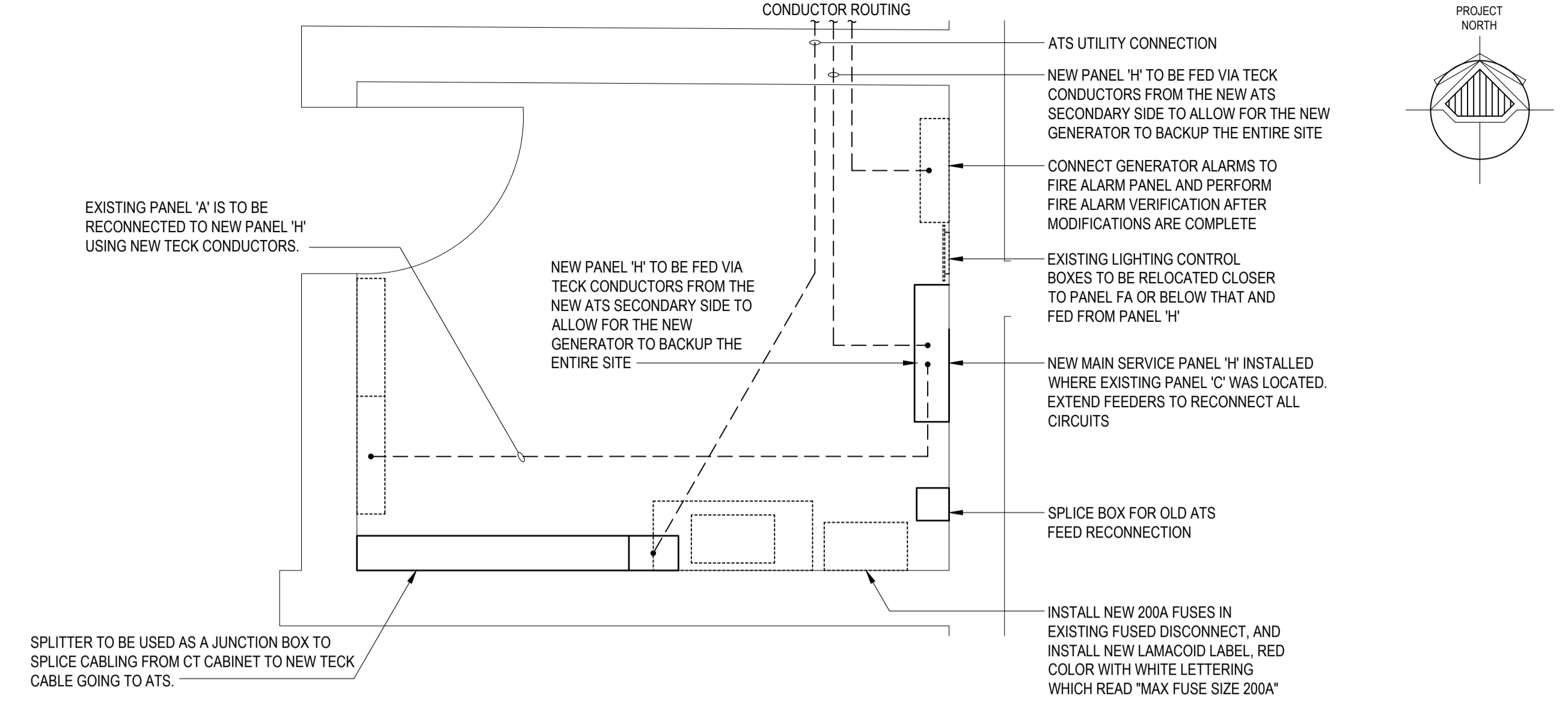
Drawing title/Titre du dessin
SITE PLAN

Project No./No. du projet R.109051.001	Sheet/Feuille E1.0	Revision no./ La Révision no. 1
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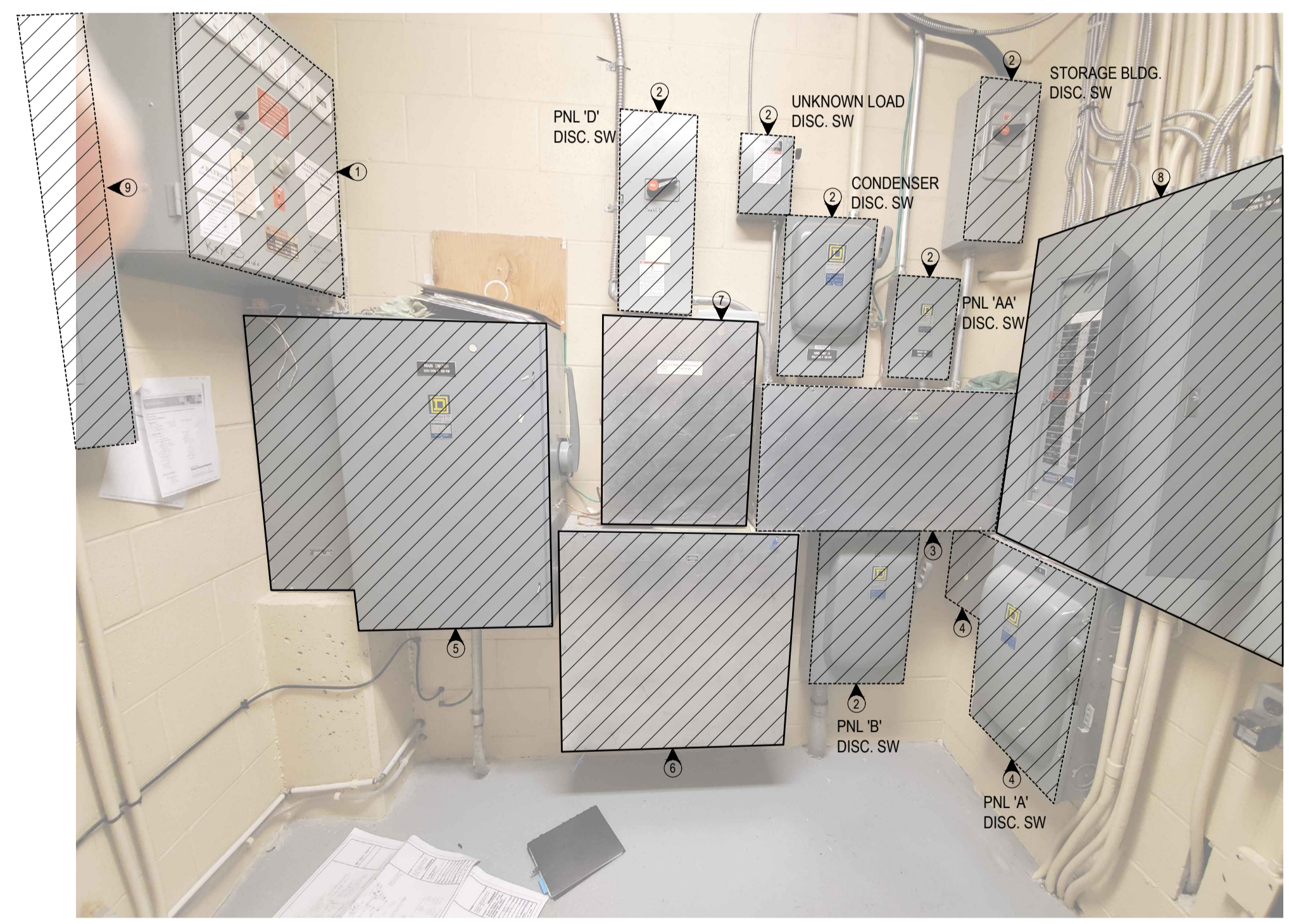




1 EXISTING MAIN ELECTRICAL ROOM
E1.1



2 REVISED MAIN ELECTRICAL ROOM
E1.1



3 EXISTING MAIN ELECTRICAL ROOM PHOTO
E1.1

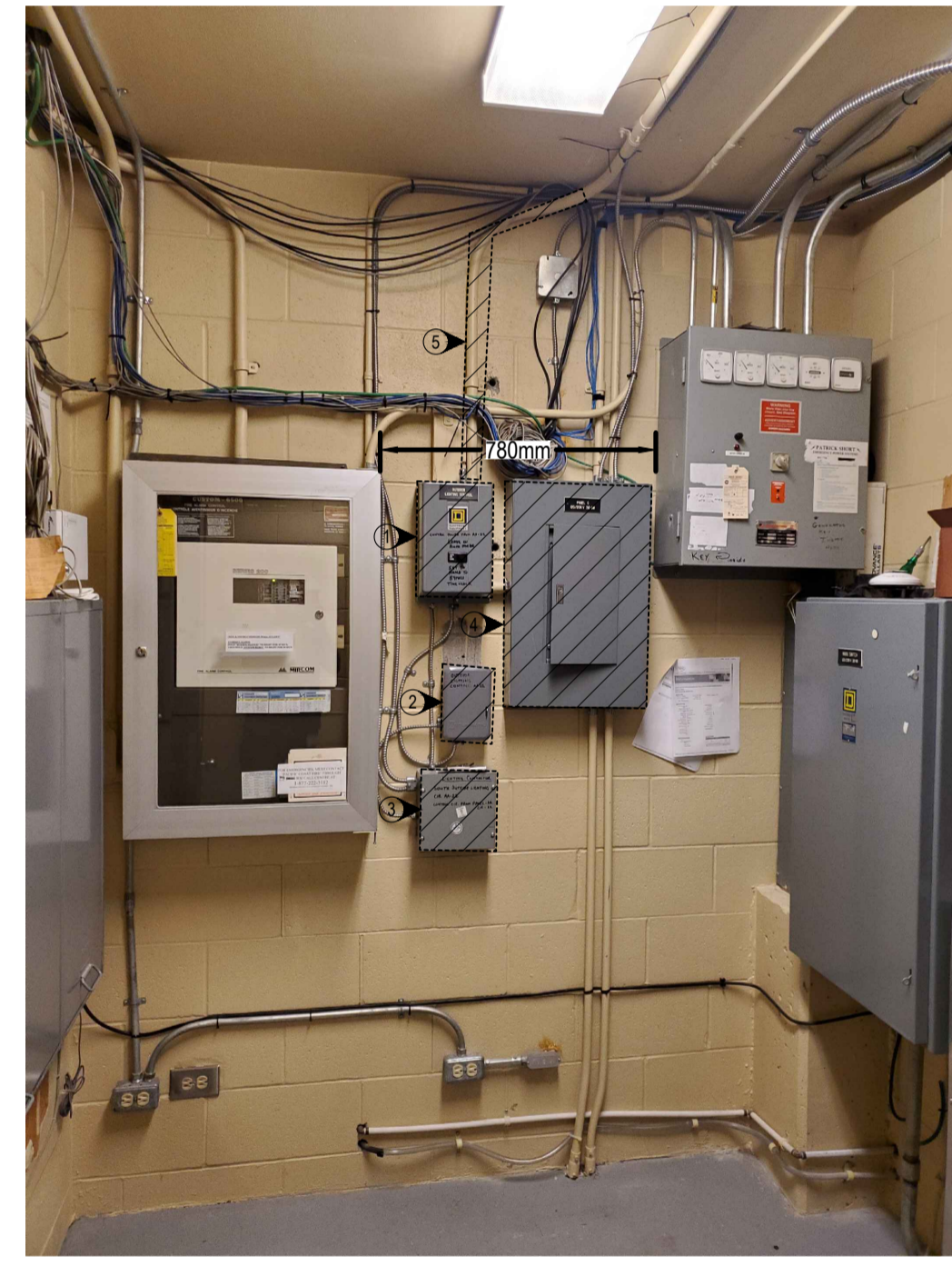
PANELBOARD SCHEDULE

JOB NO./NAME: 1-20-041 HOPE RCMP GENERATOR
 PANEL SYSTEM: H
 TYPE: 120/208V 3Ø 4W
 LOCATION: MAIN ELECTRICAL ROOM
 MOUNTING SURFACE: SURFACE
 NO. CIRCUITS: 42
 BUS SIZE: 225
 SYM. FAULT RATING: 10KA

DESCRIPTION	BRK	POLE	CCT	CCT	POLE	BRK	DESCRIPTION
*CU-1	100	3	01 02	3	60		SPARE
*PANEL 'D'	60	3	03 04	1	-		SPACE
			05 06	1	-		SPACE
			07 08	1	-		SPACE
			09 10	1	-		SPACE
*PANEL 'AA'	100	3	11 12	1	-		SPACE
			13 14	1	15		SIGN FLOOD LTS
			15 16	1	20		POST TOP LTS
			17 18	1	15		E. SIDE OUTSIDE LTS
SPARE	15	1	19 20	1	15		N-W SIDE OUTSIDE LTS
			21 22	1	15		UNKNOWN LOAD
*PANEL 'B'	150	3	23 24				
			25 26	3	150		PANEL 'A'
			27 28				
			29 30				
STORAGE BUILDING	60	3	31 32	1	15		SPARE
			33 34	1	15		SPARE
			35 36	1	20		SPARE
			37 38	1	20		SPARE
UNKNOWN LOAD	30	2	39 40				
			41 42				

CIRCUITS RELOCATED FROM EXISTING PANEL 'C'

*NOTE: CONFIRM ALL EXISTING FUSE SIZES ON SITE PRIOR TO ORDERING NEW PANELBOARD, ADJUST BREAKER SIZES AND FEEDERS TO MATCH AT NO ADDITIONAL COST



4 EXISTING MAIN ELECTRICAL ROOM PHOTO
E1.1

- KEYNOTES 4/E1.1**
- EXISTING CONTACTOR C/W HOA TO BE RELOCATED.
 - EXISTING TIME CLOCK TO BE RELOCATED.
 - EXISTING 2-POLE CONTACTOR TO BE RELOCATED.
 - EXISTING PANEL 'C' TO BE REMOVED. FIVE (5) CIRCUITS TO BE MIGRATED TO NEW PANEL 'H'.
 - CONDUIT FROM PANEL 'A' C/W WITH CIRCUITS 20, 22, 24.

- GENERAL NOTES 4/E1.1**
- CONTRACTOR TO ALLOW FOR AT LEAST FOUR (4) HOURS OF TIME TO INVESTIGATE THE EXISTING OPERATION OF EXTERIOR LIGHTING CONTROL.
 - RELOCATE EXISTING CONTACTOR, TIME CLOCK AND 2-POLE CONTACTOR TO BELOW EXISTING FIRE ALARM PANEL. INSTALL NEW 40A 6 CIRCUIT LOAD CENTER TO REPLACE PANEL 'C', RE-ARRANGE AND RELOCATE ALL THE EXISTING WIRING AND RE-ESTABLISH ALL WIRING TO CONTROL THE EXTERIOR LIGHTING.
 - ALL WORK NOTED ABOVE TO BE COMPLETED DURING THE DAY TIME AND TO ENSURE ALL EXTERIOR LIGHTING IS OPERATIONAL AFTER DUSK.
 - ONCE ABOVE HAS BEEN COMPLETED, THERE SHOULD BE ADEQUATE WALL SPACE TO INSTALL NEW PANEL 'H'.
 - RELOCATE ALL COMMUNICATIONS, CONTROLS AND POWER CONDUCTORS AND RACEWAYS. INVESTIGATE AND USE TERMINATION LOCATION END TO END.
 - COORDINATE WITH DEPARTMENTAL REPRESENTATIVE AND ENSURE THERE IS NO IMPACT ON BUILDING OPERATION PRIOR TO ALL RELOCATIONS.

DEMOLITION KEYNOTES 3/E1.1

- EXISTING GENERATOR ATS TO BE DEMOLISHED.
- EXISTING FUSED DISCONNECT SWITCHES TO BE DEMOLISHED. EXISTING FEEDERS AND CONDUITS TO BE ADJUSTED AND RECONNECTED TO NEW PANEL BOARD. INCLUDE COST FOR JB SPLICE BOXES, CONDUIT ALTERNATIONS, AND CONDUIT EXTENSIONS ARE REQUIRED TO REVISE THESE CIRCUITS.
- EXISTING SPLITTER BOX TO BE USED TO SPLICE THE BUILDING SERVICE FEEDER TO ATS UTILITY CONNECTION TECK CABLE.
- EXISTING RACEWAY AND DISCONNECT SWITCH FOR PANEL 'A' TO BE DEMOLISHED AND REPLACED WITH NEW TECK FEEDER FROM NEW PANEL 'H'.

INFORMATION KEYNOTES 3/E1.1

- EXISTING BC HYDRO WIREWAY AND SERVICE ENTRANCE MAIN DISCONNECT SWITCH TO REMAIN. REPLACE EXISTING FUSES WITH NEW, AND INSTALL LAMACOID WARNING LABEL AS INDICATED IN 2/E2.0.
- EXISTING BC HYDRO METERING CABINET TO REMAIN.
- EXISTING BC HYDRO METER TO REMAIN.
- EXISTING PANEL 'A' TO REMAIN.
- EXISTING PANEL 'C' TO BE REMOVED.



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1	ISSUED FOR TENDER	21/08/19
0	ISSUED FOR 100% REVIEW	20/04/14

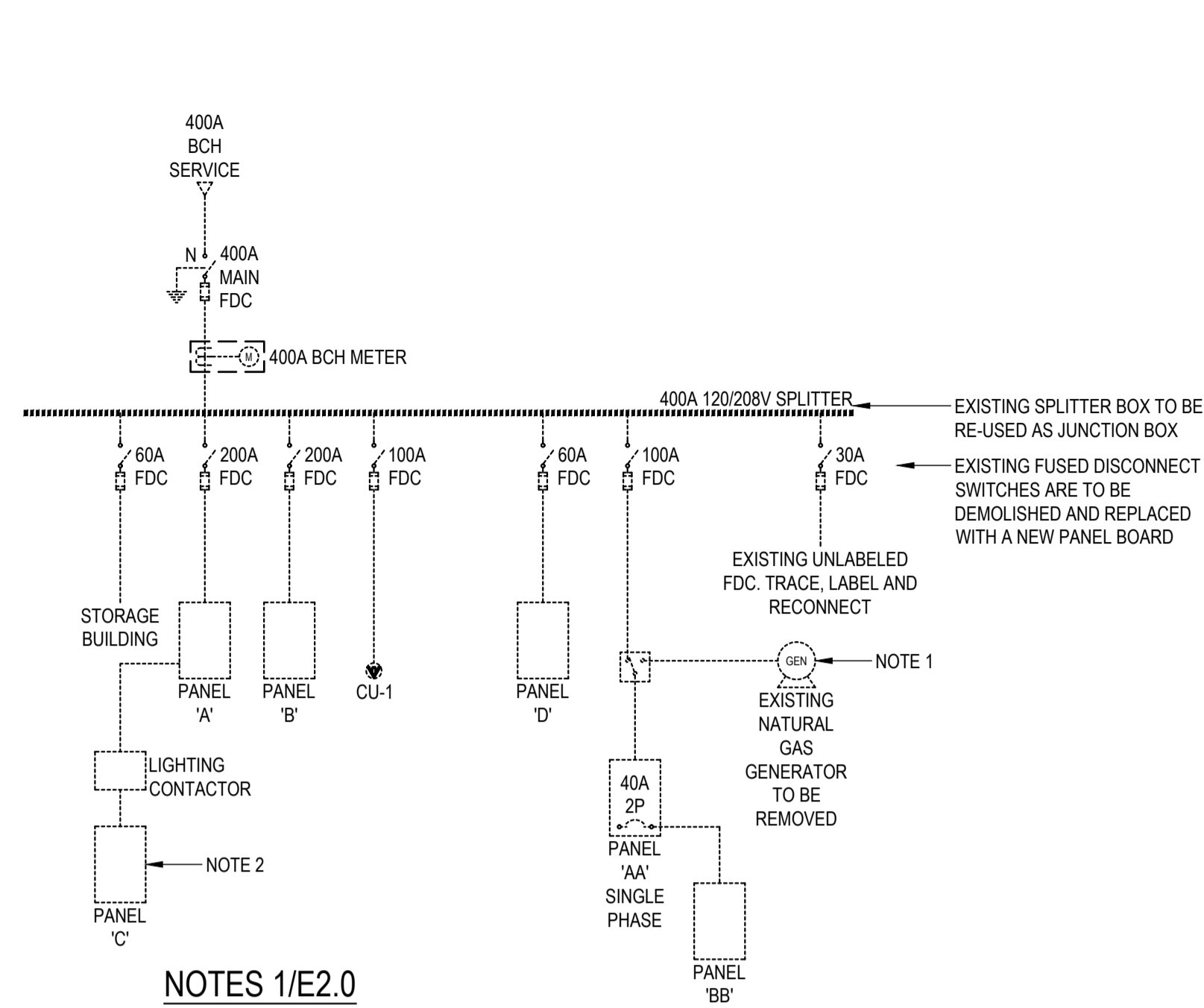
Revision/Revision Description/Description Date/Date
 Client/client
RCMP

Project title/Titre du projet
HOPE DETACHMENT GENERATOR REPLACEMENT
 690 OLD HOPE PRINCETON WAY
 HOPE, BC

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 Designed by/Concept par
 JB/AT
 Drawn by/Dessiné par
 GL/RS
 PWGSC Project Manager/Administrateur de Projets TPSGC
 Masood Dezfouli
 Regional Manager, Architectural and Engineering Services
 Gestionnaire régionale, Services d'architectural et de génie, TPSGC
 Praetipal Paul

Drawing title/Titre du dessin
MAIN FLOOR ELECTRICAL LAYOUT

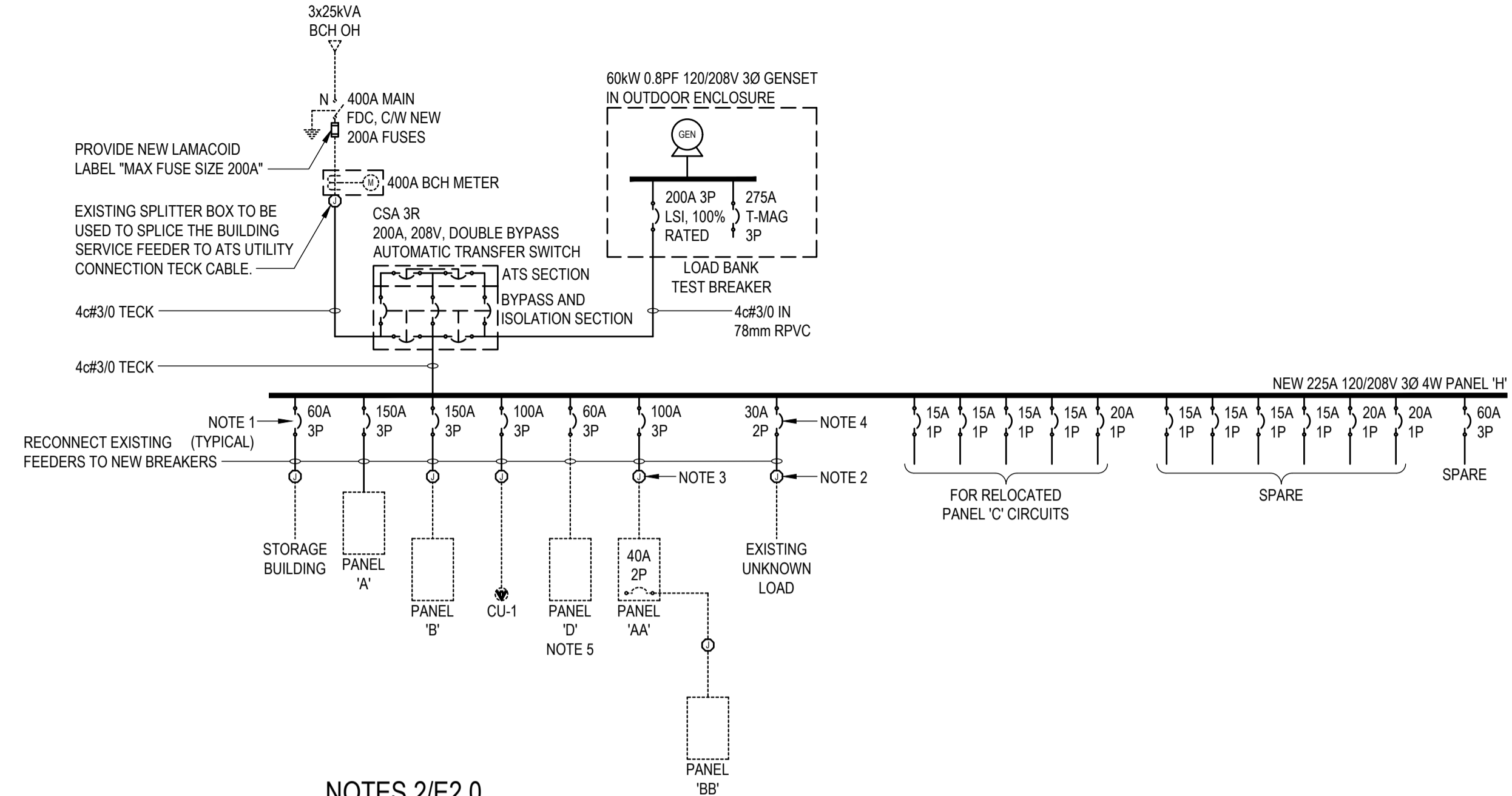
Project No./No. du projet R.109051.001	Sheet/Feuille E1.1	Revision no./La Révision no. 1
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NOTES 1/E2.0

- EXISTING GENERATOR, ATS, FUEL PIPING, CONDUITS, CABLES AND ALL ASSOCIATED SYSTEMS TO BE DEMOLISHED AND REMOVED FROM SITE. EXISTING ATS TO BE REPLACED WITH NEW JUNCTION BOX AND EXISTING CABLES SPLICED FOR PANEL 'AA'. CONTRACTOR TO HIRE LICENSED GAS FITTER TO TRACE THE EXISTING FUEL PIPING TO THE SOURCE AND DISCONNECT AND CAP. ALL ACCESSIBLE/EXPOSED PIPING TO BE REMOVED. ALL NON-ACCESSIBLE PIPING SUCH AS THOSE IN WALLS ETC. TO REMAIN.
- PANEL 'C' TO BE REMOVED TO MAKE ROOM FOR NEW PANEL 'H'. RELOCATE CIRCUITS FROM PANEL 'C' C/W WITH FEEDER AND BREAKER TO PANEL 'H'.

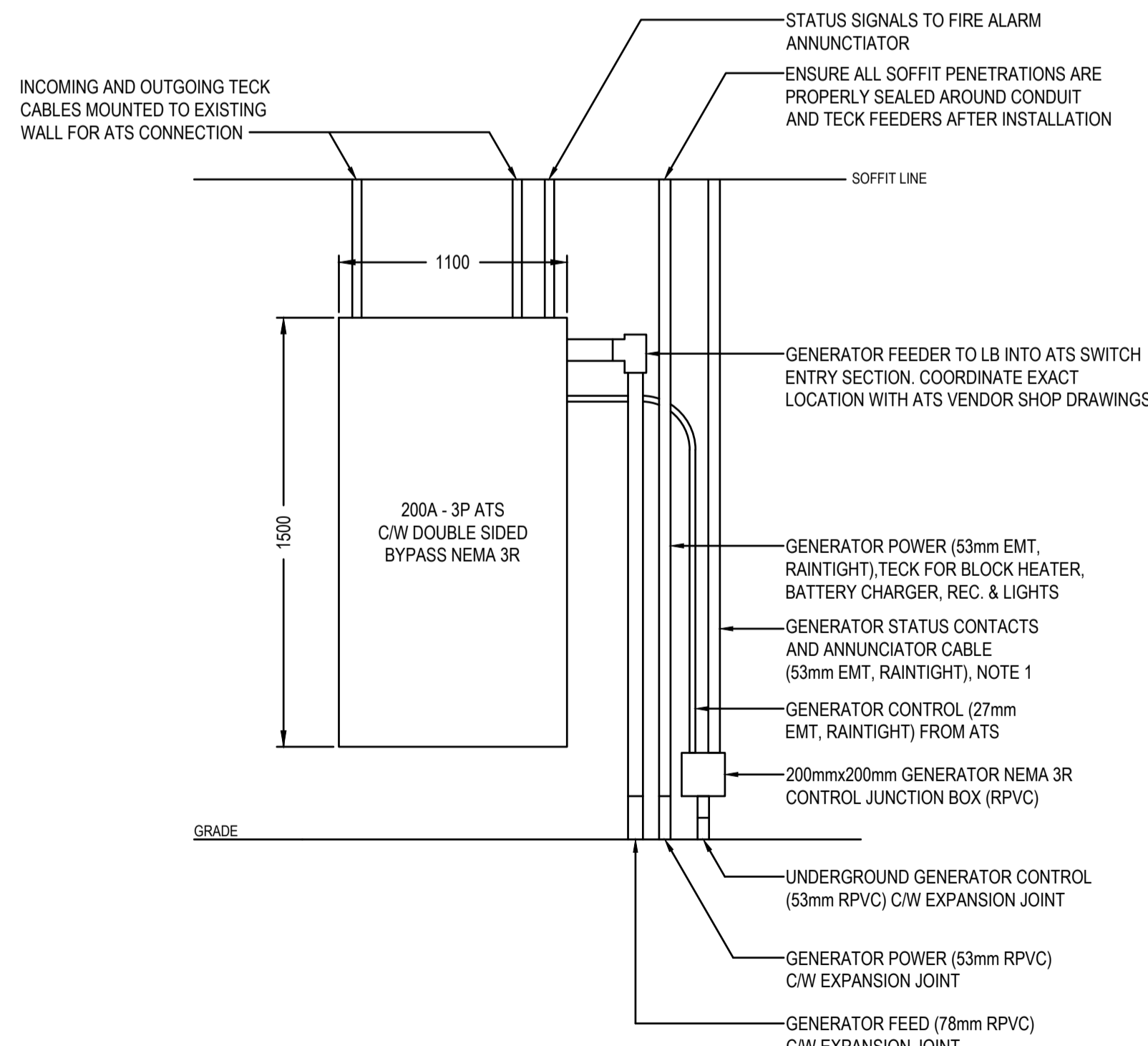
1 EXISTING SINGLE LINE DIAGRAM
E2.0 NOT TO SCALE



NOTES 2/E2.0

- CONTRACTOR TO ALLOW FOR BREAKER SIZES IN NEW PANEL 'H' AS INDICATED. EXACT SIZE FOR ALL BREAKERS TO BE CONFIRMED ON SITE AFTER SITE INVESTIGATION AND CONFIRMING SIZE OF EXISTING CONDUCTORS GOING OUT OF THE EXISTING SPLITTER AND THE RATING OF FUSES IN THE EXISTING DISCONNECTS THAT ARE REMOVED.
- PROVIDE AND INSTALL JUNCTION BOX TO SPLICE EXISTING FEEDERS TO NEW PANEL 'H'. SPLICES TO BE DONE USING BARREL CONNECTORS AND HEAT SHRINK TUBING. PROVIDE INDIVIDUAL JUNCTION BOX FOR EACH SPLICE (TYPICAL)
- INSTALL JUNCTION BOX AND SPLICE EXISTING ATS CONDUCTORS TOGETHER. SPLICE USING BARREL CONNECTORS AND HEAT SHRINK TUBING.
- CONTRACTOR TO INVESTIGATE UNKNOWN LOAD AND ALLOW FOR ONE (1) 30A 2P BREAKER AND FEEDER IN TENDER.
- PANEL 'D' FEEDS CRITICAL LOADS IN THE BUILDING. RE-FEEDING OF THIS PANEL FROM NEW PANEL 'H' IS TO BE COORDINATED WITH THE USERS WELL IN ADVANCE.

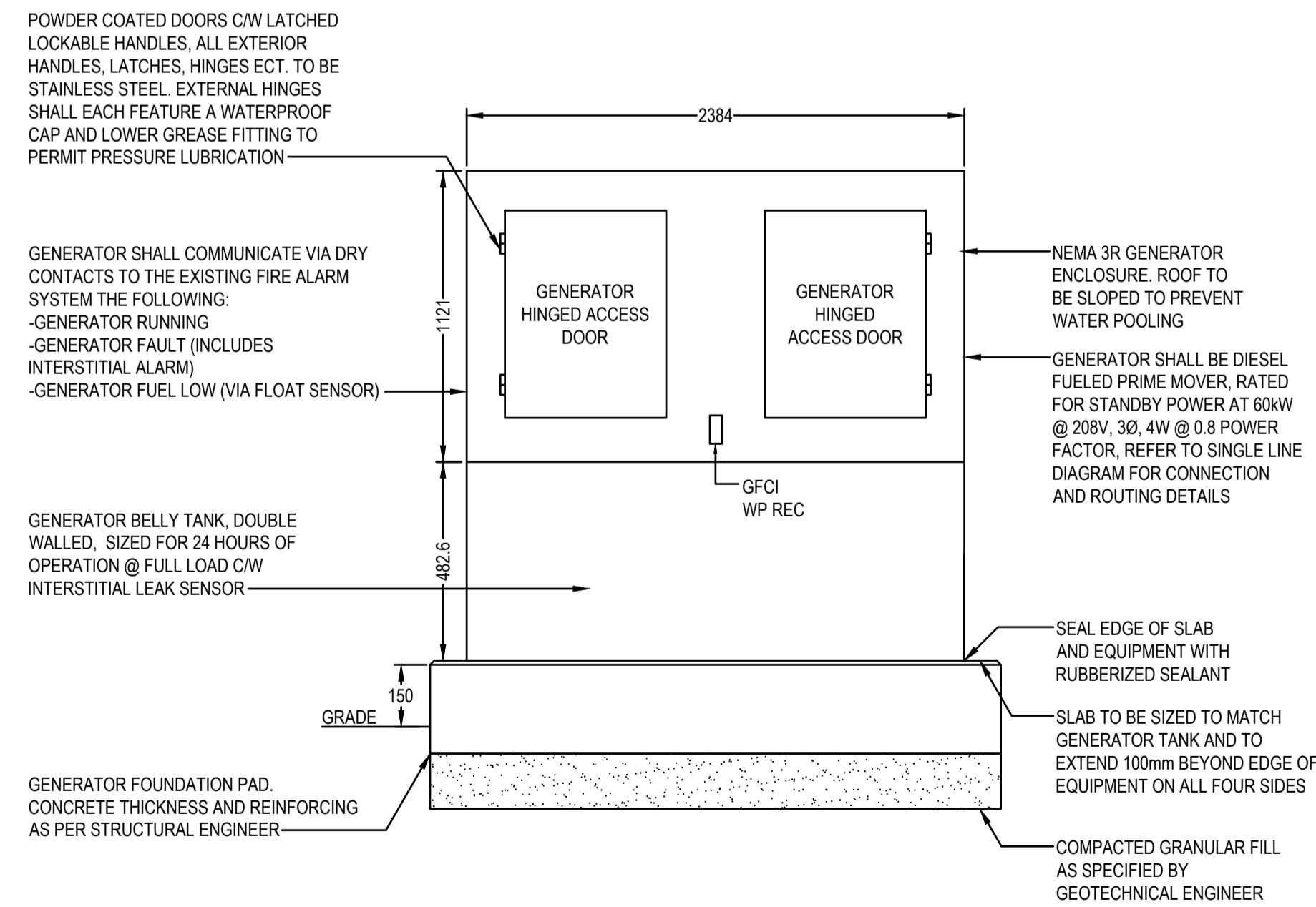
2 REVISED SINGLE LINE DIAGRAM
E2.0 NOT TO SCALE



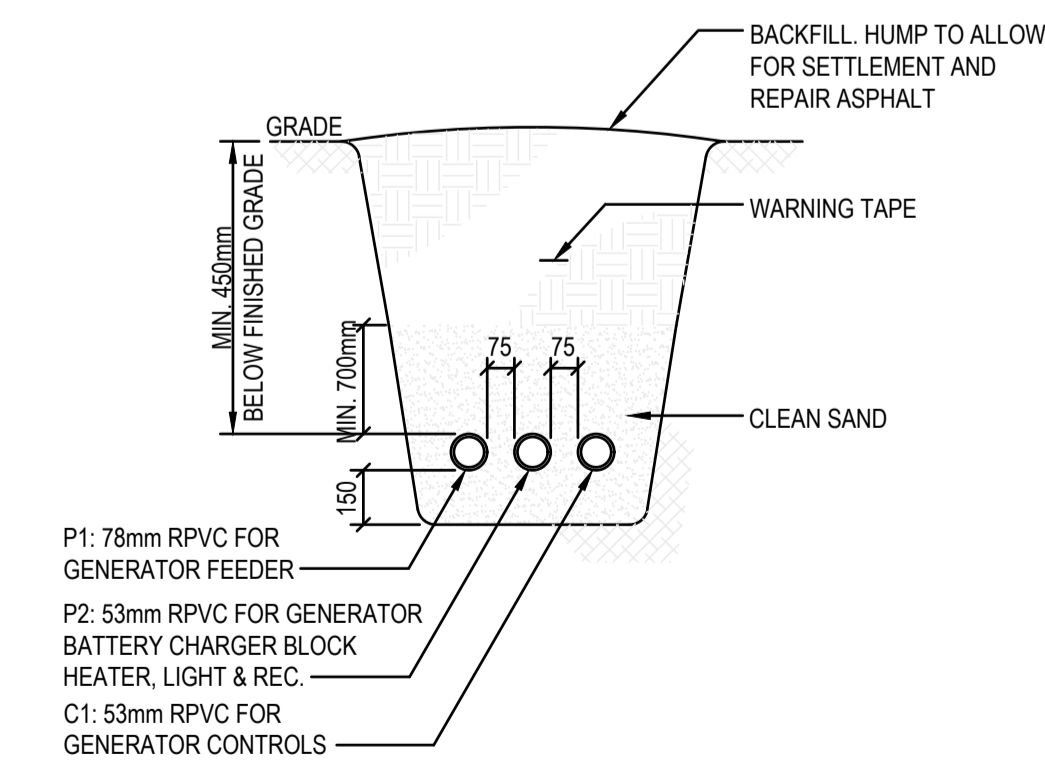
NOTES 3/E2.0

- CONTRACTOR TO TRANSITION FROM CONDUIT TO TECK CABLE IN BUILDING INTERIOR ABOVE T-BAR CEILING. INSTALL A CABLE TRAY FOR TECK CABLES ABOVE INTERIOR CEILING.

3 ATS ELEVATION DETAIL
E2.0 NOT TO SCALE



4 GENERATOR ELEVATION DETAIL
E2.0 NOT TO SCALE



5 TRENCH DETAIL
E2.0 NOT TO SCALE



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1	ISSUED FOR TENDER	21/08/19
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**HOPE DETACHMENT
GENERATOR REPLACEMENT**
**690 OLD HOPE PRINCETON WAY
HOPE, BC**

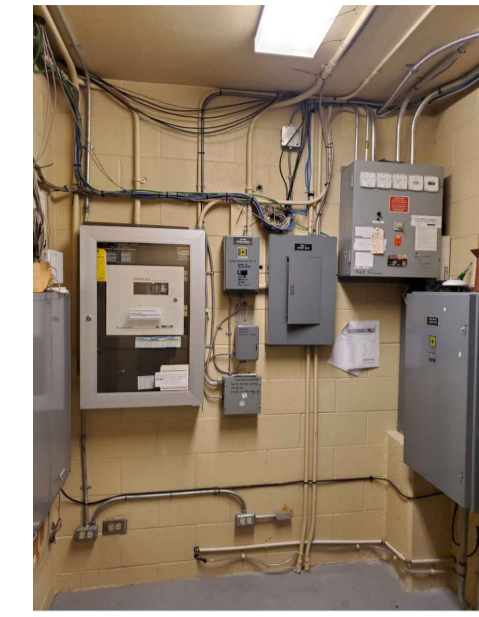
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Designed by/Concept par
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Drawn by/Dessine par
GL/RS
PWSC Project Manager/Administrateur de Projets TPSCG
Masood Dezfouli
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architecture et de génie, TPSCG
Preetpal Paul
Drawing title/Titre du dessin
DETAILS

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.109051.001	E2.0	1



NOTE 1

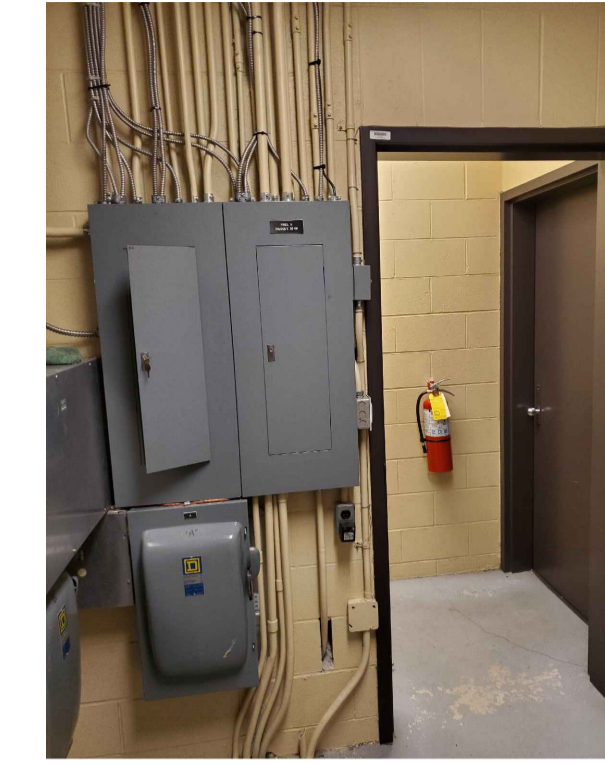
1 MAIN ELECTRICAL ROOM NORTH WALL
E2.1 NOT TO SCALE



2 MAIN ELECTRICAL ROOM EAST WALL
E2.1 NOT TO SCALE



3 MAIN ELECTRICAL ROOM SOUTH WALL
E2.1 NOT TO SCALE

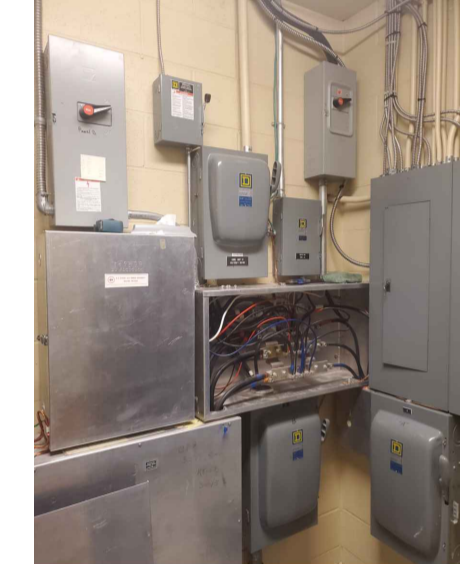


4 MAIN ELECTRICAL ROOM WEST WALL
E2.1 NOT TO SCALE

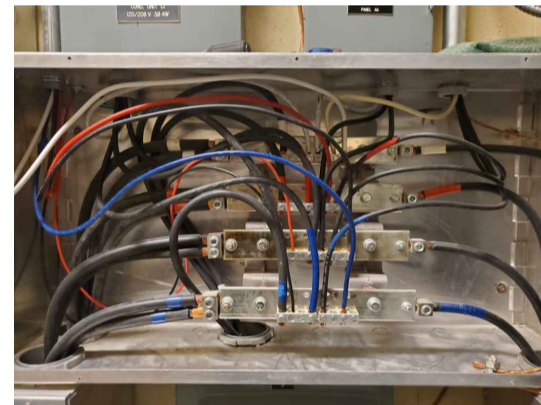


5 PANEL 'C' EXTERIOR LIGHTING CONTACTOR AND TIME CLOCK
E2.1 NOT TO SCALE

NOTES
1. GREY MASTIC ASBESTOS CONTAINING MATERIAL (ACM) AT THE BOTTOM OF TELUS PANEL. COVER THE ENTIRE CABLE WITH HEAVY DUTY POLY DURING CONSTRUCTION TO ENSURE ACM IS NOT DISTURBED. REMOVE POLY AFTER COMPLETION OF WORK.



6 EXISTING SERVICE SPLITTER OVERALL ARRANGEMENT
E2.1 NOT TO SCALE



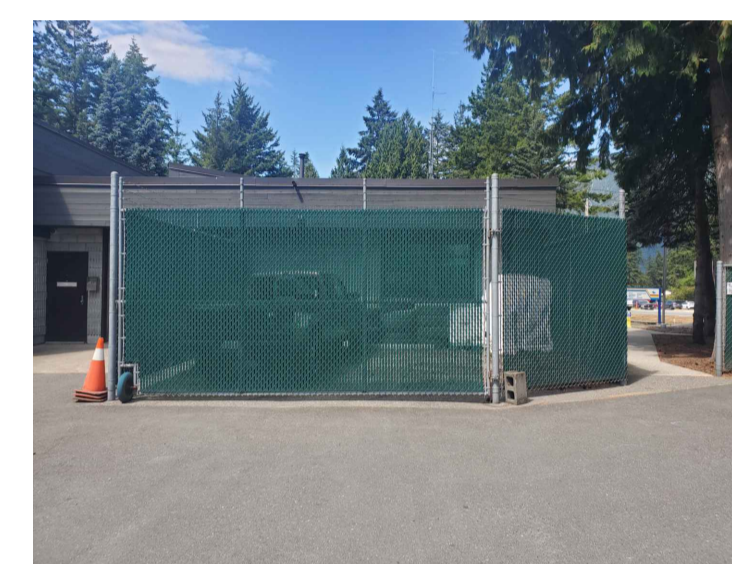
7 EXISTING SERVICE SPLITTER
E2.1 NOT TO SCALE



8 FIRE ALARM PANEL
E2.1 NOT TO SCALE



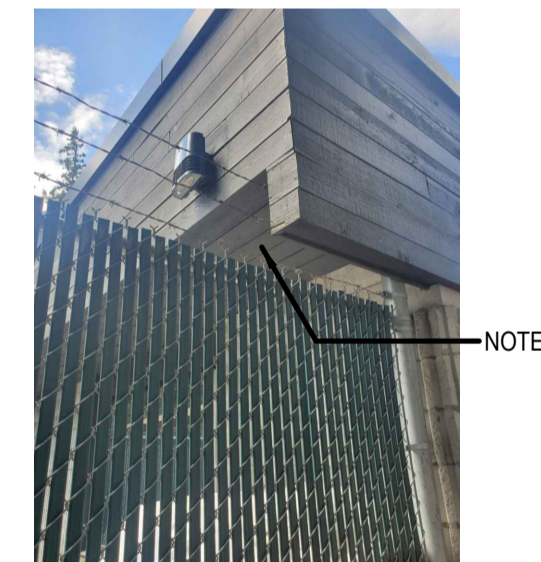
9 FIRE ALARM PANEL DETAILS
E2.1 NOT TO SCALE



10 EXISTING FENCED AREA #1
E2.1 NOT TO SCALE



11 EXTERIOR FENCED AREA #2
E2.1 NOT TO SCALE



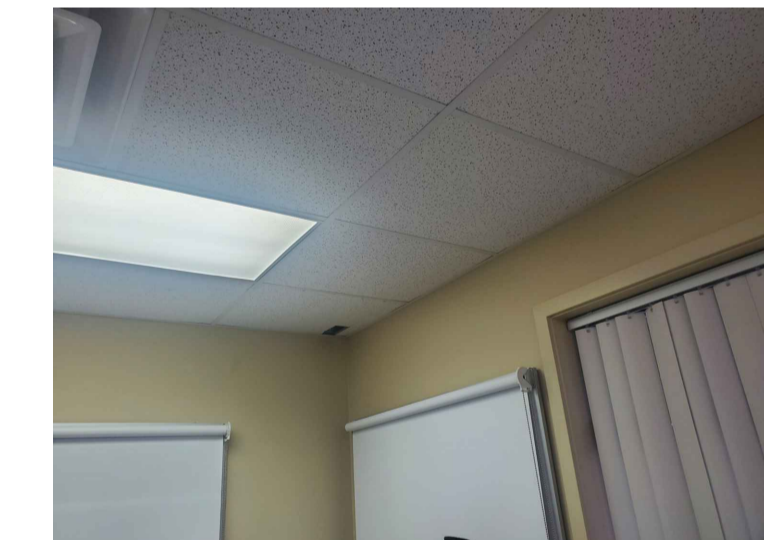
12 EXTERIOR FENCED AREA #3
E2.1 NOT TO SCALE



13 EXISTING GENERATOR #1
E2.1 NOT TO SCALE



14 EXISTING GENERATOR #2
E2.1 NOT TO SCALE



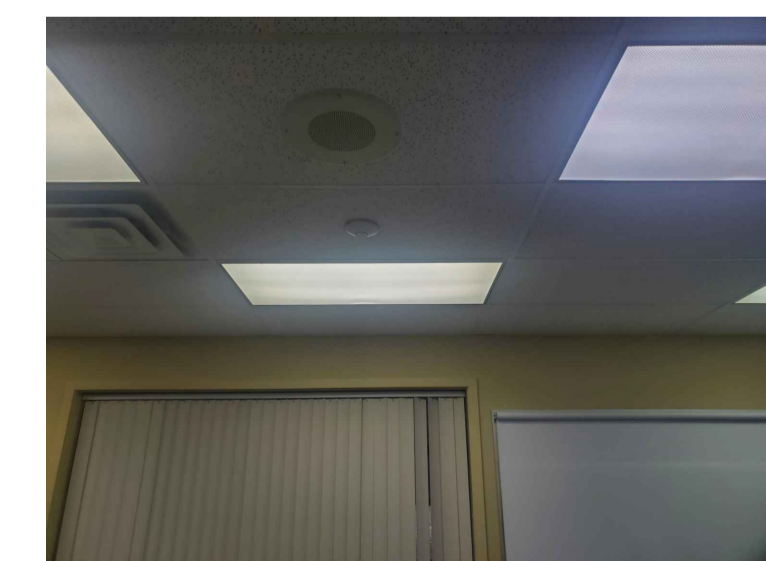
15 ATS TO MAIN ELECTRICAL ROOM CABLE ROUTING #1
E2.1 NOT TO SCALE

NOTES
1. SEE NOTE 1 IN 2/E1.0.

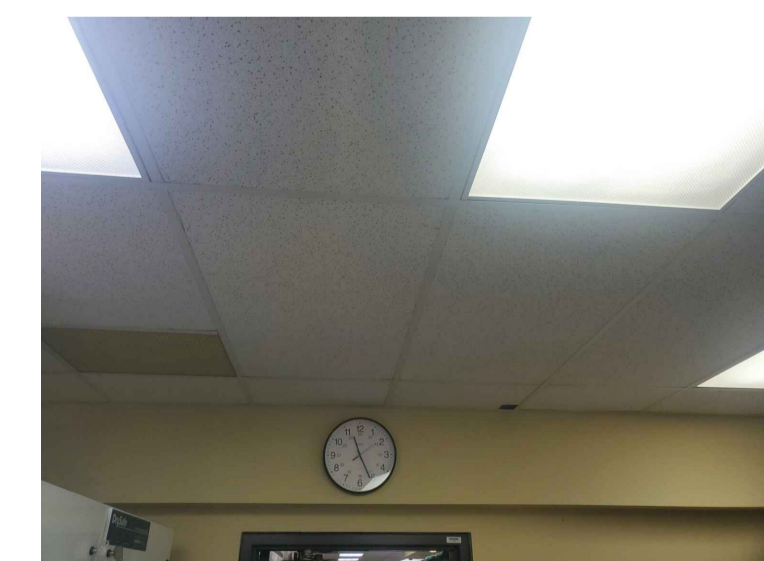
NOTES
1. REMOVE EXISTING GENERATOR AND PROTECTING CAGE.

NOTES
1. REMOVE GAS PIPE FEEDING EXISTING GENERATOR UP TO THE SOURCE.

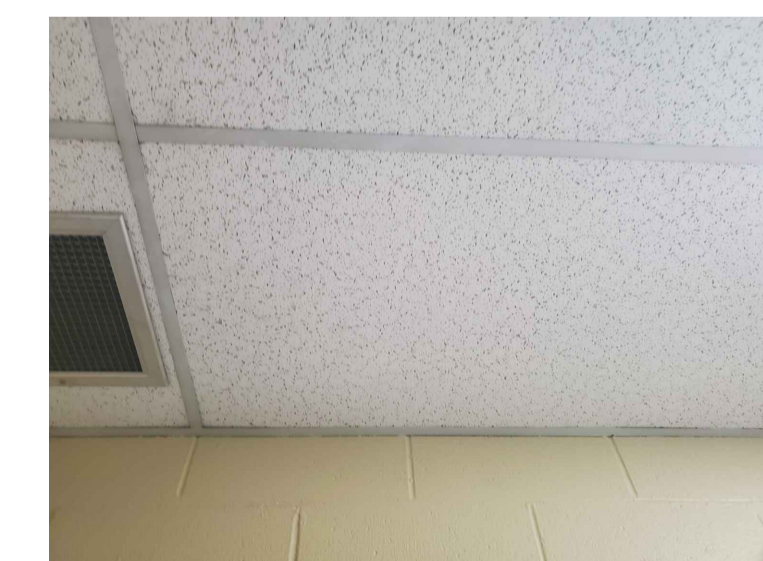
NOTES
1. ALL NEW WIRING TO/FROM NEW GENERATOR TO BE INSTALLED HIDDEN IN T-BAR CEILING SPACE.



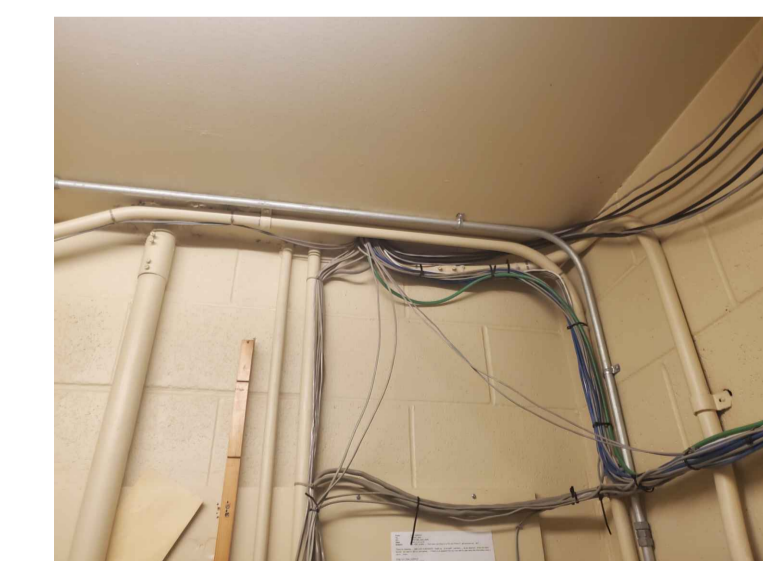
16 ATS TO MAIN ELECTRICAL ROOM CABLE ROUTING #2
E2.1 NOT TO SCALE



17 ATS TO MAIN ELECTRICAL ROOM CABLE ROUTING #3
E2.1 NOT TO SCALE

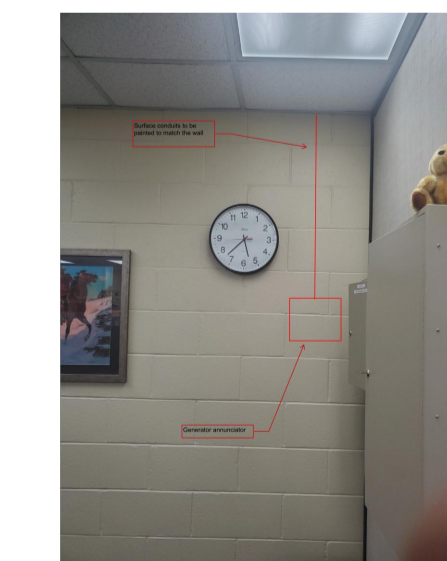


18 ATS TO MAIN ELECTRICAL ROOM CABLE ROUTING #4
E2.1 NOT TO SCALE



19 ATS TO MAIN ELECTRICAL ROOM CABLE ROUTING #5
E2.1 NOT TO SCALE

NOTES
1. SEAL AND FIRESTOP ALL PENETRATIONS AFTER COMPLETION OF WORK.



20 NEW GENERATOR ANNUNCIATOR LOCATION
E2.1 NOT TO SCALE

NOTES
1. INSTALL NEW GENERATOR ANNUNCIATOR SURFACE MOUNTED ON THE BLOCK WALL. PAINT THE CONDUIT TO MATCH SURROUNDING WALL.

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HOPE DETACHMENT GENERATOR REPLACEMENT

690 OLD HOPE PRINCETON WAY
HOPE, BC

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Masood Dezfouli
Regional Manager, Architectural and Engineering Services
Gestionnaire régionale, Services d'architectural et de génie, TPSGC
Précepteur Paul

Drawing title/Titre du dessin
PICTURES

Project No./No. du projet R.109051.001	Sheet/Feuille E2.1	Revision no./La Révision no. 1
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