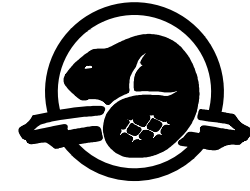


**Government  
of Canada**

**Gouvernement  
du Canada**



Parks Canada

Parcs Canada

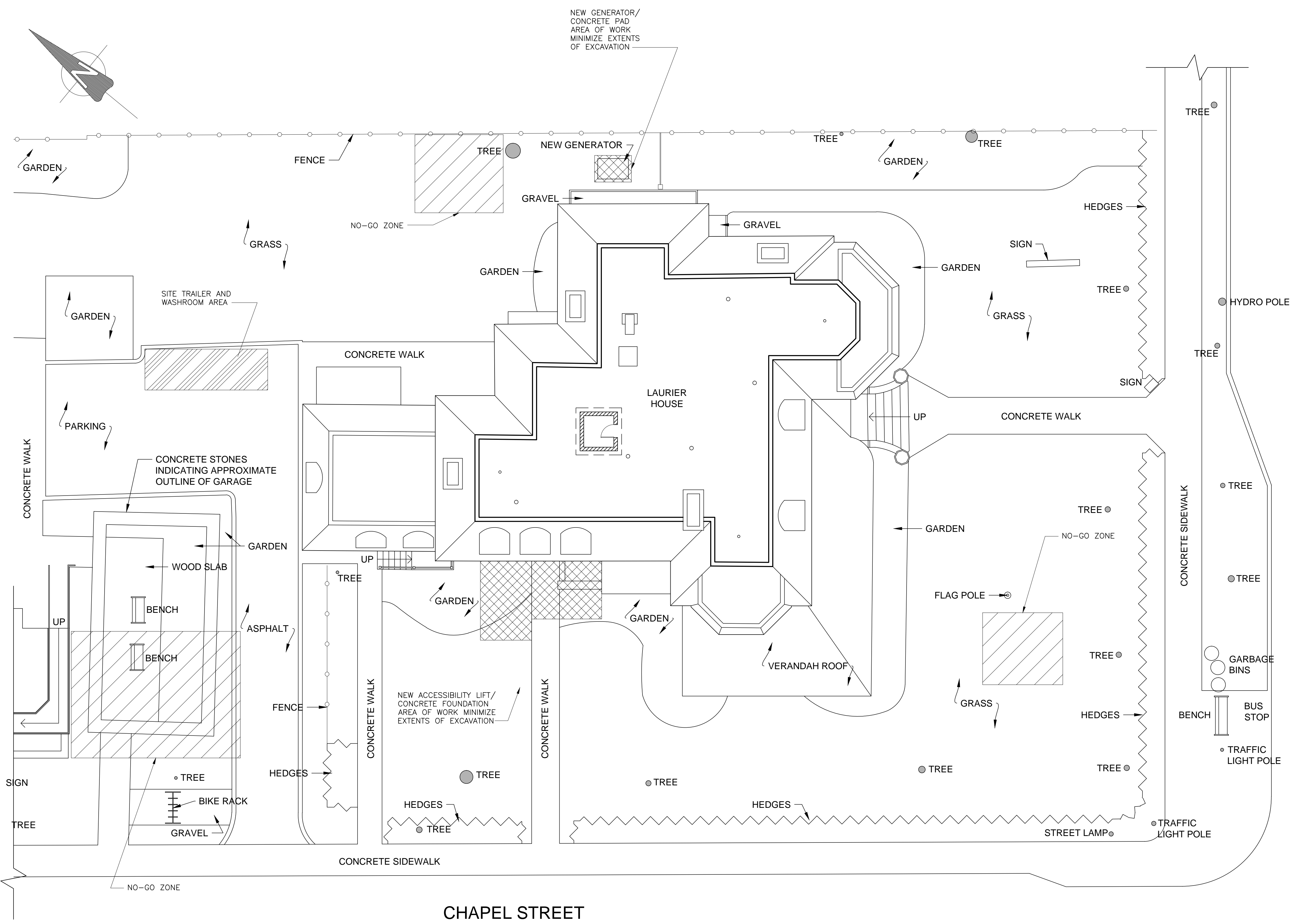
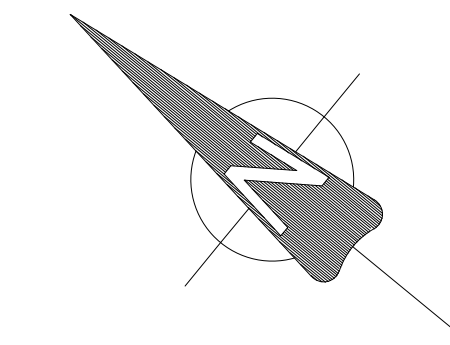
Georgian Bay and  
Eastern Ontario  
Field Unit

Unité de gestion de la  
Baie Georgienne et  
Est de l'Ontario

**LAURIER HOUSE N.H.S.C. -  
GENERATOR PURCHASE, INSTALLATION,  
AND EXISTING CONCRETE PAD REMOVAL AND REPLACEMENT  
335 LAURIER AVENUE EAST,  
OTTAWA,  
ONTARIO**

**PROJECT NO. R45369810**

**Canada**



**SITE CONSTRUCTION/LOCATION**  
SCALE : 1:100

**NO GO ZONE** - AREAS IN WHICH NO CONSTRUCTION ACTIVITIES INCLUDING ACCESS ROUTES AND STAGING ARE PERMITTED WITHOUT PRIOR DEPARTMENTAL APPROVAL AND GROUND PROTECTION MEASURES IN PLACE

No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé
D01	17/03/31	ISSUED FOR CONSTRUCTION	APL	NDL

A	Detail number / Numéro de détail	A
B	Sheet number / Numéro de la feuille	B
Linear dimensions in millimetres / Dimensions linéaires en millimètres		

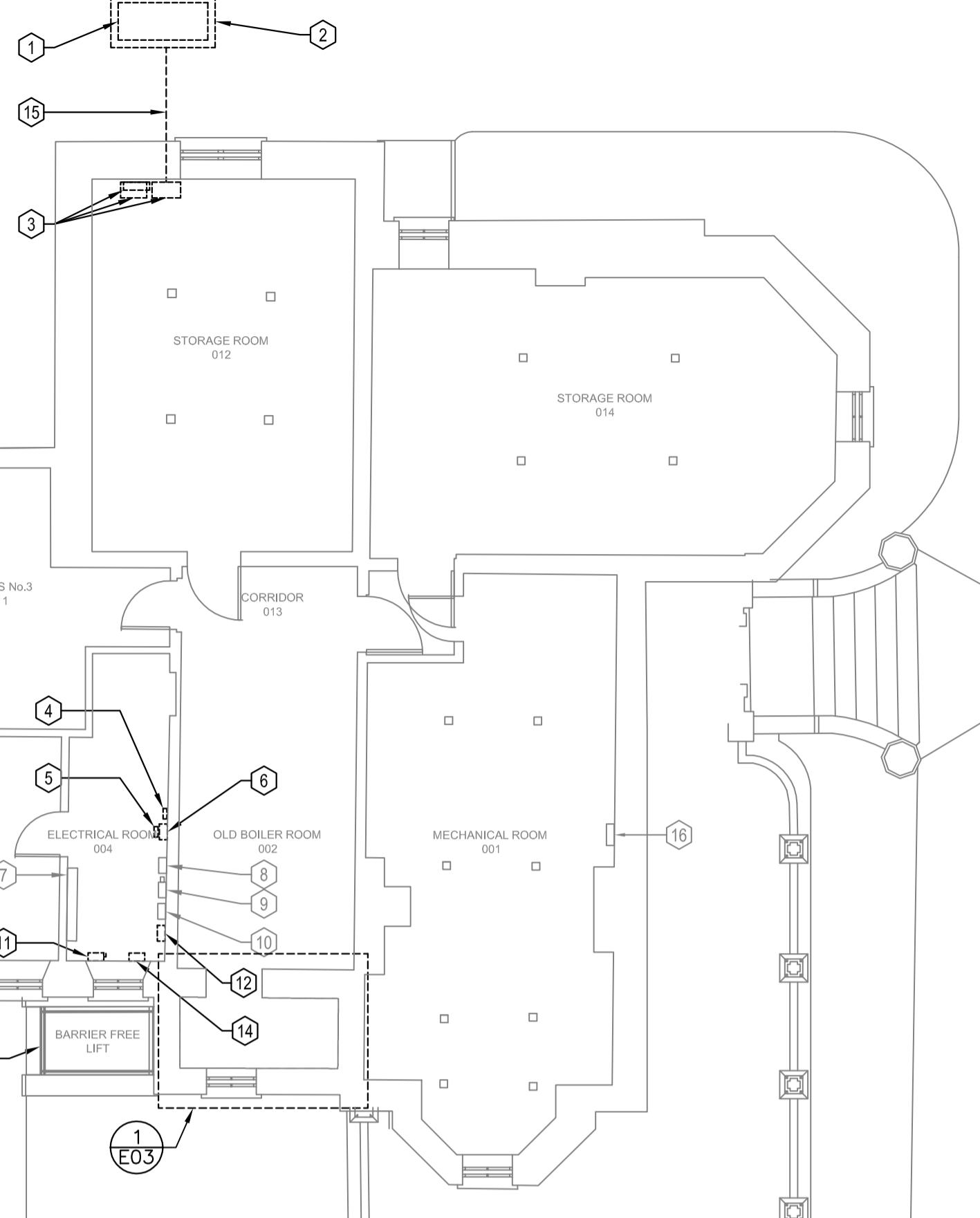
Consultant's Name / Nom de l'expert-conseil  
**SNC-LAVALIN**  
SNC-LAVALIN Inc.  
Halifax, Nova Scotia, Canada  
Member of the SNC-LAVALIN Group

Project title / Titre du projet  
**LAURIER HOUSE N.H.S.C. - GENERATOR PURCHASE, INSTALLATION, AND EXISTING CONCRETE PAD REMOVAL AND REPLACEMENT**

Drawing title / Titre du dessin  
**SITE CONSTRUCTION/LOCATION PLAN AND NO-GO ZONES**

Designed by / Concept par MAP	Date 2016/10/06	
Drawn by / Dessiné par APL	Date 2016/10/06	
Checked by / Vérifié par NDL	Date 2016/10/06	
Approved by / Approuvé par	Date	
Project No. / No. du projet R45369810	Scale / Échelle 1:100	Sheet No. / Node la feuille C01
Drawing Set No. / No. de série du dessin		

REFER TO DRAWING C01 FOR LOCATION OF "NO-GO" ZONES.



EXISTING/DEMOLITION PLAN - SITE & BASEMENT

SCALE : 1:100

DEMOLITION LEGEND — #

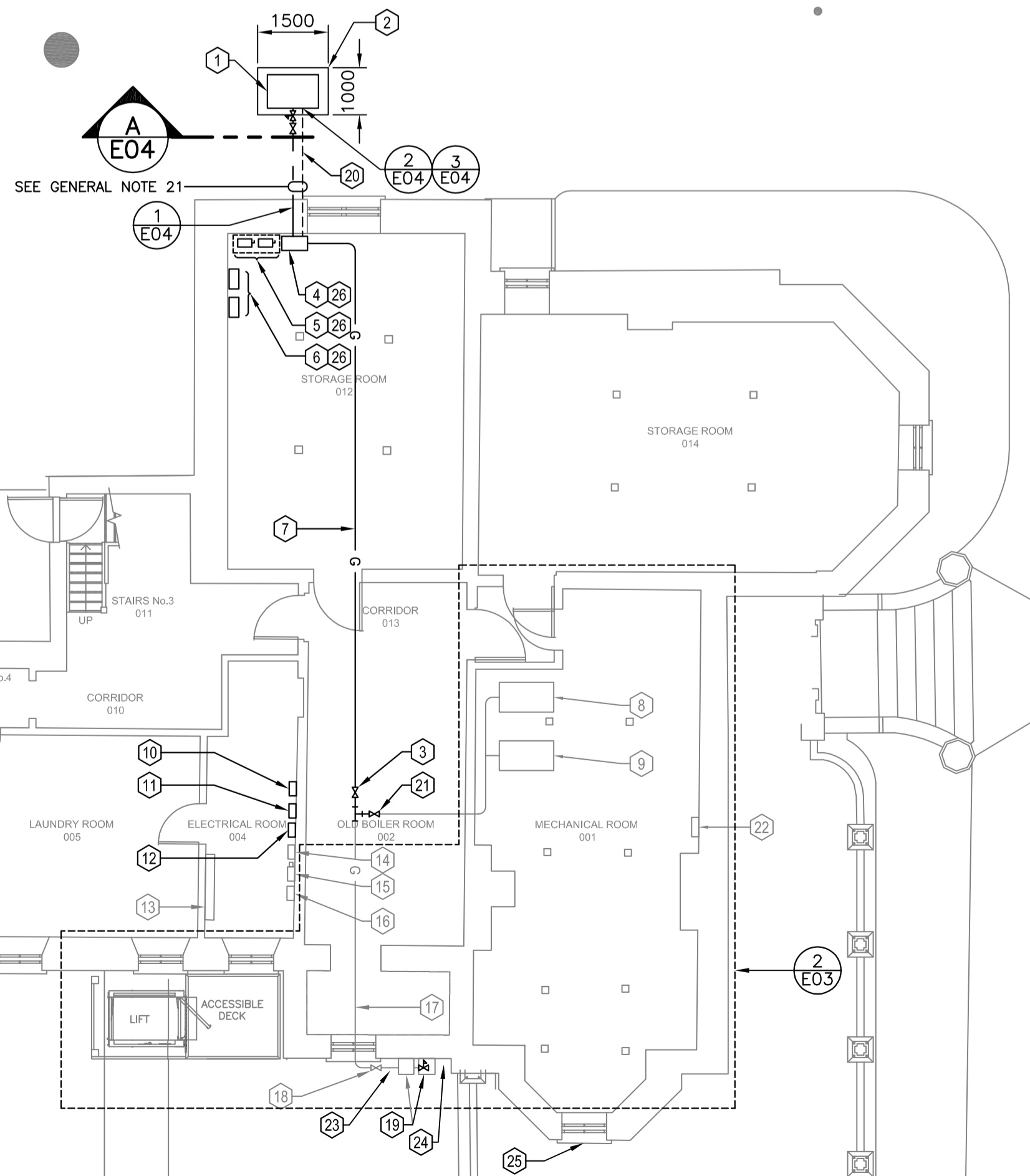
1. DISCONNECT AND REMOVE ENCLOSED DIESEL GENERATOR WITH FUEL TANK. SEE GENERAL NOTE 14.
2. GENERATOR CONCRETE PAD SHALL BE REMOVED BY DIVISION 3.
3. DISCONNECT AND REMOVE EXISTING AUTOMATIC TRANSFER SWITCH, SPLITTER, BREAKER, AND BATTERY CHARGER.
4. DISCONNECT AND REMOVE HEATING CABLE PANEL.
5. DISCONNECT AND REMOVE SNOW MELTING SYSTEM ENCLOSED CONTACTOR (INSTALLED BELOW PANEL 'EA').
6. DISCONNECT AND REMOVE PANEL 'EA'.
7. 600V 3-PHASE POWER DISTRIBUTION EQUIPMENT.
8. PANEL 'A'.
9. METERING CABINET.
10. 120/240V POWER SYSTEM MAIN DISCONNECT SWITCH.
11. DISCONNECT AND REMOVE 600V DISCONNECT SWITCH FOR LIFT HYDRAULIC POWER UNIT.
12. DISCONNECT AND REMOVE CONTROL CABINET FOR LIFT HYDRAULIC POWER UNIT.
13. BARRIER FREE LIFT HAS BEEN REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED DEVICES, CONDUITS, AND WIRING. SEE GENERAL NOTE 16.
14. REMOVE LIFT HYDRAULIC POWER UNIT. DISCONNECT AND REMOVE ALL ASSOCIATED CONDUITS AND WIRING. SEE GENERAL NOTE 21.
15. REMOVE EXISTING UNDERGROUND CONDUITS AND WIRING TO GENERATOR. SEE GENERAL NOTE 21.
16. PANEL 'C'.

GENERAL NOTES

1. NOT ALL SERVICES AND EQUIPMENT ARE SHOWN. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DISRUPTION OR DAMAGE OF EXISTING SERVICES TO REMAIN.
2. COORDINATE NEW ELECTRICAL POWER SERVICE AND REMOVAL OF EXISTING SERVICES WITH DEPARTMENTAL REPRESENTATIVE.
3. ALL EXISTING ELECTRICAL SERVICES TO REMAIN UNLESS NOTED OTHERWISE.
4. NUMBER OF CONDUIT BENDS IN A RUN SHALL NOT EXCEED THE EQUIVALENT OF FOUR 90° BENDS INCLUDING THE BENDS LOCATED AT AN OUTLET OR FITTING.
5. SCHEDULE WORK TO MINIMIZE DISRUPTION TO SITE OPERATION. COORDINATE ANY POWER OUTAGE WITH DEPARTMENTAL REPRESENTATIVE.
6. THE CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY INSPECT THE EXISTING CONDITIONS AND PROVIDE INSTALLATION OF COMPLETE AND FULLY FUNCTIONAL SYSTEMS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
7. VERIFY LOCATION OF EXISTING UNDERGROUND SERVICES PRIOR TO EXCAVATION. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGING OR DISRUPTING EXISTING SERVICES.
8. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
9. MAKE GOOD ALL EXISTING AND NEWLY EXPOSED HOLES AND IRREGULARITIES FROM THE REMOVAL OF ELECTRICAL SYSTEMS. REINSTATE AREAS AFFECTED BY SITE WORK TO MATCH EXISTING GRADES AND CONDITIONS.
10. ALL UNDERGROUND WORKS SHALL BE TOPSOILED AND HYDRAULIC SEED PLACED.
11. UTILIZE LONG SWEEP UTILITY ELBOWS (MIN. 900 mm) FOR ALL UNDERGROUND BENDS.
12. SEAL THE ENDS OF CONDUITS WITH SUITABLE COMPOUND TO PREVENT THE ENTRANCE OF MOISTURE AND GASES, WHERE A CONDUIT ENTERS BUILDING FROM AN UNDERGROUND DISTRIBUTION SYSTEM.
13. GAS LINE ROUTING SHALL BE VERIFIED ON SITE AND ADJUSTED TO SUIT SITE CONDITIONS.
14. CONTRACTOR SHALL REMOVE AND DISPOSE OF FUEL IN EXISTING DIESEL GENERATOR.
15. REMOVE ALL ASSOCIATED CONDUITS AND WIRING BACK TO SOURCE FOR ALL EQUIPMENT AND DEVICES DESIGNATED FOR REMOVAL.
16. COORDINATE REMOVAL OF CONDUITS ROUTED THROUGH EXTERNAL WALLS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
17. TRACE, DISCONNECT AND REMOVE THE EXISTING DE-ICING SYSTEM SENSOR AND CONTROLLER.
18. CONDUITS ROUTING INSIDE THE BUILDING IS NOT INDICATED. ROUTE CONDUITS IN ACCORDANCE WITH SPECIFICATION AND TO SUIT EXISTING CONDITIONS.
19. INSTALL DE-ICING SENSOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. CONNECT TO CONTROLLER 'HC1'.
20. ALL REMOVED EQUIPMENT, DEVICES, CONDUITS AND WIRING SHALL BE DISPOSED BY CONTRACTOR; PAY ALL ASSOCIATED COST.
21. TRACE EXISTING UNDERGROUND SERVICES TO GENERATOR AND ROUTE NEW TRENCH IN THE SAME LOCATION.



REFER TO DRAWING C01 FOR LOCATION OF "NO-GO" ZONES.



NEW CONDITIONS PLAN - SITE & BASEMENT

SCALE : 1:100

PLAN LEGEND — #

1. 16kW, 120/240V, 1φ, 3W ENCLOSED STANDBY GAS GENERATOR 'G1'.
2. 1500 x 1000 mm CONCRETE PAD BY DIVISION 3.
3. ISOLATION VALVE (TYPICAL).
4. AUTOMATIC TRANSFER SWITCH 'ATS1'.
5. DISCONNECT SWITCHES 'DS1' & 'DS2' AND SPLITTER 'SP1' MOUNTED ABOVE THE PANEL.
6. GENERATOR BATTERY CHARGER AND PANEL 'GH1'.
7. NEW 32φ GAS LINE. SEE GENERAL NOTE 13. BOND IN ACCORDANCE WITH CSA B149.1-15.
8. BOILER 'B2'.
9. BOILER 'B1'.
10. HEAT TRACING CONTROLLER 'HC1'.
11. HEAT TRACING PANEL 'HP1' & CONTACTOR 'C1'.
12. PANEL 'EA'.
13. 600V 3-PHASE POWER DISTRIBUTION EQUIPMENT.
14. PANEL 'A'.
15. METERING CABINET.
16. 120/240V POWER SYSTEM MAIN DISCONNECT SWITCH.
17. APPROXIMATE LOCATION OF EXISTING 50φ GAS LINE.
18. EXISTING BUILDING MAIN SHUT-OFF VALVE.
19. EXISTING BUILDING GAS METER & PRESSURE REGULATING VALVE (PRV). REPLACE EXISTING 50φ PRV WITH NEW 50φ PRV.
20. POWER AND CONTROL WIRING TO GENERATOR IN UNDERGROUND CONDUIT. UTILIZE EXISTING WALL PENETRATION AND SEAL WATERTIGHT PENETRATION AFTER CONDUITS INSTALLATION.
21. NEW 50φ SHUT OFF VALVE ON EXISTING LINE.
22. PANEL 'C'.
23. REINSTATE EXISTING SNOW MELTING HEATING CABLES. LAYOUT CABLE IN ACCORDANCE WITH MANUFACTURER'S (RAYCHEM) RECOMMENDATIONS AND ATTACH TO ROOF UTILIZING ADHESIVE CLIPS SUITABLE FOR APPLICATION (ROOF PENETRATION IS NOT ALLOWED).
24. INSTALL DE-ICING SENSOR IN GUTTER IN THIS LOCATION. ATTACHED SENSOR TO GUTTER IN ACCORDANCE WITH SENSOR SUPPLIER'S RECOMMENDATIONS. ROUTE LEAD CABLE BEHIND DOWNSPOUT AND FASTEN TO DOWNSPOUT MOUNTING BRACKETS. SEE GENERAL NOTE 19.
25. PENETRATE WALL FOR DE-ICING SENSOR LEAD CABLE UNDER VERANDA; SEAL WATERTIGHT.
26. PROVIDE 19mm (3/4") PLYWOOD PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT. FASTEN PLYWOOD SECURELY TO WALL.

LEGEND

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- NEW
- FIELD WIRING
- G — NATURAL GAS LINE
- SHUT OFF VALVE
- UNION
- FLEXIBLE CONNECTOR
- WP — PRESSURE REGULATING VALVE (PRV)
- BREAKER
- AUTOMATIC TRANSFER SWITCH
- GENERATOR
- POWER METER
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- TS — THERMAL (SNOW AND ICE MELTING) SENSOR
- CONTACTOR/RELAY COIL
- CONTACT, NORMALLY OPEN
- SELECTOR SWITCH, NORMAL OPERATION POSITION
- R — PUSH-TO-TEST INDICATING LIGHT
- GFCI — INDICATES GROUND FAULT CIRCUIT INTERRUPTER
- DISCONNECT SWITCH
- MANUAL MOTOR STARTER
- SINGLE PHASE MOTOR

D01	17/03/31	ISSUED FOR CONSTRUCTION	SR	
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

A	Detail number	A Numéro de détail
B	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil: **SNC-LAVALIN**

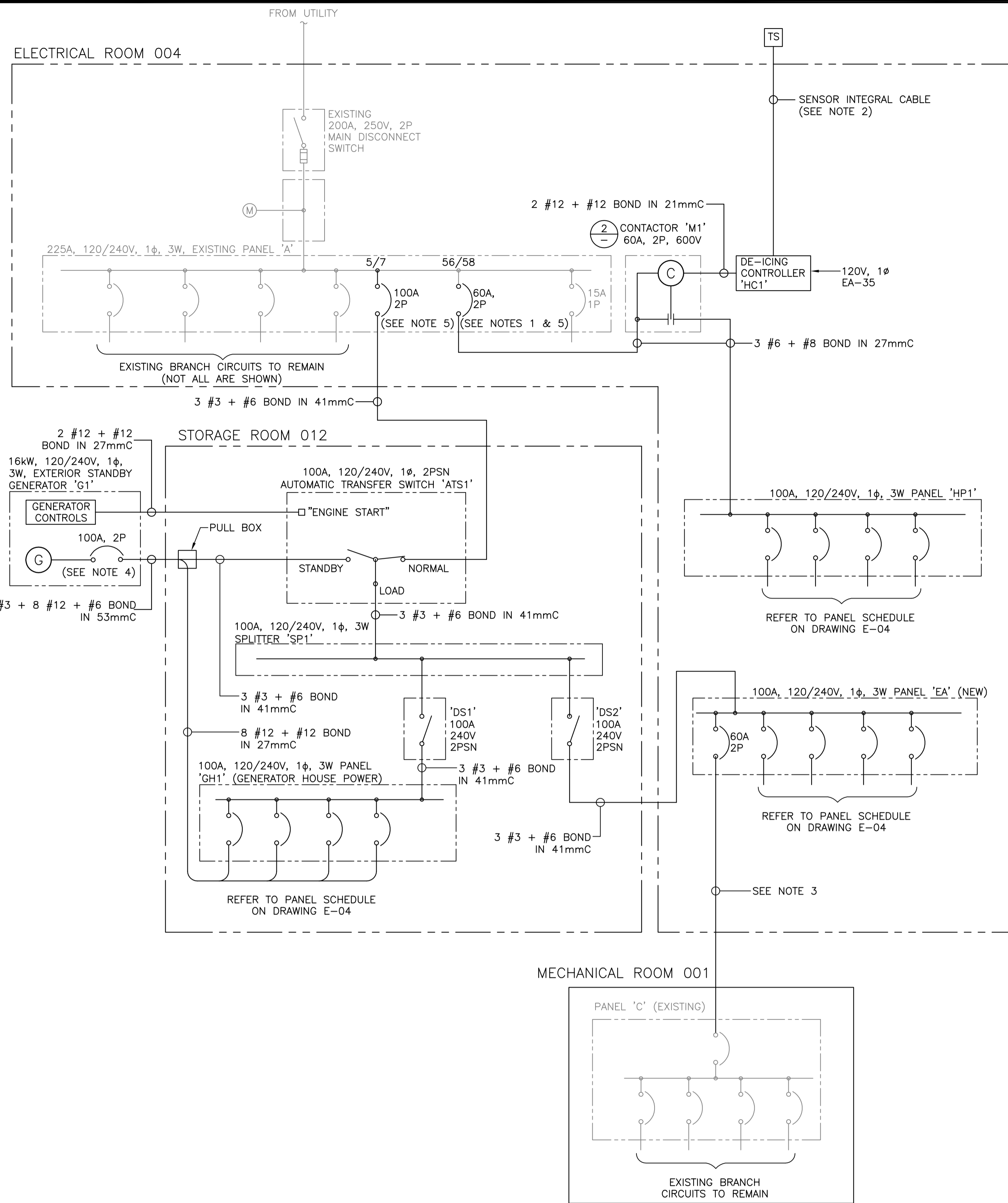
Eng. Stamp / Scieu de l'ingénieur: **SNC-LAVALIN Inc.**, Halifax, Nova Scotia, Canada. Member of the SNC-LAVALIN Group.

Project title/Titre du projet: **LAURIER HOUSE N.H.S.C. GENERATOR PURCHASE, INSTALLATION AND EXISTING CONCRETE PAD REMOVAL AND REPLACEMENT**

Drawing title/Titre du dessin: **ELECTRICAL PLANS, LEGEND AND GENERAL NOTES**

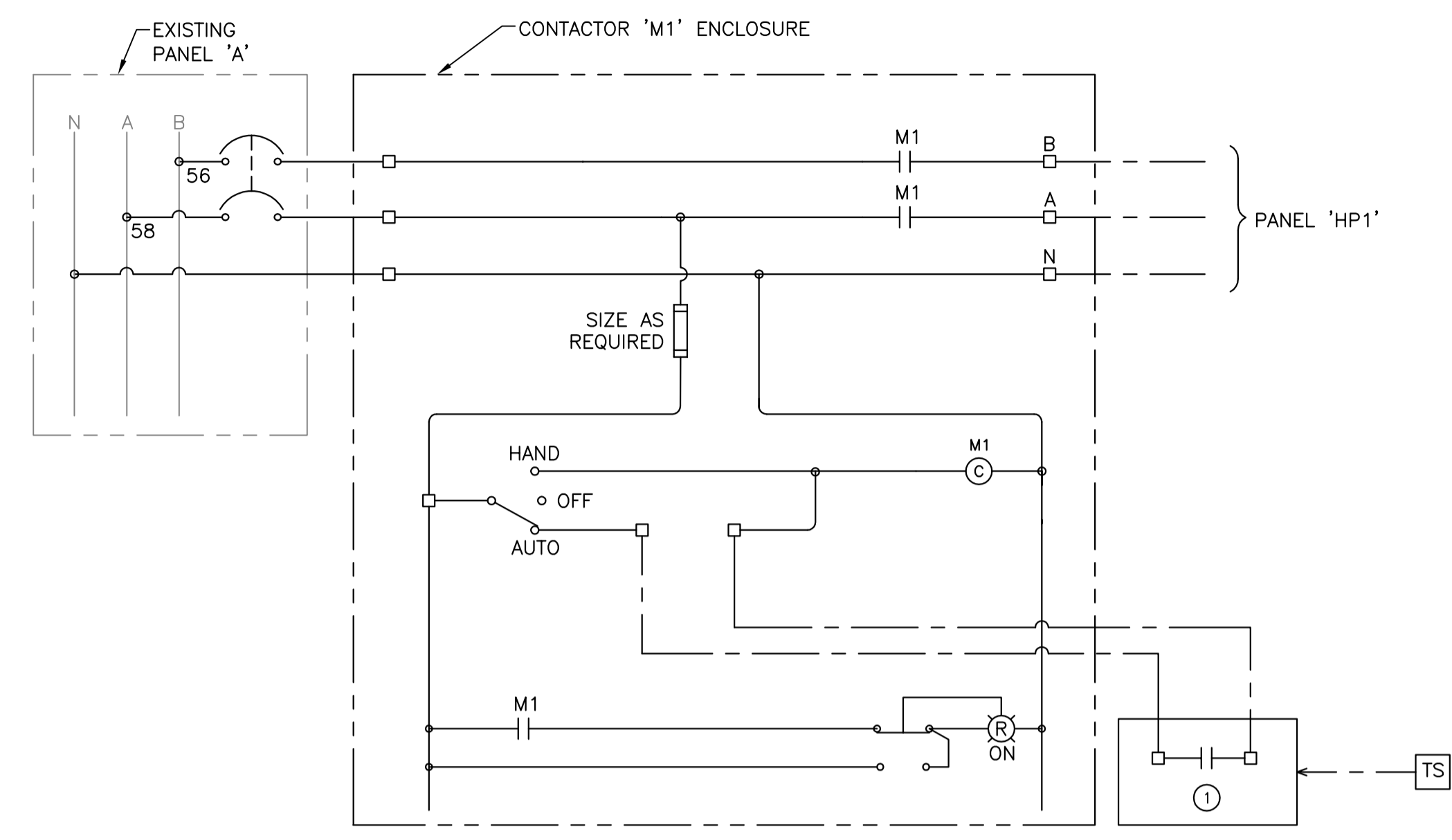
Designed by/Concept par: ZG	Date: 2016/06/06
Drawn by/Drawné par: STAFF	Date: 2016/06/06
Checked by/Vérifié par: DC	Date: 2016-06-06
Approved by/Approuvé par:	Date:

Project No./No. du projet: R45366267/R45369810	Scale/Echelle: AS SHOWN	Sheet No./No. de la feuille: E01
Drawing Set No./No. de série du dessin:		



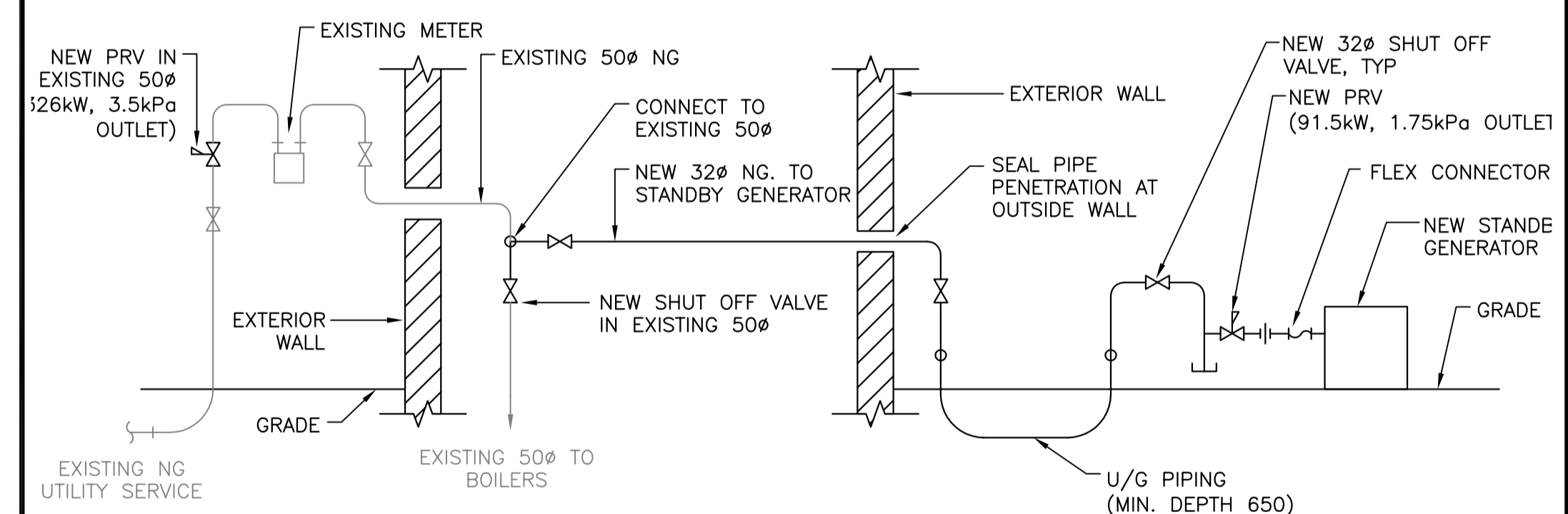
- NOTES: ①
- REMOVE EXISTING 30A, 2P CIRCUIT BREAKER AND TURN OVER TO PARKS CANADA REPRESENTATIVE.
  - LEAD WIRE GAUGE AS RECOMMENDED BY THE DE-ICING SYSTEM MANUFACTURER.
  - RE-ROUTE EXISTING FEEDER TO NEW PANEL 'EA'. ADJUST CONDUIT AND WIRING, AND PROVIDE JUNCTION/PULL BOXES AS REQUIRED.
  - CONFIRM CIRCUIT BREAKER SIZE WITH GENERATOR SUPPLIER AND ADJUST SIZE AS REQUIRED.
  - CIRCUIT BREAKER TYPE TO MATCH EXISTING.
  - ONLY PART OF 120/240V, 1Ø DISTRIBUTION SYSTEM IS SHOWN.

**1** PARTIAL POWER DISTRIBUTION SINGLE LINE DIAGRAM  
 SCALE : N.T.S.



- NOTES: ①
- TEMPERATURE SENSOR CONTACT FROM THE DE-ICING CONTROLLER ENERGIZES CONTACTOR 'M1' WHEN THE SENSOR DETECTS SET TEMPERATURE.

**2** SCHEMATIC - CONTACTOR 'M1'  
 SCALE : N.T.S.



- NOTES: ①
- ALL WORK TO CONFORM TO CSA B149.1-15 - NATURAL GAS AND PROPANE INSTALLATION CODE.
  - UNDERGROUND PIPING SHALL BE TYPE "L" COPPER EXTERNALLY COATED WITH EXTRUDED POLYETHYLENE OR POLYETHYLENE GAS TUBING.
  - PROVIDE FLEX CONNECTION AT EQUIPMENT.
  - DRIP LEGS SHALL BE 150mm DEEP MINIMUM AND LINE SIZE.
  - ALL WORK TO BE PERFORMED BY LICENSED GAS TECHNICIAN IN THE PROVINCE OF ONTARIO.
  - CO-ORDINATE PIPE ROUTING WITH EXISTING INSTALLATIONS AND OTHER TRADES.
  - PROVIDE GUARDS ON OUTDOOR PIPING TO PROTECT FROM DAMAGE.

**3** SCHEMATIC - NATURAL GAS LINE PIPE  
 SCALE : N.T.S.

D01	17/03/31	ISSUED FOR CONSTRUCTION	SR	<i>Handwritten initials</i>
No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé

**A B** Detail number / A Numéro de détail  
 Sheet number / B Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil: **SNC-LAVALIN**  
 SNC-LAVALIN Inc. Halifax, Nova Scotia, Canada  
 Member of the SNC-LAVALIN Group

Eng. Stamp / Sceau de l'ingénieur: **P. GODON**  
 100110224  
 7 April 2017  
 PROVINCE OF ONTARIO

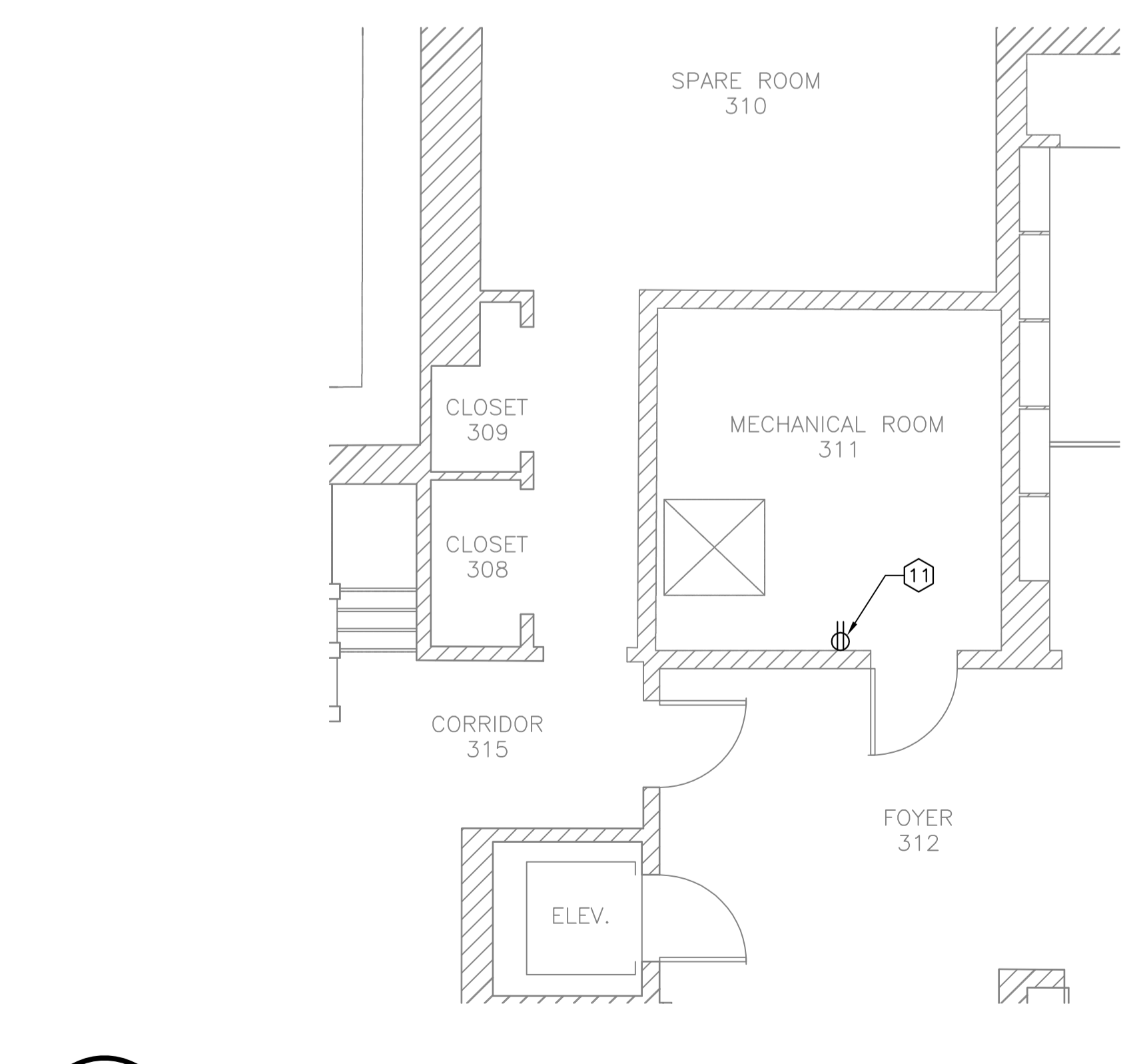
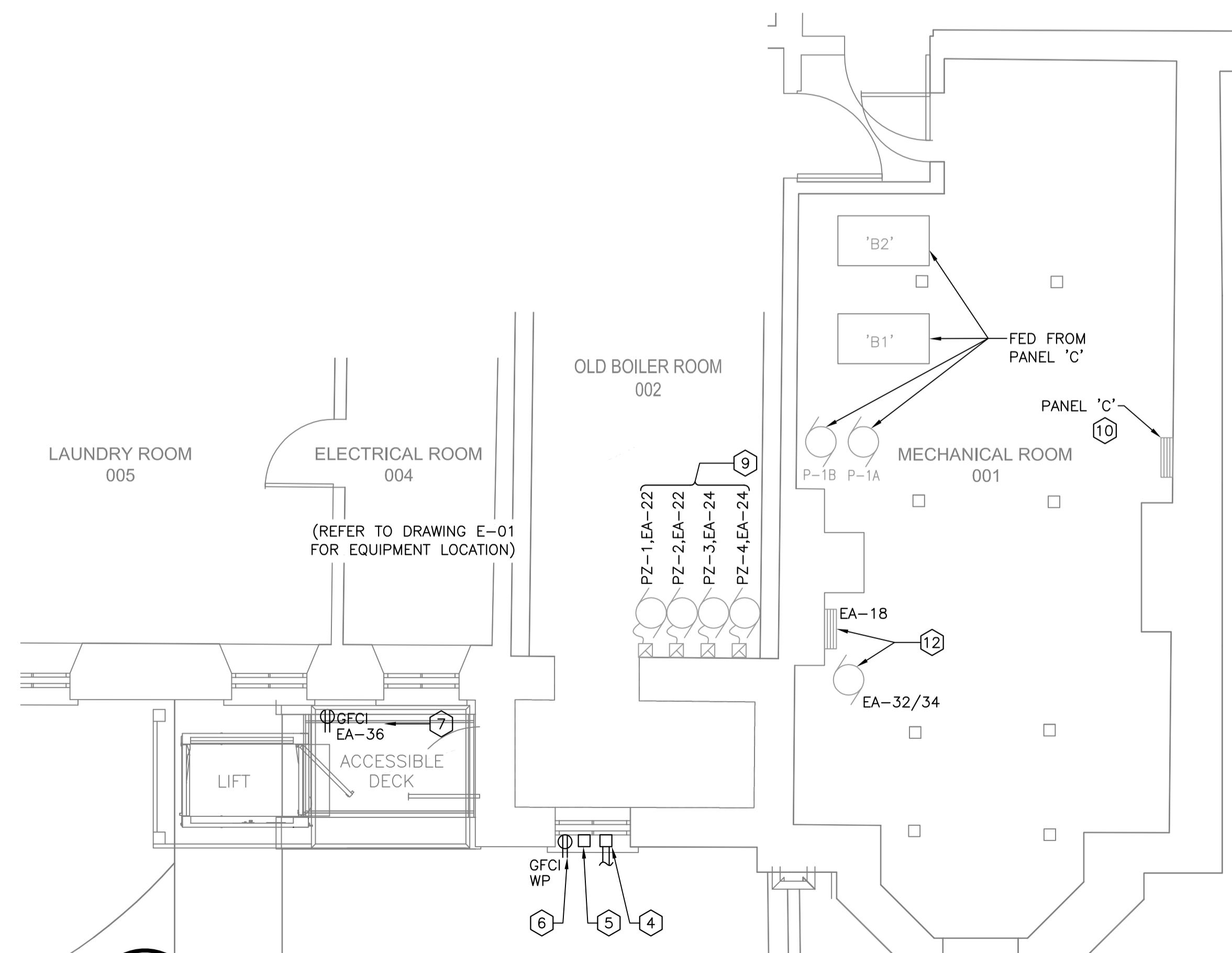
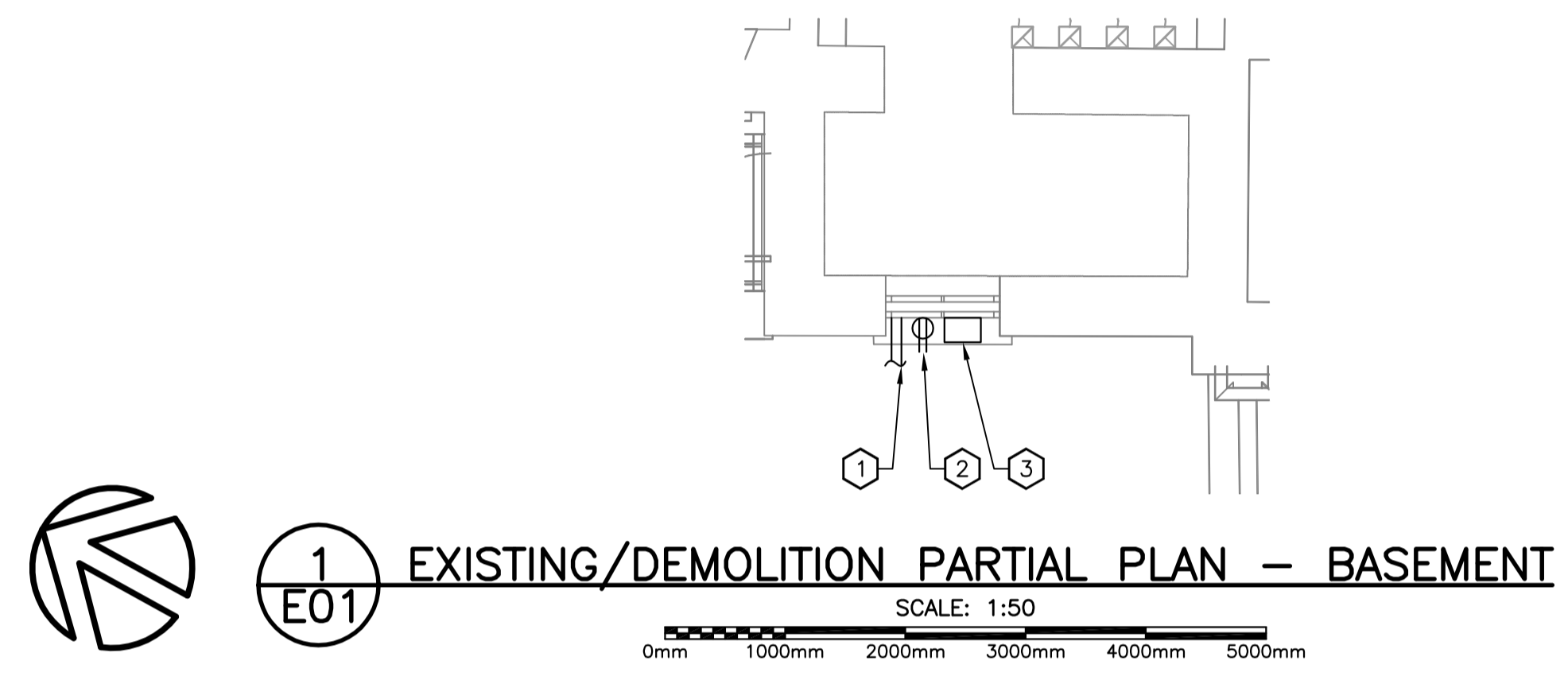
Project title/Titre du projet: **LAURIER HOUSE N.H.S.C. GENERATOR PURCHASE, INSTALLATION AND EXISTING CONCRETE PAD REMOVAL AND REPLACEMENT**

Drawing title/Titre du dessin: **POWER DISTRIBUTION SINGLE LINE DIAGRAM & SCHEMATICS**

Designed by/Concept par: ZG	Date: 2016-06-06
Drawn by/Dessiné par: STAFF	Date: 2016/06/06
Checked by/Vérifié par: DC	Date: 2016-06-06
Approved by/Approuvé par:	Date:
Project No./No. du projet: R45366267/R45369810	Scale/Echelle: AS SHOWN
Drawing Set No./No. de série du dessin:	Sheet No./N° de la feuille: E02

NOTES: — #

1. SPRINKLER SYSTEM PVC CONDULET AT THE ENTRY TO BUILDING SHALL BE TEMPORARILY REMOVED TO ALLOW FOR WINDOW COVER REPLACEMENT. DISCONNECT OR CUT, IF NECESSARY, WIRING INSIDE THE BUILDING AND PULL BACK WIRING AT THE CONDULET. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGING WIRING. COORDINATE WITH FIRE ALARM SYSTEM MONITORING AGENCY.
2. REMOVE RECEPTACLE C/W OUTLET BOX TO ALLOW FOR WINDOW COVER REPLACEMENT. WIRING SHALL REMAIN. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGING WIRING.
3. 'Itr6n' WATER CONTROLLER SHALL BE TEMPORARILY REMOVED TO ALLOW FOR WINDOW COVER REPLACEMENT. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGING WIRING AND THE CONTROLLER. COORDINATE WITH OTTAWA WATER COMMISSION.
4. REINSTATE CONDUIT AND WIRING ENTRY INTO THE BUILDING. ADJUST CONDUIT TO SUIT NEW INSTALLATION; PROVIDE NEW CONDULET AND/OR JUNCTION/PULL BOXES AS REQUIRED. ANY BOX/FITTINGS INSTALLED OUTDOOR SHALL BE CSA TYPE 4X. SPLICE WIRING IN THE JUNCTION BOXES AS REQUIRED.
5. INSTALL CONTROLLER AND REINSTATE ALL ASSOCIATED WIRING.
6. CONNECT RECEPTACLE TO THE EXISTING BRANCH CIRCUIT.
7. MOUNT RECEPTACLE UNDER THE DECK ON THE POST (SOUTH FACE) AT 1.0 METER ABOVE FINISHED GRADE. UTILIZE EXISTING WALL PENETRATION FOR LIFT AND SEAL WATERTIGHT PENETRATION AFTER CONDUIT INSTALLATION.
8. LOCATION OF EXISTING EQUIPMENT AND DEVICES IS APPROXIMATE; VERIFY ON SITE EXACT LOCATION.
9. TRACE SOURCE PANEL AND DISCONNECT MOTOR BRANCH CIRCUITS; THESE CIRCUITS SHALL BE FED FROM NEW PANEL 'EA'. ADJUST ASSOCIATED CONDUITS AND WIRING, AND PROVIDE JUNCTION/PULL BOXES AS REQUIRED.
10. EXISTING PANEL 'C' IS PRESENTLY FED FROM PANEL 'A'. DISCONNECT ITS FEEDER AND CONNECT TO NEW PANEL 'EA'. ADJUST ASSOCIATED CONDUITS AND WIRING, AND PROVIDE JUNCTION/PULL BOXES AS REQUIRED.
11. FEED NEW RECEPTACLE FROM THE EXISTING LIGHTING BRANCH CIRCUIT IN THIS ROOM (LIGHTING IS FED FROM PANEL 'EA'). MAKE CONNECTION UPSTREAM FROM THE EXISTING LIGHT SWITCH SO RECEPTACLE WILL REMAIN ENERGIZED WHEN SWITCH IS IN "OFF" POSITION. ALL REQUIRED ROUGH-INS SHALL BE WITHIN THIS ROOM; NO WORK IS ALLOWED IN THE ADJACENT ROOMS. PROVIDE RED NAMEPLATE ABOVE RECEPTACLE INDICATING CIRCUIT NUMBER ("EA-X").
12. EXISTING SPRINKLER SYSTEM CONTROL PANEL AND COMPRESSOR IS PRESENTLY FED FROM PANEL 'A'. DISCONNECT THEIR BRANCH CIRCUITS AND CONNECT TO NEW PANEL 'EA'. ADJUST ASSOCIATED CONDUITS AND WIRING, AND PROVIDE JUNCTION/PULL BOXES AS REQUIRED.
13. WORK ASSOCIATED WITH ITEMS 1 TO 7 SHALL BE COORDINATED WITH CONTRACTOR OF "EXTERIOR REPAIRS AND ACCESSIBILITY LIFT INSTALLATION" PACKAGE.



D01	17/03/31	ISSUED FOR CONSTRUCTION	SR	
No.	Date	Description	Drawn by / Dessiné par	Approved / Approuvé

<b>A</b>	Detail number	A Numéro de détail
<b>B</b>	Sheet number	B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres
Consultant's Name / Nom de l'expert-conseil		Eng. Stamp / Scellé de l'ingénieur
SNC-LAVALIN Inc. Halifax, Nova Scotia, Canada Member of the SNC-LAVALIN Group		

Project title/Titre du projet  
**LAURIER HOUSE N.H.S.C. GENERATOR PURCHASE, INSTALLATION AND EXISTING CONCRETE PAD REMOVAL AND REPLACEMENT**

Drawing title/Titre du dessin  
**ELECTRICAL PARTIAL PLANS**

Designed by/Concept par ZG	Date 2016-06-06
Drawn by/Dessiné par STAFF	Date 2016/06/06
Checked by/Vérifié par DC	Date 2016-06-06
Approved by/Approuvé par	Date

Project No./No. du projet R45366267/R45369810	Scale/Echelle AS SHOWN	Sheet No./N° de la feuille E03
Drawing Set No./No. de série du dessin		

### PANEL 'EA' SCHEDULE

VOLTS: 120/240 PHASE: 1 AMPS: 100A I.C.: 10kA LOCATION: ELECTRICAL 004  
 MAINS: LUGS BUS: COPPER ENCL TYPE: CSA 1 MOUNTING: SURFACE

WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER		DESCRIPTION	LOAD (WATTS)	WIRE SIZE
			AMPS	POLES			
-	-	FAN SHUTDOWN	15	1	1	-	-
-	-	KITCHEN LIGHTS	15	1	3	-	-
-	-	ELECT. RM. LIGHT	15	1	5	-	-
-	-	MAIN HALL LIGHTS	15	1	7	-	-
-	-	STAIR LIGHTS	15	1	9	-	-
-	-	STOR. & DINING PLUG	15	1	11	-	-
-	-	EXISTING	15	1	13	-	-
-	-	EXISTING	15	1	15	-	-
-	-	EXISTING	15	1	17	-	-
-	-	SPLIT NEAR FIRE ALARM	15	1	19	-	-
-	-	SPLIT NEAR FIRE ALARM	15	1	21	-	-
-	-	EXISTING	15	1	23	-	-
-	-	ELEVATOR LIGHTS	15	1	25	-	-
-	-	EXISTING	15	1	27	-	-
-	-	SPARE	15	1	29	-	-
-	-	PANEL 'C' (EXISTING)	60	2	31	-	-
-	-	CONTROLLER 'HC1'	15	1	35	-	-
-	-	SPARE	15	1	37	-	-
-	-	SPARE	15	1	39	-	-
-	-	SPARE	15	1	41	-	-

### PANEL 'HP1' SCHEDULE

VOLTS: 120/240 PHASE: 1 AMPS: 100A I.C.: 10kA LOCATION: ELECTRICAL 004  
 MAINS: LUGS BUS: COPPER ENCL TYPE: CSA 1 MOUNTING: SURFACE

WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER		DESCRIPTION	LOAD (WATTS)	WIRE SIZE
			AMPS	POLES			
-	-	H. CABLE #4 FRONT	15	1	1	-	-
-	-	H. CABLE #5 BACK	15	1	3	-	-
-	-	H. CABLE #6 BACK	15	1	5	-	-
-	-	H. CABLE #7 BACK	15	1	7	-	-
-	-	SPARE	15	1	9	-	-
-	-	SPARE	15	1	11	-	-
-	-	SPARE	15	1	13	-	-
-	-	SPARE	15	1	15	-	-
-	-	SPARE	15	1	17	-	-

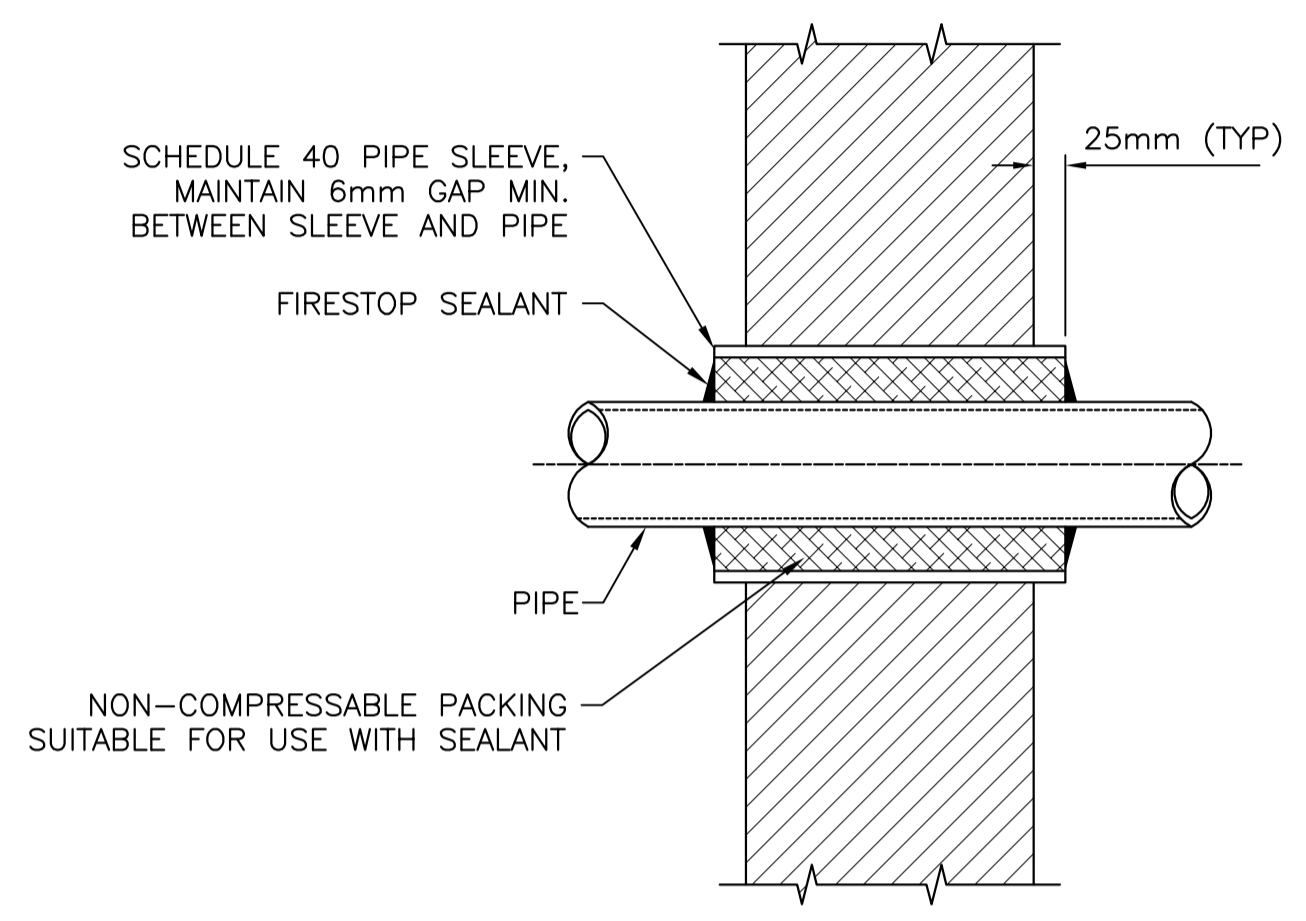
\* GROUND FAULT INTERRUPTER CIRCUIT BREAKER

- NOTES:
- FADED LINE INDICATES EXISTING BRANCH CIRCUITS TO BE CONNECTED TO THE NEW PANEL. ADJUST WIRING AND PROVIDE JUNCTION BOXES AS REQUIRED.
  - TRACE ALL EXISTING BRANCH CIRCUITS DESIGNATED FOR RELOCATION TO NEW PANELS TO ESTABLISH THEIR SOURCE AND RE-ROUTE TO SUIT NEW DESTINATION. REVISE PANEL SCHEDULES TO REFLECT THIS AND PROVIDE UPDATED PANEL DIRECTORIES.
  - POWER SUPPLY TO FIRE ALARM SYSTEM; PROVIDE THE FOLLOWING:
    - LOCK-ON DEVICE ON THE CIRCUIT BREAKER,
    - RED FACE LAMICOID NAMEPLATE WITH WORDING "FIRE ALARM" AND INSTALLED ADJACENT TO CIRCUIT BREAKER ON THE PANEL FACEPLATE AND INSIDE THE PANEL TAB.

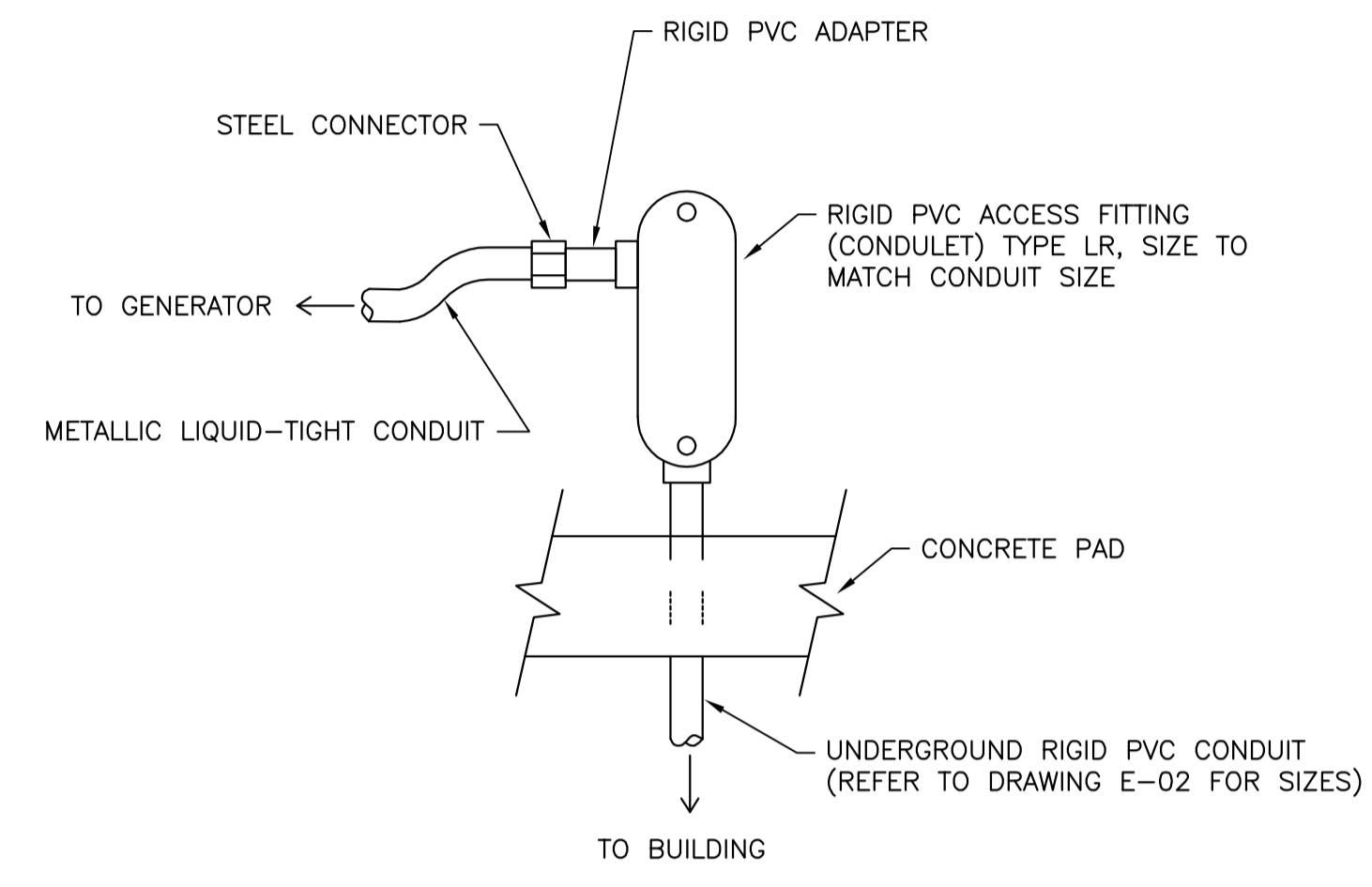
### PANEL 'GH1' SCHEDULE

VOLTS: 120/240 PHASE: 1 AMPS: 100A I.C.: 10kA LOCATION: STORAGE 012  
 MAINS: LUGS BUS: COPPER ENCL TYPE: CSA 1 MOUNTING: SURFACE

WIRE SIZE	LOAD (WATTS)	DESCRIPTION	BREAKER		DESCRIPTION	LOAD (WATTS)	WIRE SIZE
			AMPS	POLES			
-	-	BATTERY CHARGER	15	1	1	-	-
-	-	CARBURATOR HEATER	15	1	3	-	-
-	-	SPARE	15	1	5	-	-
-	-	SPARE	15	1	7	-	-



**1**  
E01 PIPING WALL PENETRATION  
SCALE : N.T.S.



- NOTE:
- PROVIDE 16 GAUGE GALVANIZED STEEL PLANT BOLTED TO CONCRETE PAD TO PROTECT CONDUIT AND FUEL LINE FROM MECHANICAL DAMAGE.

**2**  
E01 TYPICAL CONDUIT STUB-UP  
SCALE : N.T.S.



D01	17/03/31	ISSUED FOR CONSTRUCTION	SR	
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

**A** Detail number / **A** Numéro de détail  
**B** Sheet number / **B** Numéro de la feuille

Linear dimensions in millimetres / Dimensions linéaires en millimètres

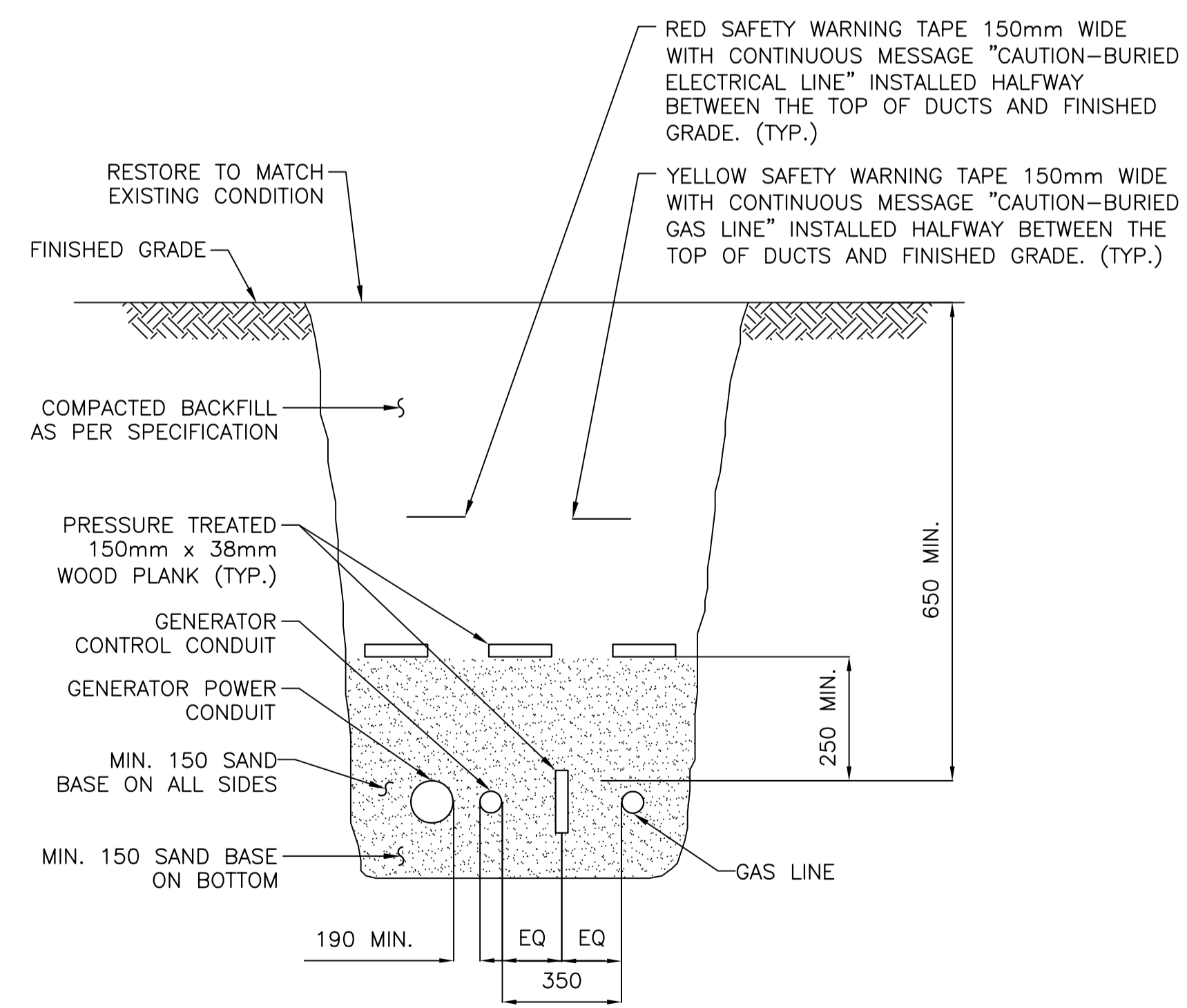
Consultant's Name / Nom de l'expert-conseil: **SNC-LAVALIN**  
 SNC-LAVALIN Inc. Halifax, Nova Scotia, Canada  
 Member of the SNC-LAVALIN Group

Eng. Stamp / Sceau de l'ingénieur

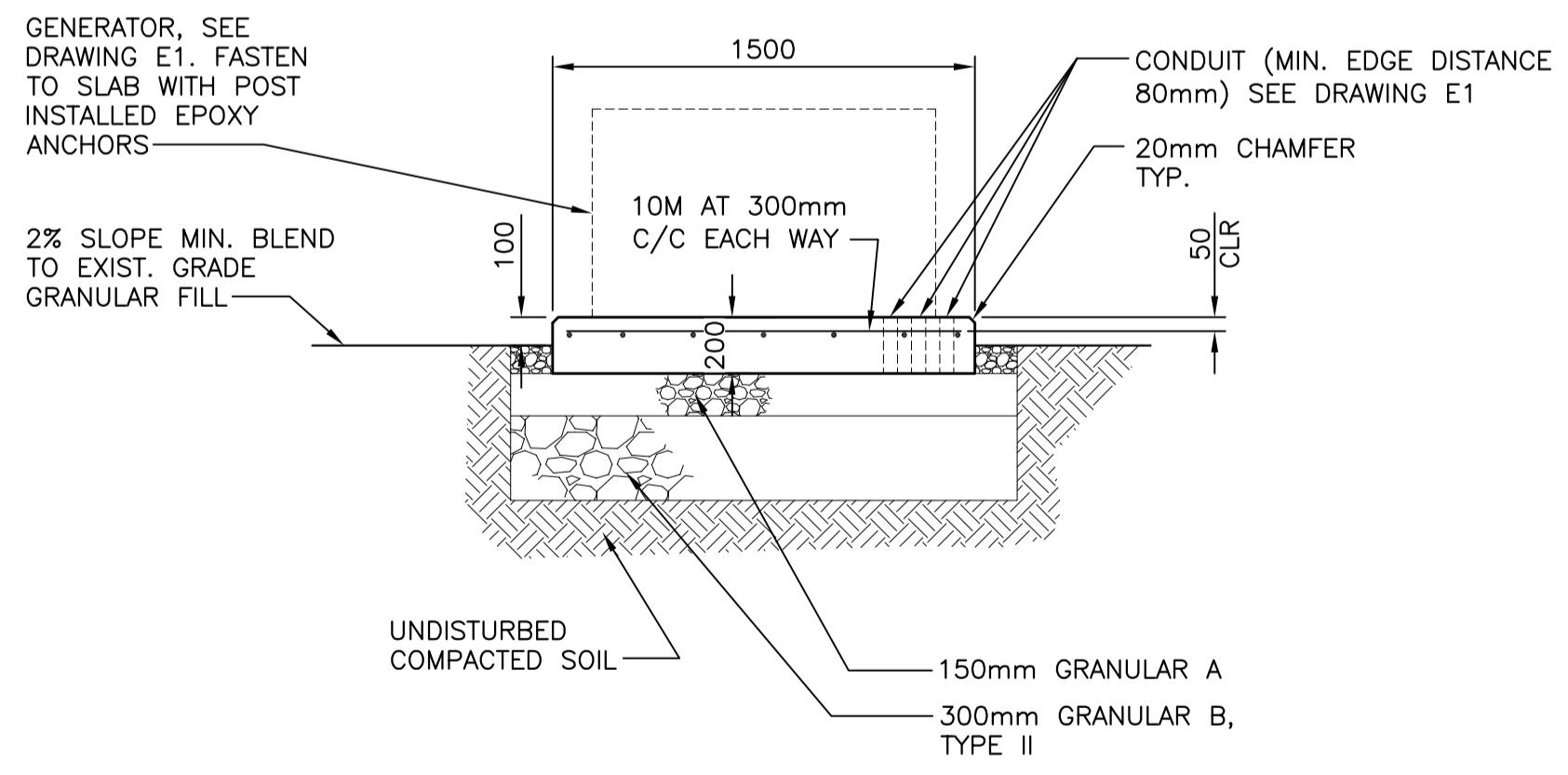
Project title/Titre du projet:  
**LAURIER HOUSE N.H.S.C. GENERATOR PURCHASE, INSTALLATION AND EXISTING CONCRETE PAD REMOVAL AND REPLACEMENT**

Drawing title/Titre du dessin:  
**DETAILS AND ELECTRICAL SCHEDULES**

Designed by/Concept par: ZG	Date: 2016-06-06
Drawn by/Dessiné par: STAFF	Date: 2016/06/06
Checked by/Vérifié par: DC	Date: 2016-06-06
Approved by/Approuvé par:	Date:
Project No./No. du projet: R45366267/R45369810	Scale/Echelle: AS SHOWN
Drawing Set No./No. de série du dessin:	Sheet No./No. de la feuille: E04



**A**  
E01 DIRECT BURIED CONDUITS



**3**  
E01 NEW GENERATOR PAD SECTION  
SCALE: 1:25