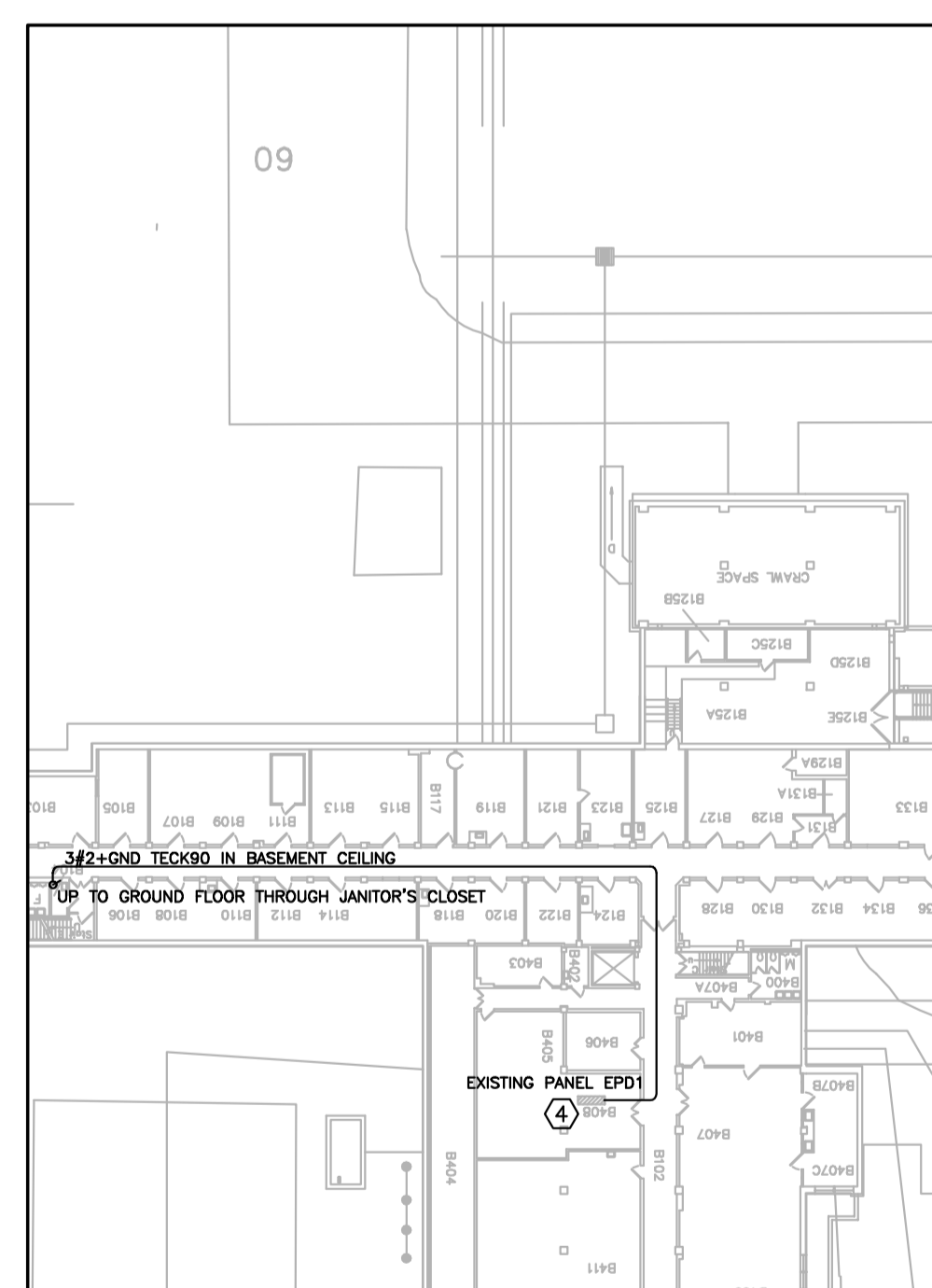


1 PARTIAL SITE PLAN LAYOUT  
 E01 SCALE: 1:300



2 CABLE ROUTE THROUGH M-36 GROUND FLOOR  
 E01 SCALE: 1:300



3 CABLE ROUTE THROUGH M-36 BASEMENT  
 E01 SCALE: 1:300

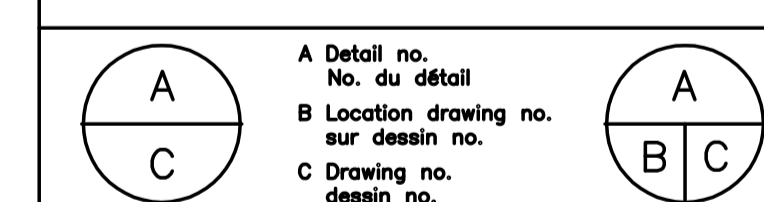
DRAWING NOTES: (X)

- REVISE SETTING OF EXISTING BREAKER IN M-46A AND TO FEED NEW BUILDING M-38.
- PROVIDE NEW 2400-347/600V, 750KVA, DELTA-Y, COPPER WINDING, OUTDOOR WEATHERPROOF & TAMPERPROOF TRANSFORMER AND MOUNT ON EXISTING PAD OUTSIDE OF M-38. MAKE ALL FINAL CONNECTIONS AS SHOWN. TRANSFORMER STANDARD OF ACCEPTANCE: HAMMOND.
- RUN CABLES IN EXISTING DUCTBANK. CONFIRM EXACT LOCATION AND COORDINATE WORK ON SITE.
- PROVIDE NEW 50A BREAKER IN EXISTING EPD1. USE SQUARE D MODEL HJA36050.
- SEAL ALL DUCT ENTRY AND EXIT POINTS AFTER CABLES ARE PULLED.

No.	Date	Revision	By:
0	DEC. 12/17	ISSUED FOR TENDER	DIF

Date Printed: \_\_\_\_\_ Date imprimée: \_\_\_\_\_

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

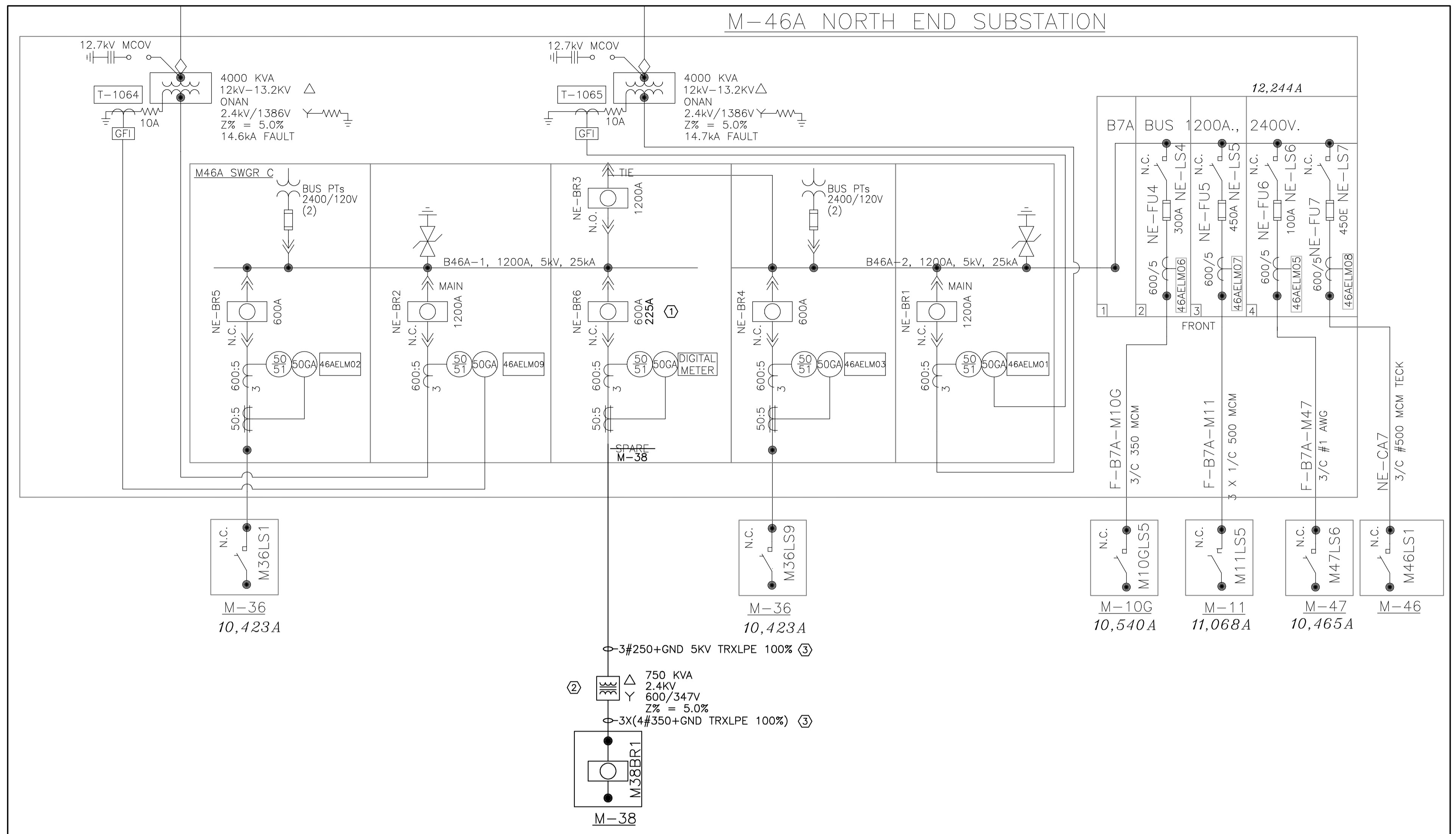


project: **BUILDING M-38**  
**ACOUSTICAL FACILITY**  
**1200 MONTREAL ROAD CAMPUS**  
**OTTAWA, ON**

drawing: **PARTIAL SITE PLAN AND CABLE ROUTE THROUGH M-36**

designed <b>CYC</b>	conçu <b>CYC</b>	date <b>OCT/2017</b>	date
drawn <b>CYC/DIF</b>	dessiné <b>CYC/DIF</b>	scale <b>AS NOTED</b>	échelle
checked <b>KXL/FG</b>	vérifié <b>KXL/FG</b>	sheet <b>1</b>	of/de <b>3</b>
approved <b>BV</b>	approuvé <b>BV</b>	W.O.no. <b>A1-006442-01</b>	D.T.no.

dwg.no. **5310-E01** dessin no.



- DRAWING NOTES:** (X)
- REVISE SETTING OF EXISTING BREAKER IN M-46A TO FEED NEW BUILDING M-38.
  - PROVIDE NEW 2400-347/600V, 750KVA, DELTA-Y, COPPER WINDING, OUTDOOR WEATHERPROOF & TAMPERPROOF TRANSFORMER AND MOUNT ON EXISTING PAD OUTSIDE OF M-38. MAKE ALL FINAL CONNECTIONS AS SHOWN. TRANSFORMER STANDARD OF ACCEPTANCE: HAMMOND.
  - RUN CABLES IN EXISTING DUCTBANK. CONFIRM EXACT LOCATION AND COORDINATE WORK ON SITE.

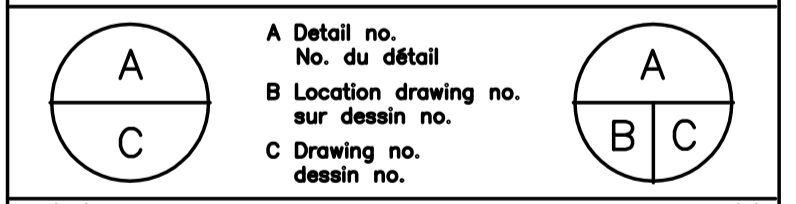


1 PARTIAL SINGLE LINE DIAGRAM  
 SCALE: N.T.S.

No.	Date	Revision	By: Par.
0	DEC. 12/17	ISSUED FOR TENDER	DIF

Date Printed: \_\_\_\_\_ Date imprimée: \_\_\_\_\_

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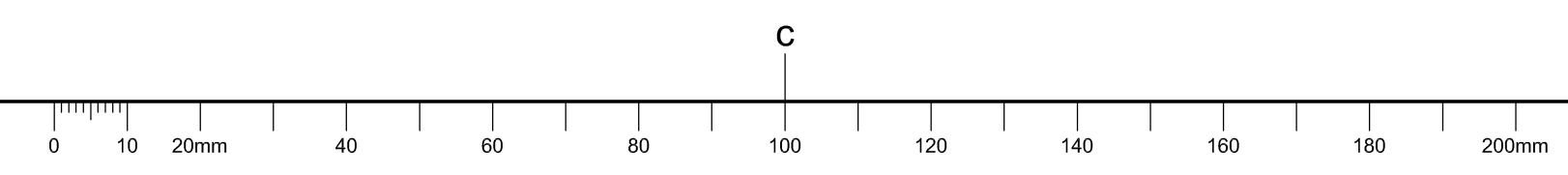
project: **BUILDING M-38 ACOUSTICAL FACILITY**

1200 MONTREAL ROAD CAMPUS OTTAWA, ON

drawing: **M-46A SINGLELINE**

designed	conçu	date	OCT/2017
drawn	dessiné	scale	AS NOTED
checked	vérifié	sheet	2 of/de 3
approved	approuvé	W.O.no.	A1-006442-01
dwg.no.	dessin no.		

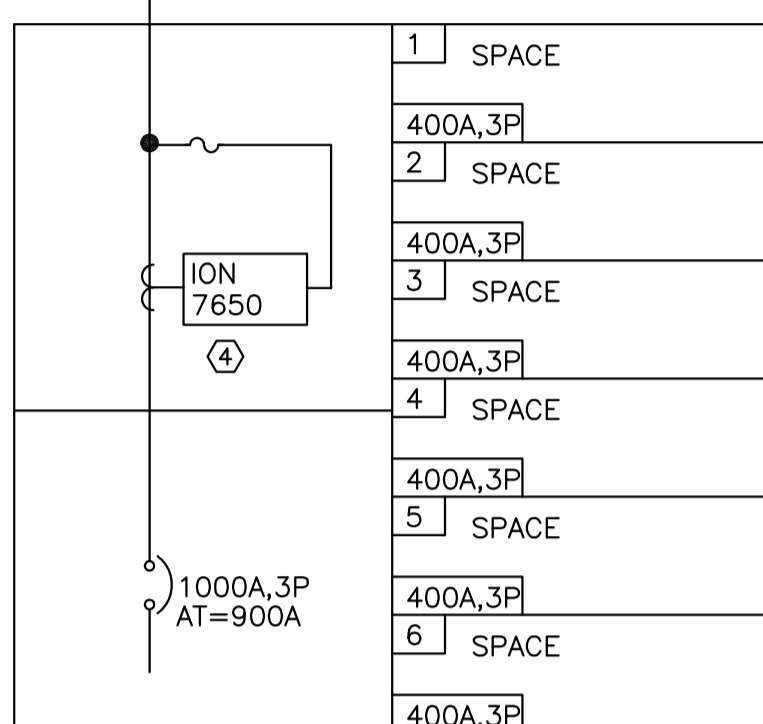
5310-E02



2400V, 225A SERVICE FROM M-46A  
 NORTHERND SUBSTATION EXISTING BREAKER  
 ~500m LONG

3#250+GND 5KV TRXLPE 100%

3X(4#350+GND TRXLPE 100%) IN EXISTING DUCTBANK



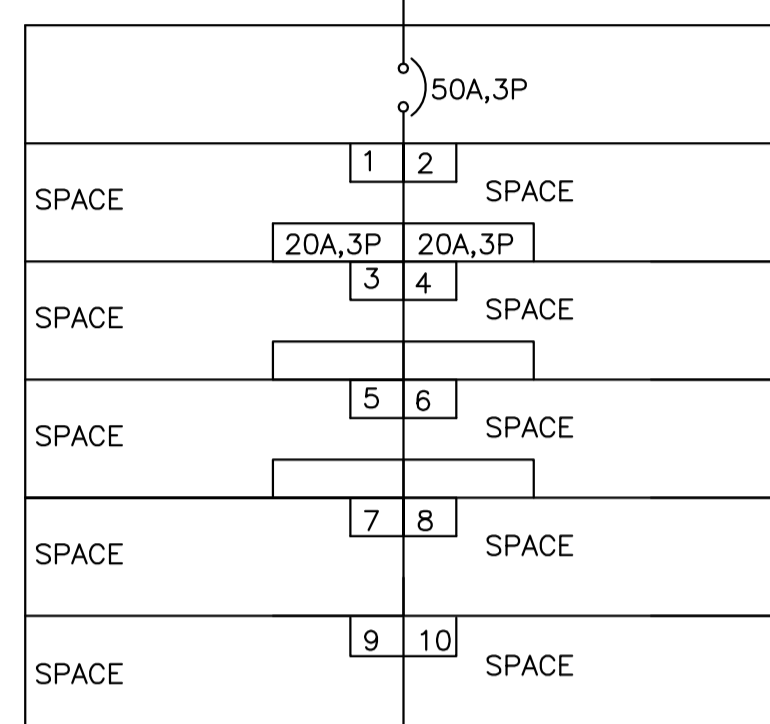
NEW PANEL PD1  
 1000A, 600V, 3PH, 4W,  
 50KA IC @ 600V  
 I-LINE SWITCHBOARD, OED TYPE  
 RM.108

NORMAL POWER @ M-38

1 M-38 SINGLE LINE DIAGRAM  
 E03 SCALE: N.T.S

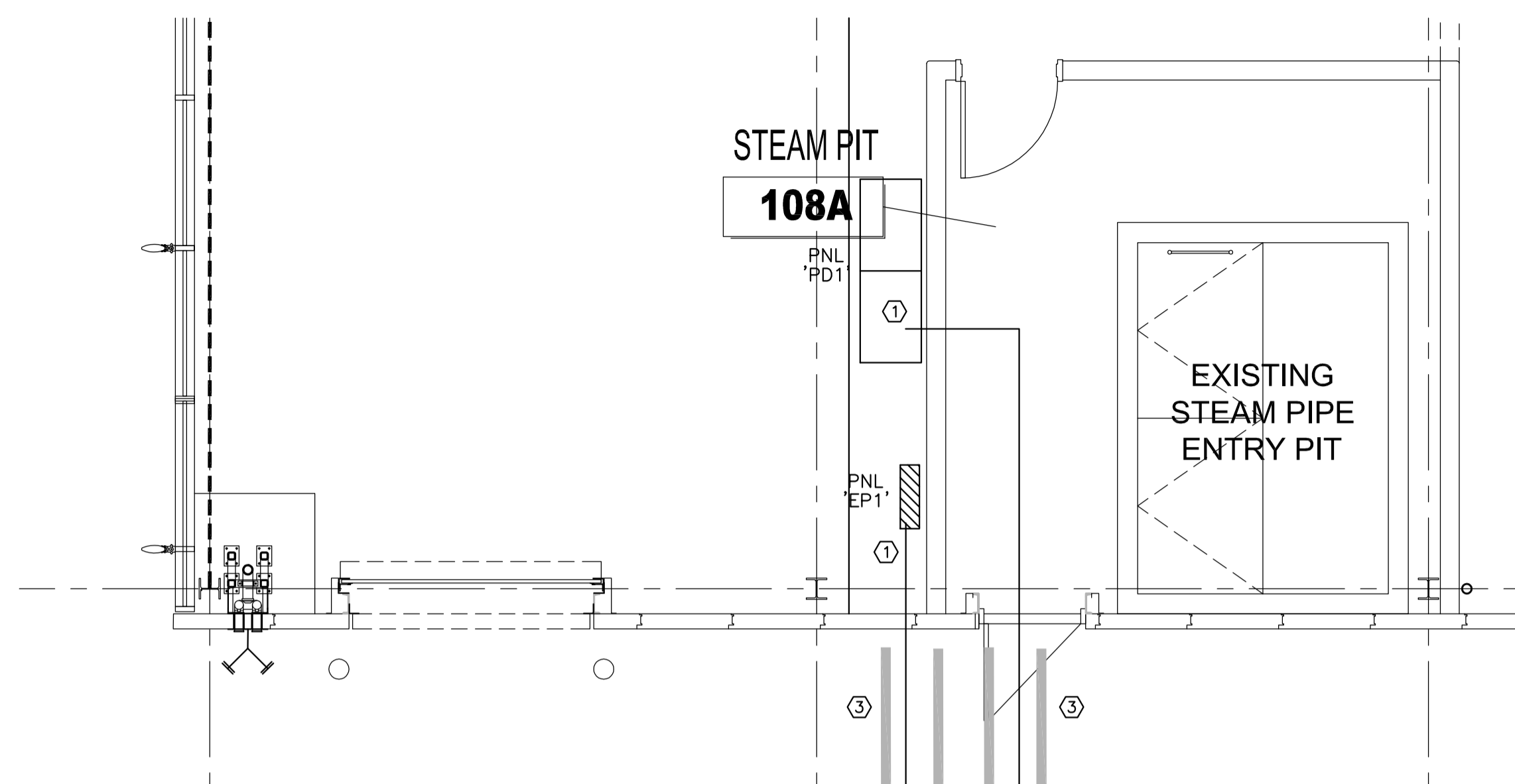
600V, 50A SERVICE FROM M-36  
 EDP1 NEW 50A BREAKER  
 ~250m LONG

3#2+GND TECK IN EXISTING DUCTBANK



NEW PANEL EP1  
 100A, 600V, 3P,  
 SQUARE "D" I-LINE  
 RM. 108

EMERGENCY POWER @ M-38



2 PARTIAL FLOOR PLAN  
 E03 SCALE: 1:50

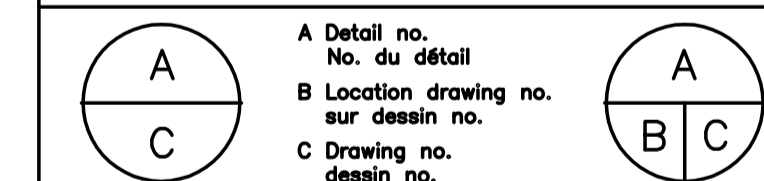
DRAWING NOTES: (X)

- CONDUIT ENTRY FROM BELOW. CONTRACTOR TO ROUGH IN CONDUIT FROM EXISTING TRENCH PRIOR TO SLAB BEING POURED.
- PROVIDE HOUSEKEEPING PAD FOR SWITCHBOARD. PAD TO EXTEND 100mm ON ALL SIDES OF SWITCHGEAR, 100mm HIGH, REINFORCED. CONTRACTOR TO CARRY ALL ASSOCIATED COSTS FOR STRUCTURAL ENGINEER. CONTRACTOR TO PROVIDE STAMPED DRAWINGS FROM STRUCTURAL ENGINEER LICENCED TO PRACTICE IN THE PROVINCE OF ONTARIO.
- EXISTING DUCTBANK.
- SUPPLY AND INSTALL, INTEGRATED INTO SWITCHGEAR, POWERLOGIC ION 7650 METER WITH ETHERNET PORT.


0	DEC. 12/17	ISSUED FOR TENDER	DIF
No.	Date	Revision	By: Par.

Date Printed Date imprimée

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project projet

**BUILDING M-38**  
**ACOUSTICAL FACILITY**

**1200 MONTREAL ROAD CAMPUS**  
**OTTAWA, ON**

drawing dessin

**M-38 SINGLE LINE DIAGRAM AND PARTIAL FLOOR PLAN**

designed conçu	date	date
CYC	DEC/2017	

drawn	dessiné	scale	échelle
CYC/DIF		AS NOTED	

checked	vérifié	sheet	of/de	feuille
FG		3	of/de	3

approved	approuvé	W.O.no.	D.T.no.
BV		A1-006442-01	

dwg.no. dessin no.

**5310-E03**

