

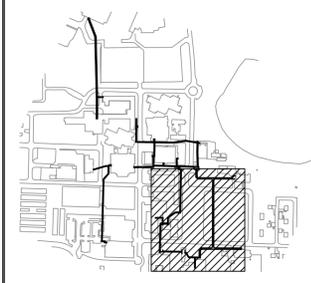
# TENDER

## NOT FOR CONSTRUCTION



ASSOCIATION OF PROFESSIONAL ENGINEERS & GEOSCIENTISTS OF SASKATCHEWAN  
**CERTIFICATE OF AUTHORIZATION**  
AECOM Canada Ltd.  
NUMBER C1667  
PERMISSION TO CONSULT HELD BY:  
DISCIPLINE: ELECTRICAL SASK. REG. No. SIGNATURE: [Signature]

Key Plan



E	Issued For Tender	19/09/30
D	Issued For 99% Review	19/06/21
C	Issued For 85% Review	19/03/15
B	Not Issued	-
A	Not Issued	-
Revision	Description	Date

Client  
**Public Works and Government Services Canada**

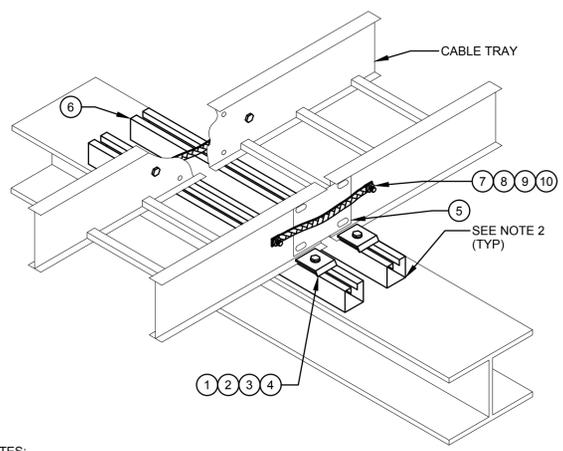
Project title

**Tunnel Revitalization**

Designed by: B. Stewart  
Drawn by: T. Shrufi  
Approved by: B. Wolfater  
PWGSC Project Manager: J. Dayman  
Drawing title

Package 1 - TBU43 - Tunnel  
Electrical  
Electrical Details

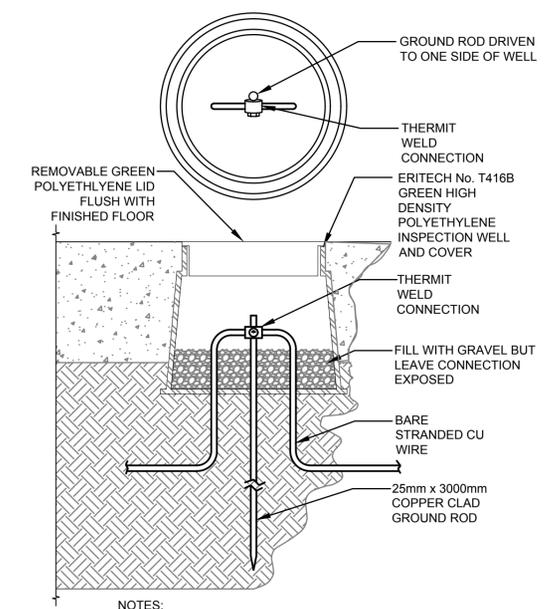
Project no.	Drawing no.	Revision no.
1004259	E1.02	E



NOTES:  
1. CABLE TRAY DESIGN IS BASED ON SIMPLE SPAN TRAY INSTALLATION.  
2. BOLT HEADS SHALL BE LOCATED INSIDE TRAY

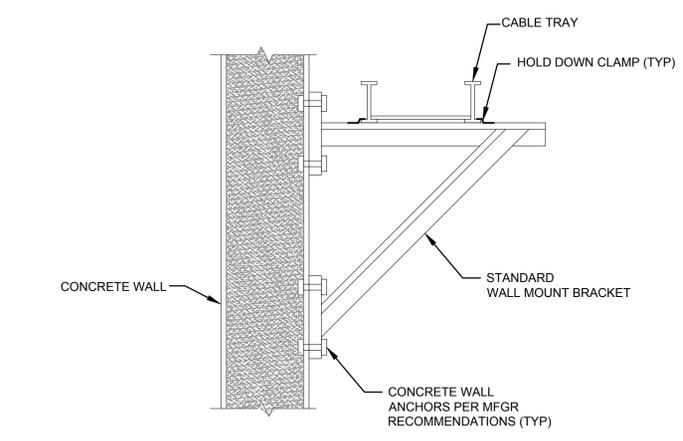
ITEM	QUANTITY	DESCRIPTION
1	4	HOLD DOWN CLAMP/EXPANSION GUIDE (ALUM.)
2	4	CAP SCREW HEX HEAD BOLT (STAINLESS STEEL)
3	4	FLAT WASHER (STAINLESS STEEL)
4	4	SPRING NUT (ZINC PLATED)
5	1 PR	EXPANSION SPLICE PLATE (COMPLETE WITH HARDWARE)
6	AS REQ'D	STRUT CHANNEL (HDG)
7	2	FLEXIBLE BRAID (COPPER)
8	4	CAP SCREW HEX HEAD BOLT (STAINLESS STEEL)
9	4	LOCK WASHER (STAINLESS STEEL)
10	4	HEX NUT (STAINLESS STEEL)

**2 | TYPICAL CABLE TRAY SPLICE BONDING DETAIL**  
STD N.T.S.

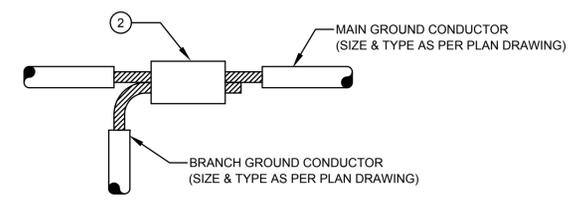


NOTES:  
1. THE SIZE OF BARE STRANDED CU WIRE MAY VARY. REFER TO ELECTRICAL DRAWINGS FOR SIZE.

**3 | GROUND ROD INSTALLATION DETAIL**  
STD N.T.S.



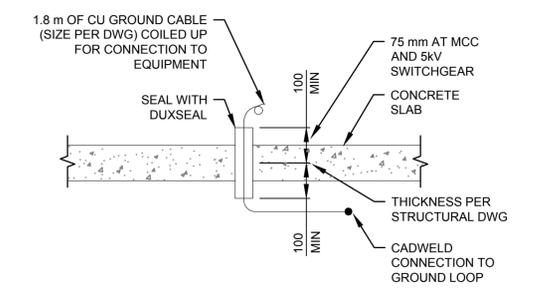
**1 | TYPICAL WALL MOUNTED CABLE TRAY DETAIL**  
STD N.T.S.



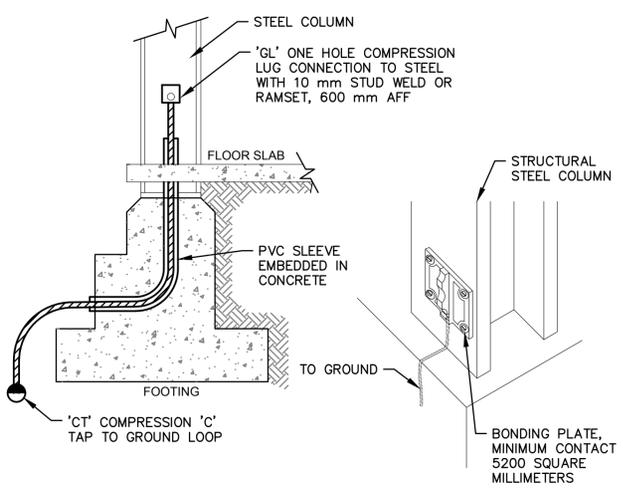
NOTES:  
1. PROVIDE MECHANICAL PROTECTION AS REQUIRED.

ITEM	QTY.	DESCRIPTION
1	1	SERVIT POST GROUND CONNECTOR, SINGLE CONDUCTOR (COPPER ALLOY)
2	1	COMPRESSION CONNECTOR, DIRECT BURIAL, C-TAP (COPPER)

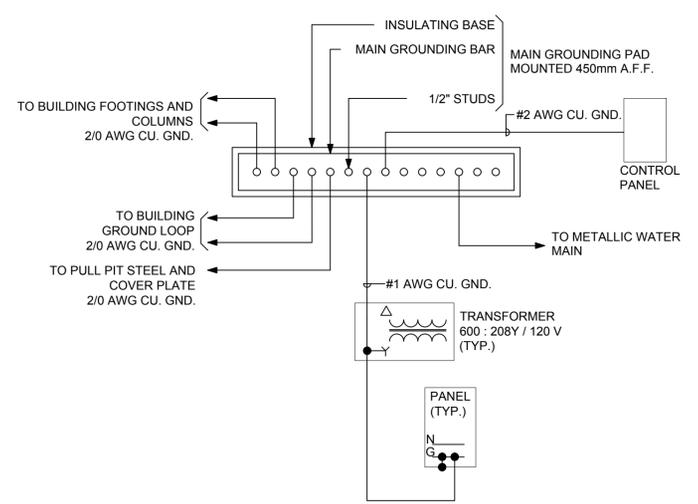
**6 | TYPICAL GROUND SPLICE DETAIL**  
STD N.T.S.



**7 | EQUIPMENT GROUND CABLE STUB-UP DETAIL**  
STD N.T.S.



**4 | STEEL COLUMN OF METAL BUILDING DETAIL**  
STD N.T.S.



NOTES:  
1. THE SIZE OF BARE STRANDED CU WIRE MAY VARY. REFER TO ELECTRICAL DRAWINGS FOR SIZE.

**5 | MAIN GROUNDING BUS DETAIL**  
STD N.T.S.

Last saved by: TAREG SHRUFU(2019-09-26) Last Printed: 2019-09-27  
Filename: P:\60577685900-CAD\_CIS\10-CAD\20-SHEETS\DESIGN\01-TENDER PACKAGE 1\E1.02-TBU43 ELECTRICAL DETAILS.DWG

