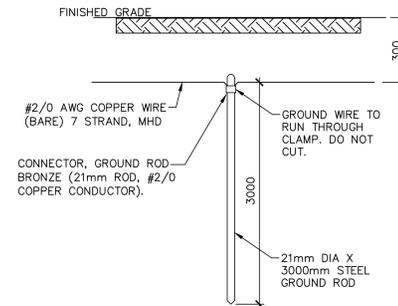
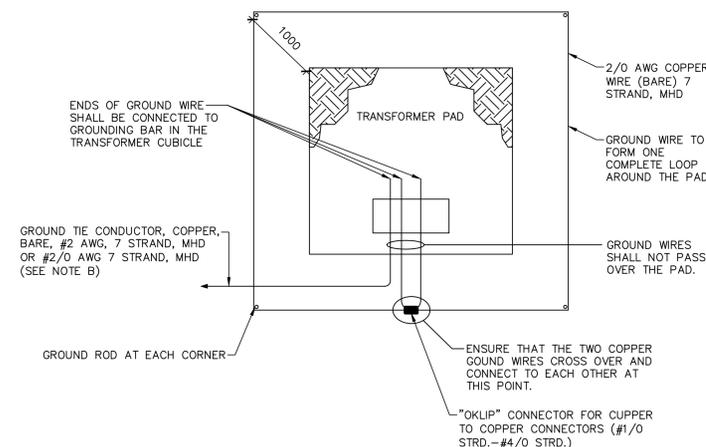


**REBAR SCHEDULE**

- C1001 - #10M BAR x 2100mm LG - 12 REQ'D
- C1002 - #10M BAR x 2300mm LG - 16 REQ'D
- C1003 - #10M BAR x 1450mm LG - 4 REQ'D

**NOTES:**

- A. REINFORCING 400MPa YIELD.
- B. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



**NOTES:**

- A. GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 36 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PART ONE.
- B. CONDUCTOR INSTALLED UNDERNEATH THE CONCRETE ENCASED DUCTBANK OR ADJACENT TO THE DIRECT BURIED CONDUITS. THE MINIMUM TWIRE SIZE SHALL BE #2/0 AWG FOR THREE-PHASE PADMOUNTS AND #2 AWG FOR SINGLE-PHASE PADMOUNTS. THE GROUND TIE SHALL INTERCONNECT THE PADMOUNT GROUND TO THE RISER POLE GROUND ROD(S) AND ANY OTHER PADMOUNT GROUND. UNDER SPECIAL CIRCUMSTANCES A CUSTOMER GROUND TIE FROM THE PAD TO THE CUSTOMER SERVICE SWITCH MAY BE REQUIRED BY THE INSPECTION AUTHORITY.
- C. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

**CONCRETE PAD FOR 3 $\phi$  PADMOUNT TRANSFORMER (150kVA-500kVA)**  
SCALE : N.T.S.

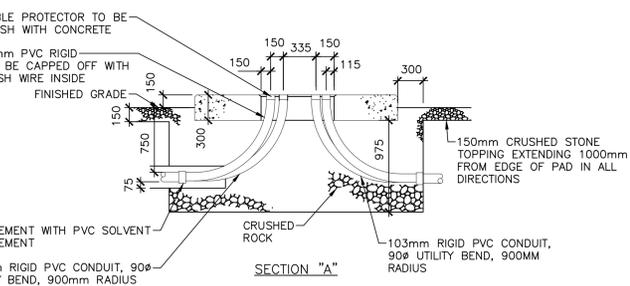
1  
E02/E06

**REINFORCING FOR TRANSFORMER (150kVA-500kVA)**  
SCALE : N.T.S.

2  
E02/E06

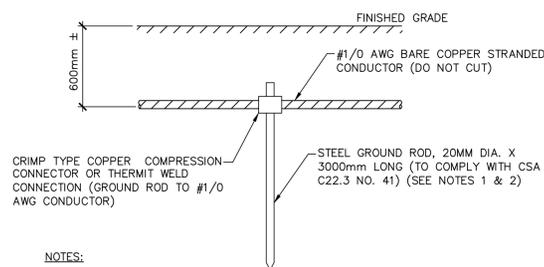
**DETAIL - PADMOUNT TRANSFORMER GROUNDING**  
SCALE : N.T.S.

2  
E02/E06



**NOTES:**

- A. CONCRETE - 30 MPa @ 28 DAYS
- B. REFER TO DETAIL #2, THIS SHEET, FOR REINFORCING DETAILS.
- C. REFER TO DETAIL #3, THIS SHEET, FOR GROUNDING DETAILS.
- D. LEAVE A MINIMUM OF 2000mm OF SECONDARY CABLE ABOVE THE TOP OF THE PAD
- E. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



**NOTES:**

- 1. IF THE GROUND ROD ENCOUNTERS ROCK AT A DEPTH OF 1.2m OR MORE, THE ROD SHALL BE DRIVEN TO THE ROCK BOTTOM AND THE REMAINING ROD SECTION SHALL BE BENT AND BURIED AT LEAST 600mm BELOW FINISHED GRADE LEVEL IN A HORIZONTAL TRENCH.
- 2. IF THE GROUND ROD ENCOUNTERS ROCK AT A DEPTH OF LESS THAN 1.2m, THEN THE ROD SHALL BE BURIED AT LEAST 600mm BELOW FINISHED GRADE LEVEL IN A HORIZONTAL TRENCH.

**DETAIL - BUILDING GROUND ROD CONNECTION**  
SCALE : N.T.S.

4  
-

The Association of Professional Engineers and the Province of Prince Edward Island  
Valid for the Year 2020  
Randy O'Connor  
No. 1275  
DATE: JAN. 17 2020  
LICENSED PROFESSIONAL ENGINEER  
Province of Prince Edward Island

0	ISSUED FOR TENDER	01.20.2020
revisions		date
project		project

**GREEN GABLES-PHASE 4 FIRE PROTECTION SYSTEM AND EMERGENCY POWER QUEENS CO., PEI**

**ELECTRICAL SECTIONS AND DETAILS**

designed TGC	conçu
date OCT-2019	
drawn JCM	dessiné
date OCT-2019	
approved	approuvé
date	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
<b>R.081199.001</b>	
drawing no.	no. du dessin
<b>E06</b>	