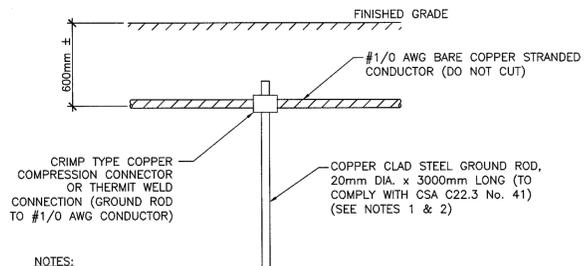


- NOTES:
- THE ABOVE DETAIL APPLIES ONLY TO ELECTRICAL SYSTEMS RATED 750V OR LESS.
 - MAINTAIN 300mm SEPARATION BETWEEN POWER AND COMMUNICATIONS CONDUITS.
 - ALL CONDUITS WHICH ENTER THE BUILDING MUST SLOPE AWAY FROM THE BUILDING FOUNDATION. MINIMUM SLOPE: 1 IN 100.

DETAIL - TYPICAL UNDERSLAB CONDUITS

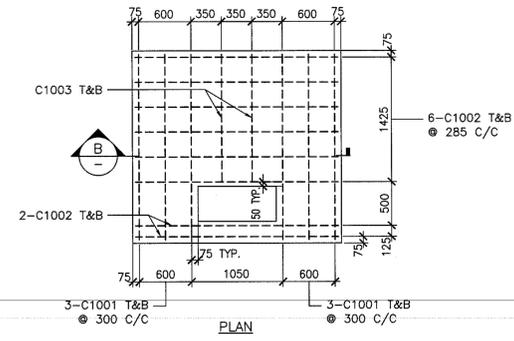
SCALE : N.T.S.



- NOTES:
- 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.
 - 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.



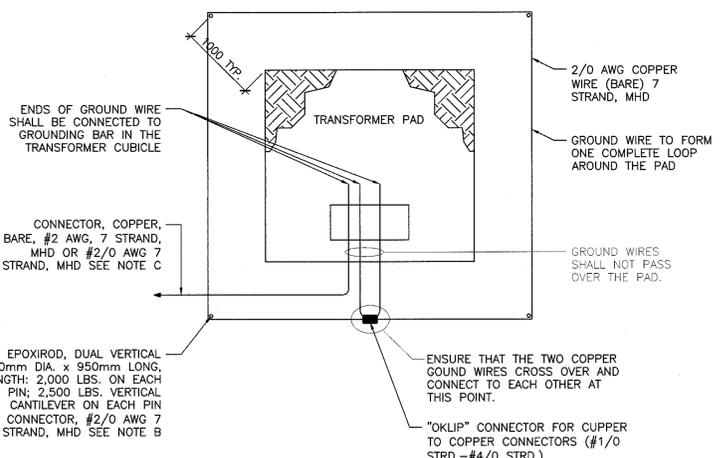
REBAR SCHEDULE

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

REINFORCING FOR DETAIL - TRANSFORMER (150kVA-500kVA)

SCALE : N.T.S.



- NOTES:
- GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 36 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PART ONE.
 - REFER TO DWG No. 10U-ED-11M (NSPI) FOR GROUND ROD CONNECTION DETAILS. THE GROUND TIE SHALL BE A BARE COPPER
 - CONDUCTOR INSTALLED UNDERNEATH THE CONCRETE ENCASED DUCTBANK OR ADJACENT OF THE DIRECT BURIED CONDUITS. THE MINIMUM WIRE 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.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

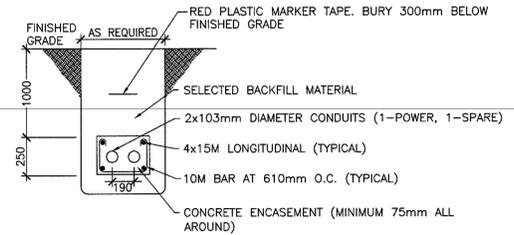
DETAIL - PADMOUNT TRANSFORMER GROUNDING

SCALE : N.T.S.

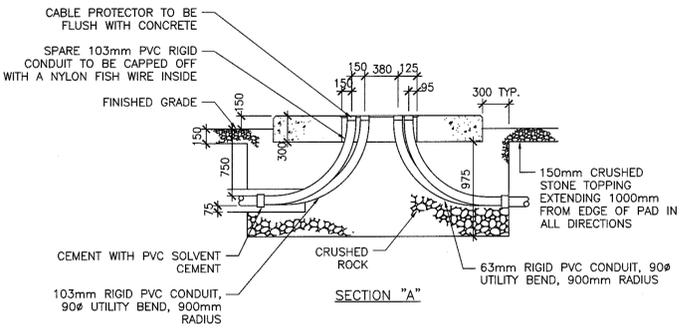
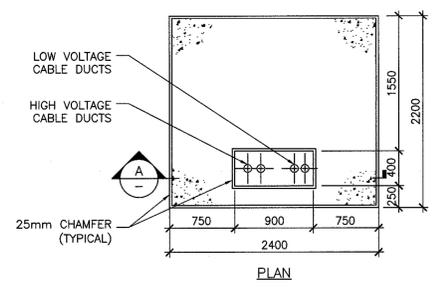


DETAIL - PRIMARY DUCTBANK

SCALE : N.T.S.



- NOTES:
- COORDINATE UTILITY GROUND CONDUCTOR LOCATION WITH THE UTILITY PRIOR TO INSTALLATION.



- NOTES:
- CONCRETE - 30 MPa @ 28 DAYS
 - REFER TO DETAIL #6, THIS SHEET, FOR REINFORCING DETAILS.
 - REFER TO DETAIL #2, THIS SHEET, FOR GROUNDING DETAILS.
 - LEAVE A MINIMUM OF 2000mm OF SECONDARY CABLE ABOVE THE TOP OF THE PAD
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

CONCRETE PAD FOR 3φ PADMOUNT TRANSFORMER (150kVA-500kVA)

SCALE : N.T.S.



revisions	date	project
5	09.15 2017	ISSUED FOR TENDER
4	09.01 2017	RS4 - 100% SUBMISSION
3	06.30 2017	RS4 - 99% SUBMISSION
2	06.01 2017	RS4 - 66% SUBMISSION
1	04.30 2017	RS4 - 33% SUBMISSION
0	03.31 2017	RS3 SUBMISSION

project
**GREEN GABLES-PHASE 2
NEW VISITOR
CENTRE**
QUEENS CO., PEI

drawing
ELECTRICAL
DESIGN
**DETAILS
1 OF 2**

designed	JAS	conçu
date	MAR-2017	
drawn	ALW	dessiné
date	MAR-2017	
approved		approuvé
date		
Tender	Submission	
PWSSC Project Manager	Administrateur de projets TPSSC	
project number	R.081199.001	no. du projet
drawing no.	EG02 OF 7	no. du dessin