

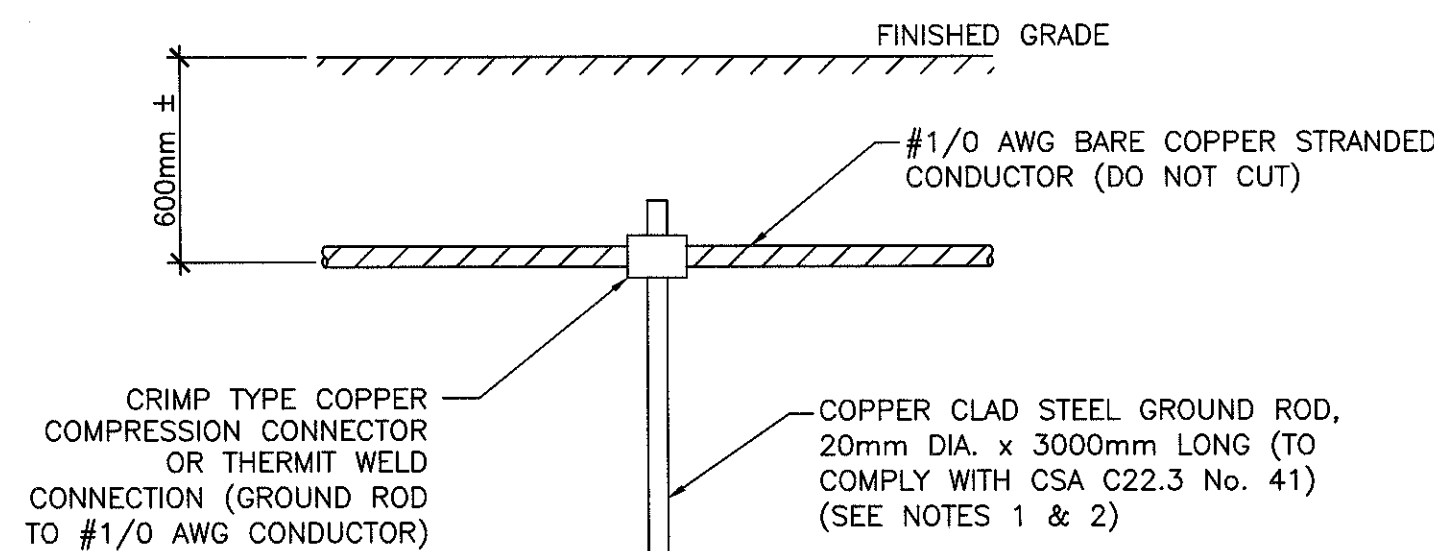
NOTES:

1. THE ABOVE DETAIL APPLIES ONLY TO ELECTRICAL SYSTEMS RATED 750V OR LESS.
2. MAINTAIN 300mm SEPARATION BETWEEN POWER AND COMMUNICATIONS CONDUITS.
3. 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.

1
EG02 EG02



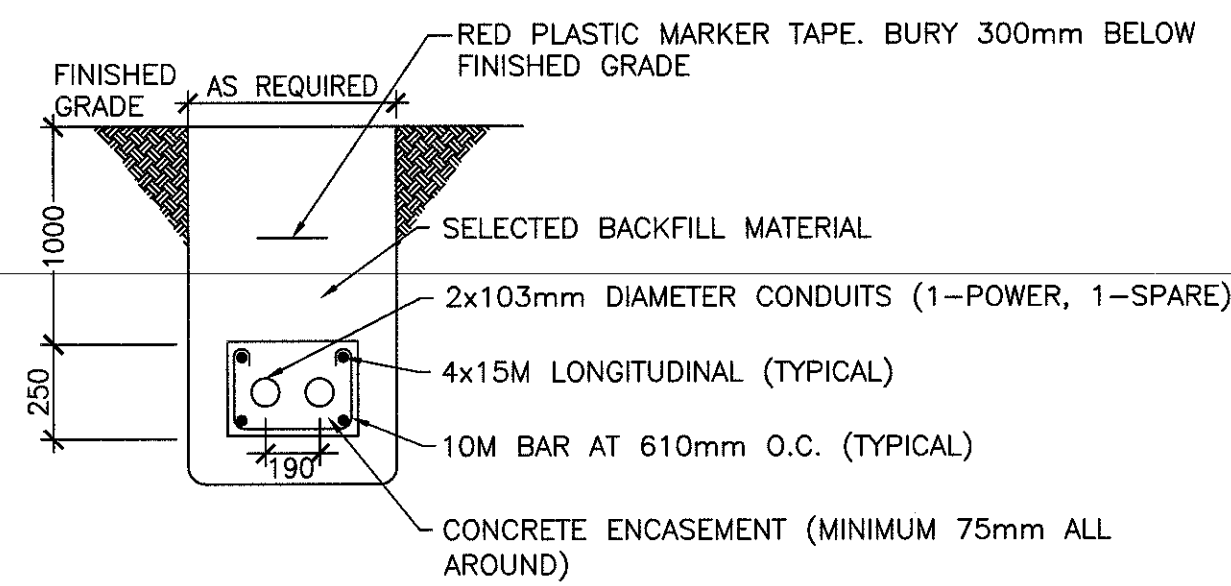
NOTES:

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.

3
EG02 EG02



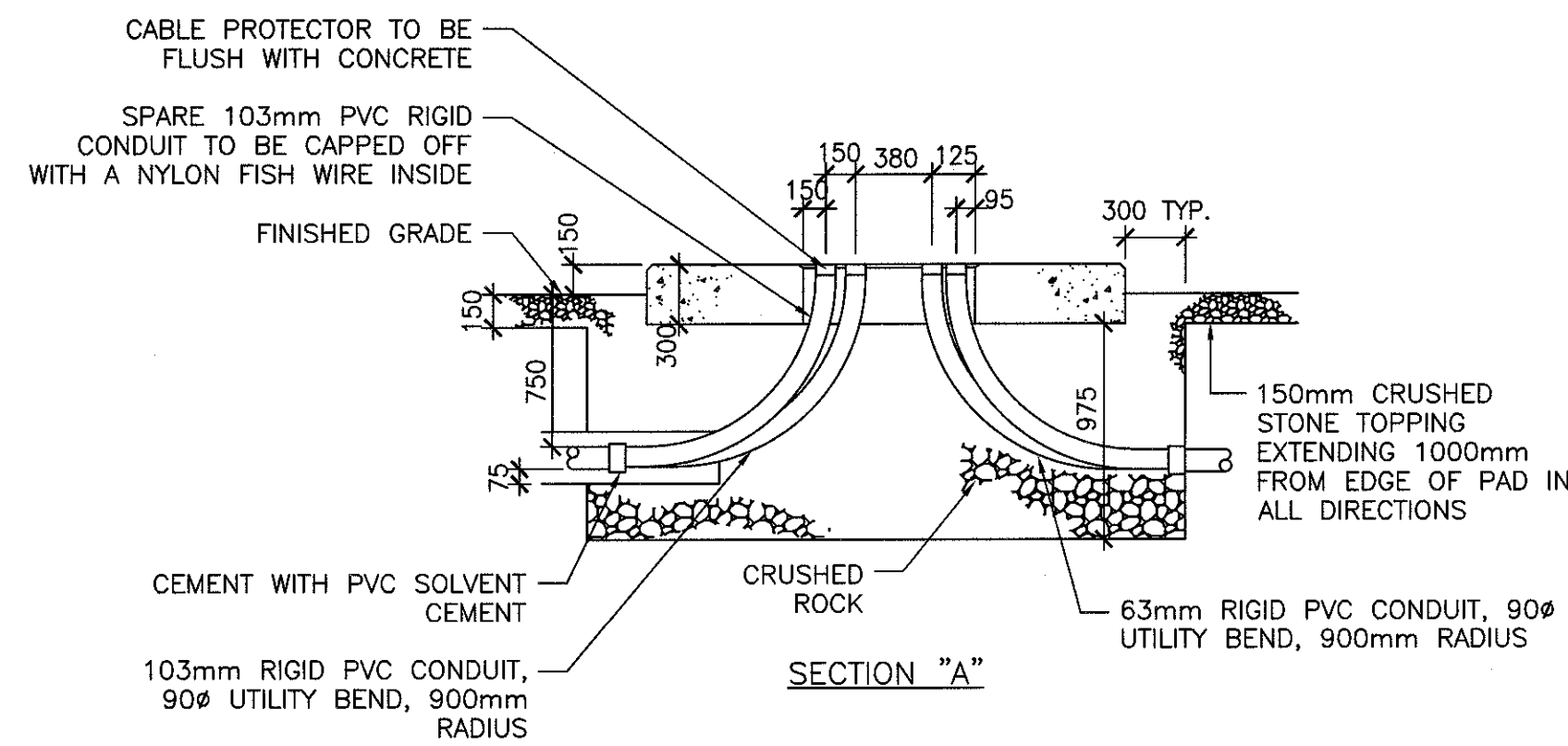
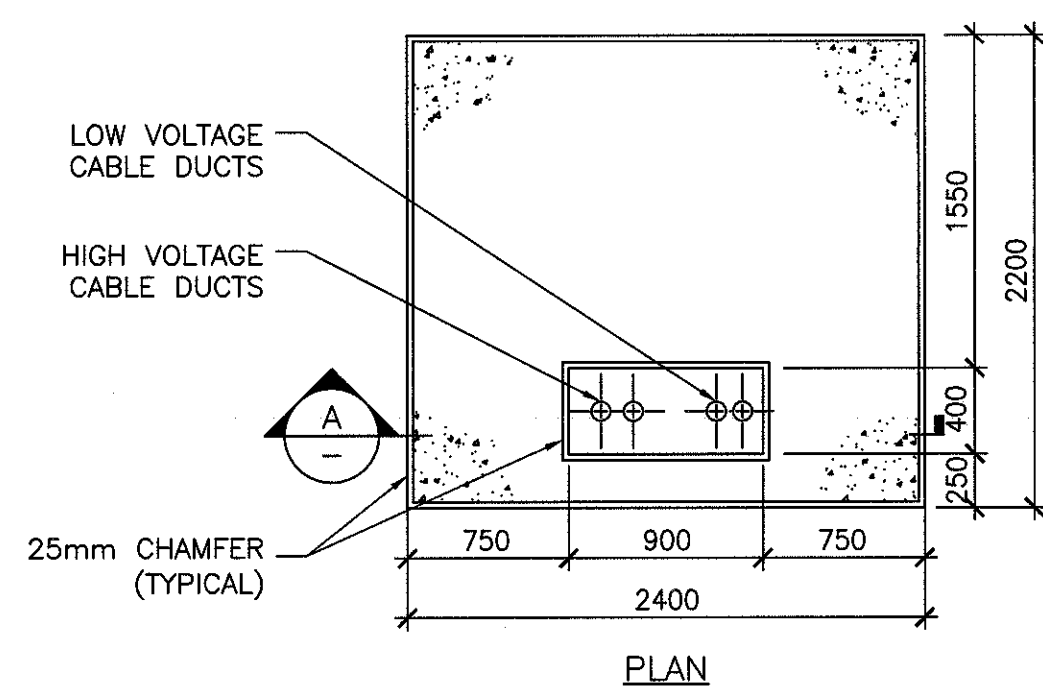
NOTES:

1. COORDINATE UTILITY GROUND CONDUCTOR LOCATION WITH THE UTILITY PRIOR TO INSTALLATION.

DETAIL — PRIMARY DUCTBANK

SCALE : N.T.S.

4
EG01 EG01



NOTES:

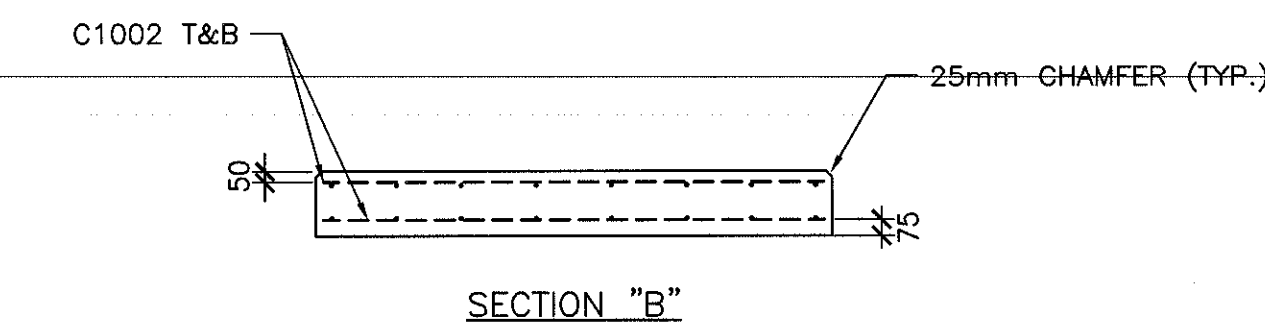
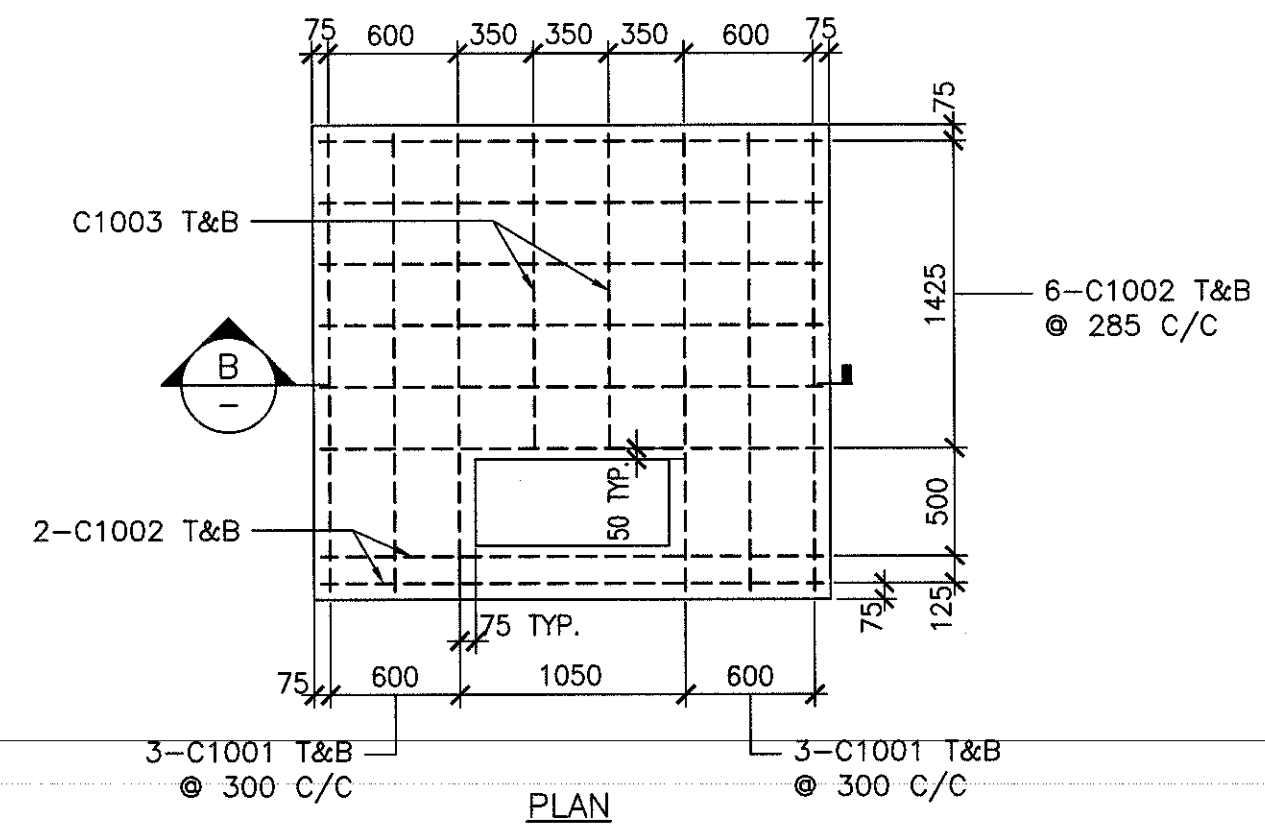
- A. CONCRETE — 30 MPa @ 28 DAYS
- B. REFER TO DETAIL #6, THIS SHEET, FOR REINFORCING DETAILS.
- C. REFER TO DETAIL #2, THIS SHEET, FOR GROUNDING DETAILS.
- D. LEAVE A MINIMUM OF 2000mm OF SECONDARY CABLE ABOVE THE TOP OF THE PAD
- E. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

CONCRETE PAD FOR 3φ
PADMOUNT TRANSFORMER

DETAIL — (150kVA—500kVA)

SCALE : N.T.S.

5
EG02 EG02



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

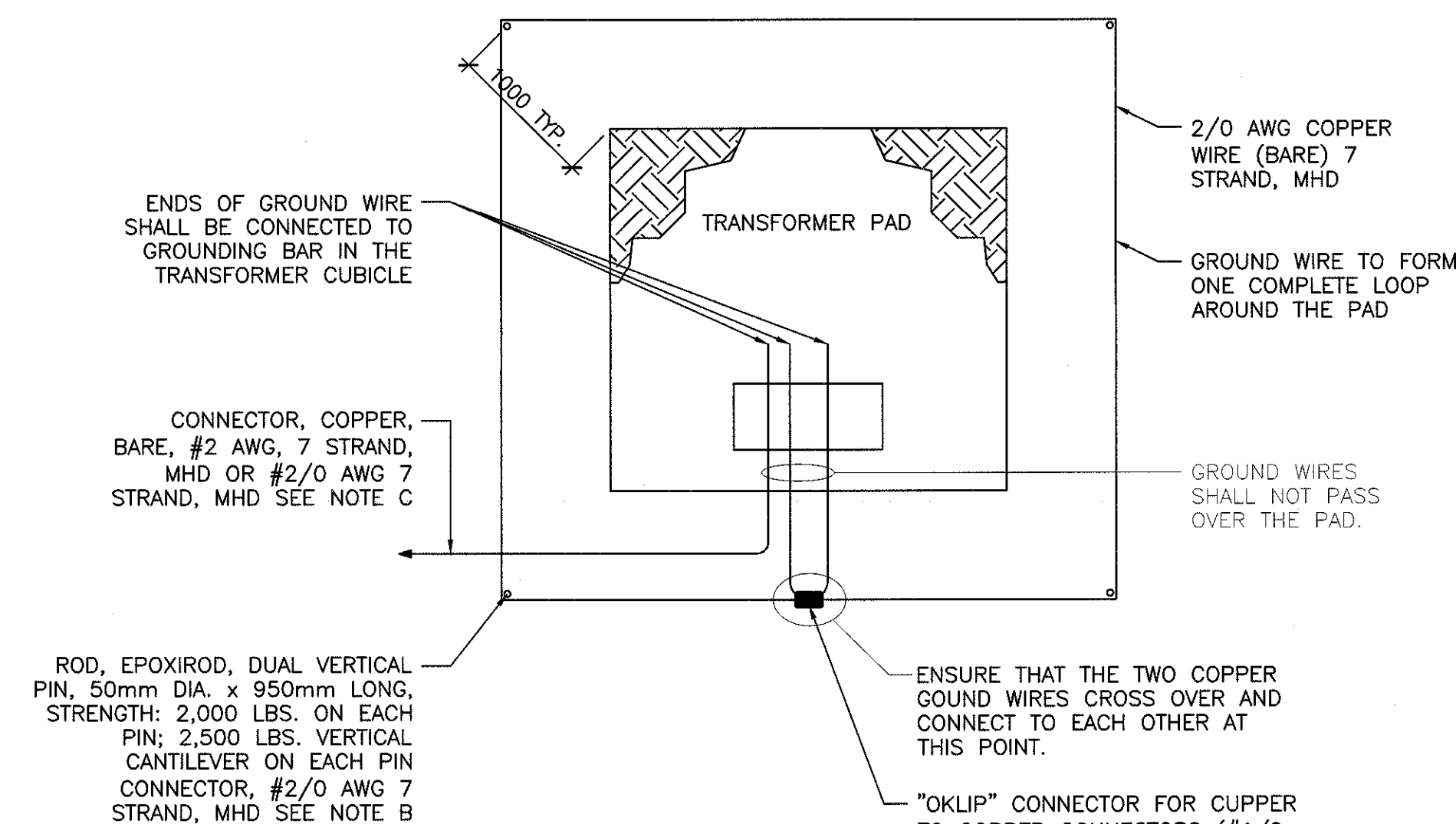
NOTES:

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

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

SCALE : N.T.S.

6
EG02 EG02



NOTES:

- A. GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 36 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PART ONE.
- B. REFER TO DWG No. 10U-ED-11M (NSPI) FOR GROUND ROD CONNECTION DETAILS. THE GROUND TIE SHALL BE A BARE COPPER
- C. 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.
- D. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

DETAIL — PADMOUNT TRANSFORMER GROUNDING

SCALE : N.T.S.

2
EG02 EG02

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

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

drawing ELECTRICAL
desin

DETAILS
1 OF 2

designed JAS	conqu
date MAR—2017	
drown ALW	desiné
date MAR—2017	
approved	approuvé
date	
Tender	Soumission
PWGS&C Project Manager	Administrateur de projets TPSGC
project number R.081199.001	no. du projet
drawing no. EG02 OF 7	no. du dessin