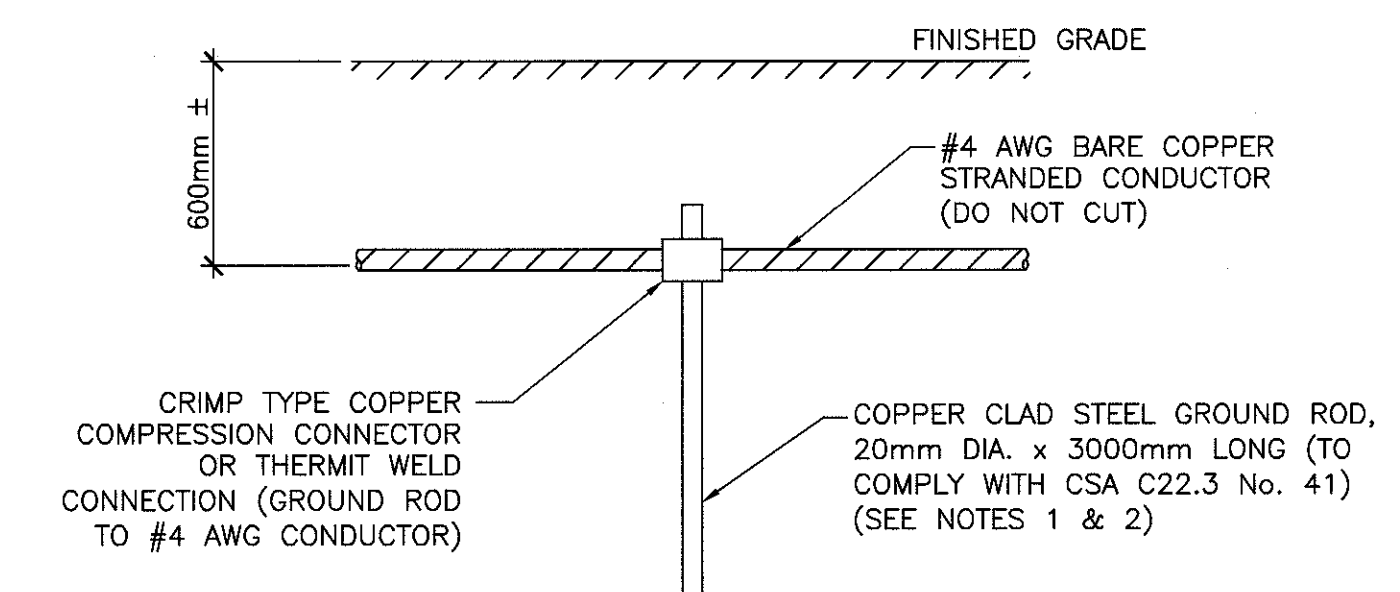


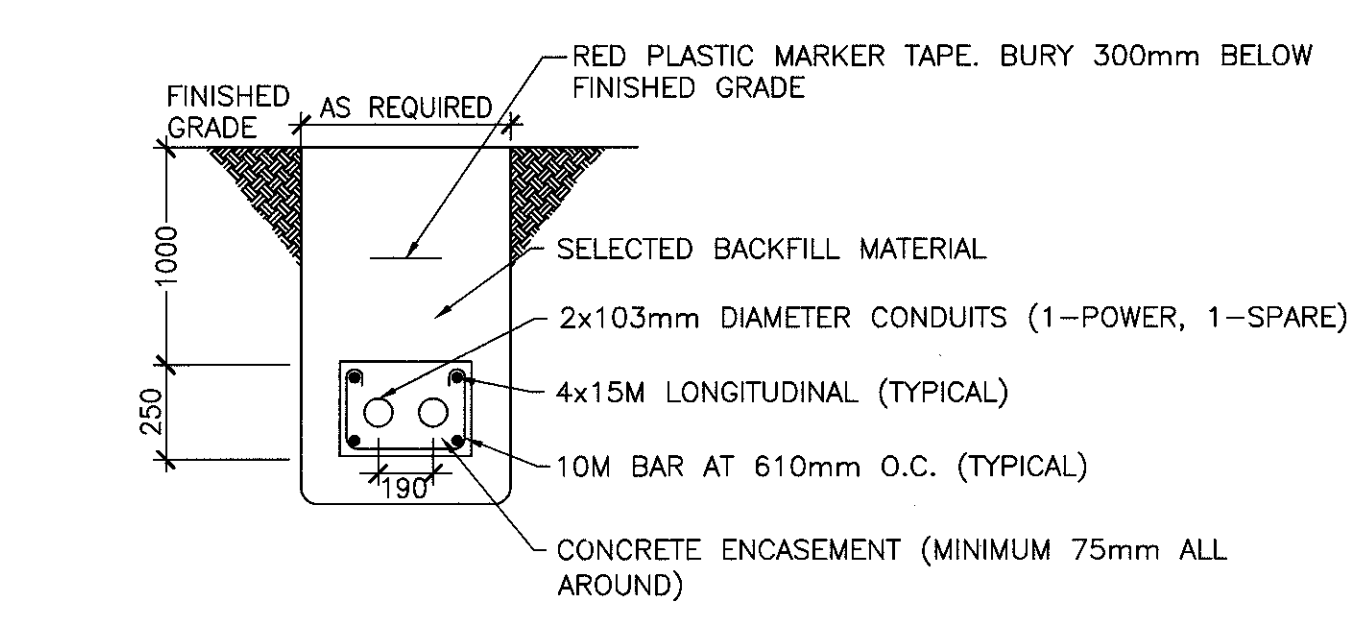
1 FIRE ALARM SYSTEM RISER DIAGRAM
SCALE : N.T.S.

- NOTES:
1. CONFIRM EXACT WIRING WITH MANUFACTURER PRIOR TO ORDERING (TYPICAL).



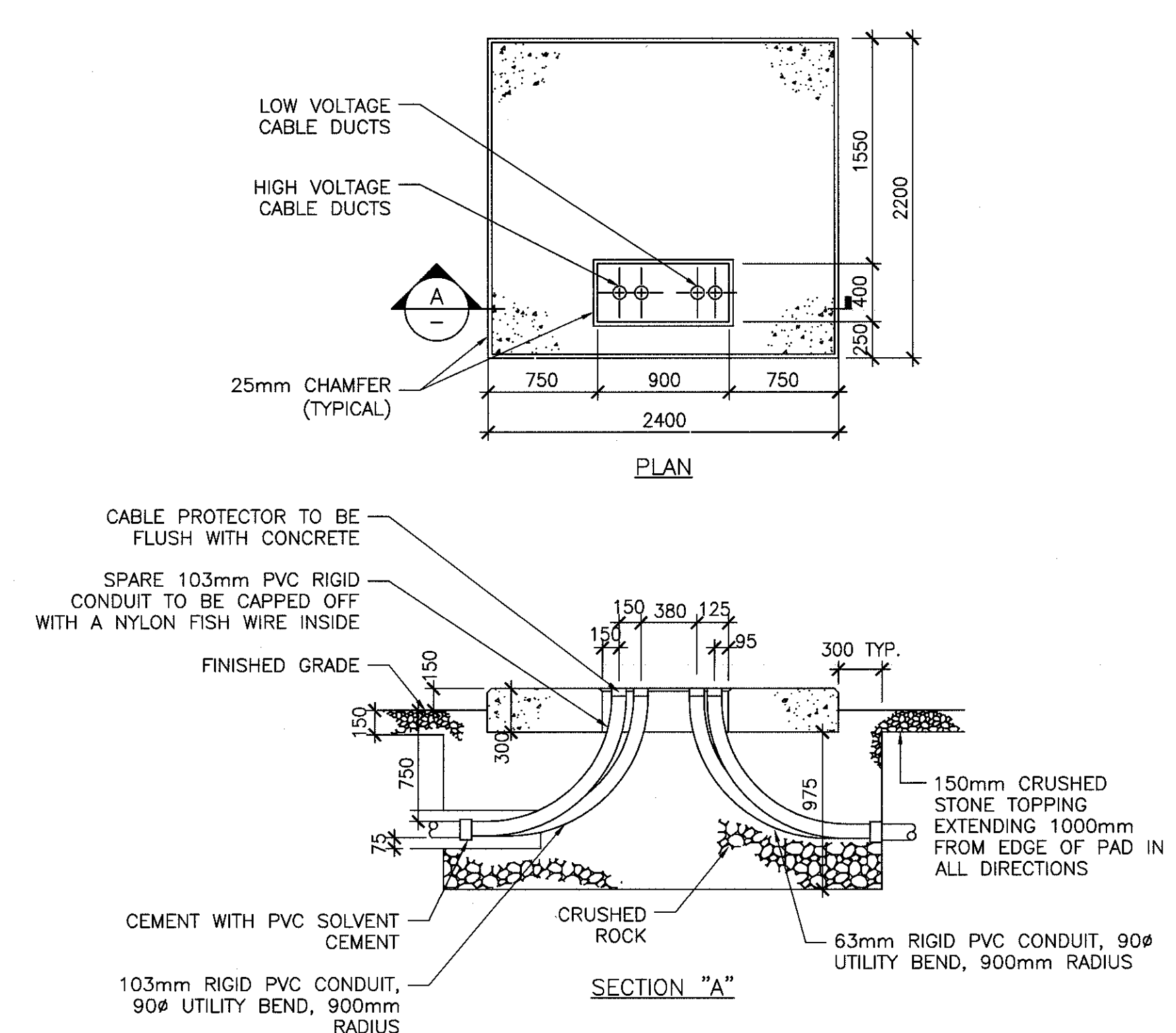
- NOTES:
1. IF THE GROUND ROD ENCOUNTERS ROCK AT A DEPTH OF 1.2m OR MORE, THE ROD SHALL BE DRIVEN TO THE ROCK BOTTOM AND THE REMAINING ROD SECTION SHALL BE BENT AND BURIED AT LEAST 600mm BELOW FINISHED GRADE LEVEL IN A HORIZONTAL TRENCH.
 2. IF THE GROUND ROD ENCOUNTERS ROCK AT A DEPTH OF LESS THAN 1.2m,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

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



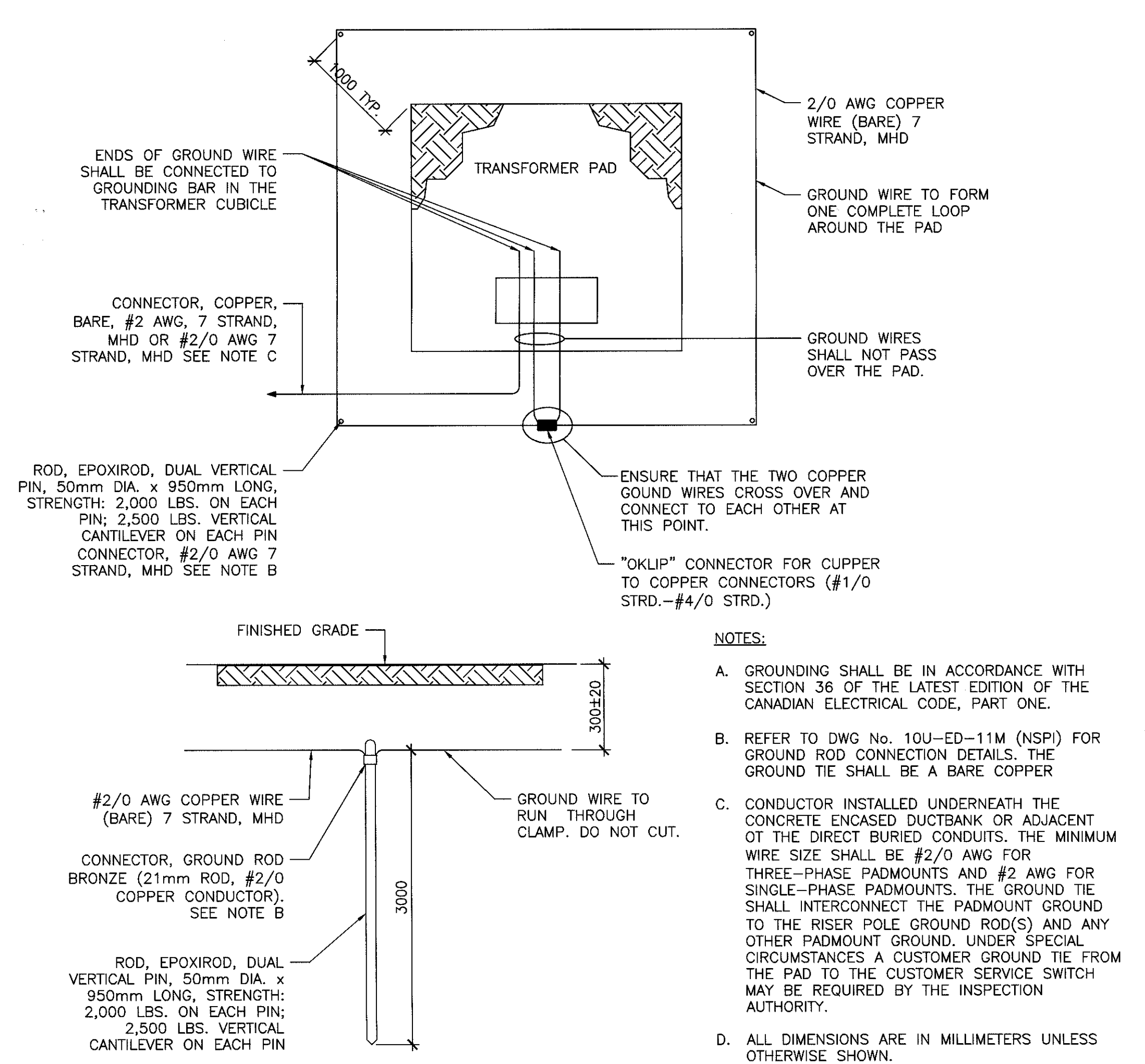
- NOTES:
1. COORDINATE UTILITY GROUND CONDUCTOR LOCATION WITH THE UTILITY PRIOR TO INSTALLATION.

4 DETAIL - PRIMARY DUCTBANK
SCALE : N.T.S.



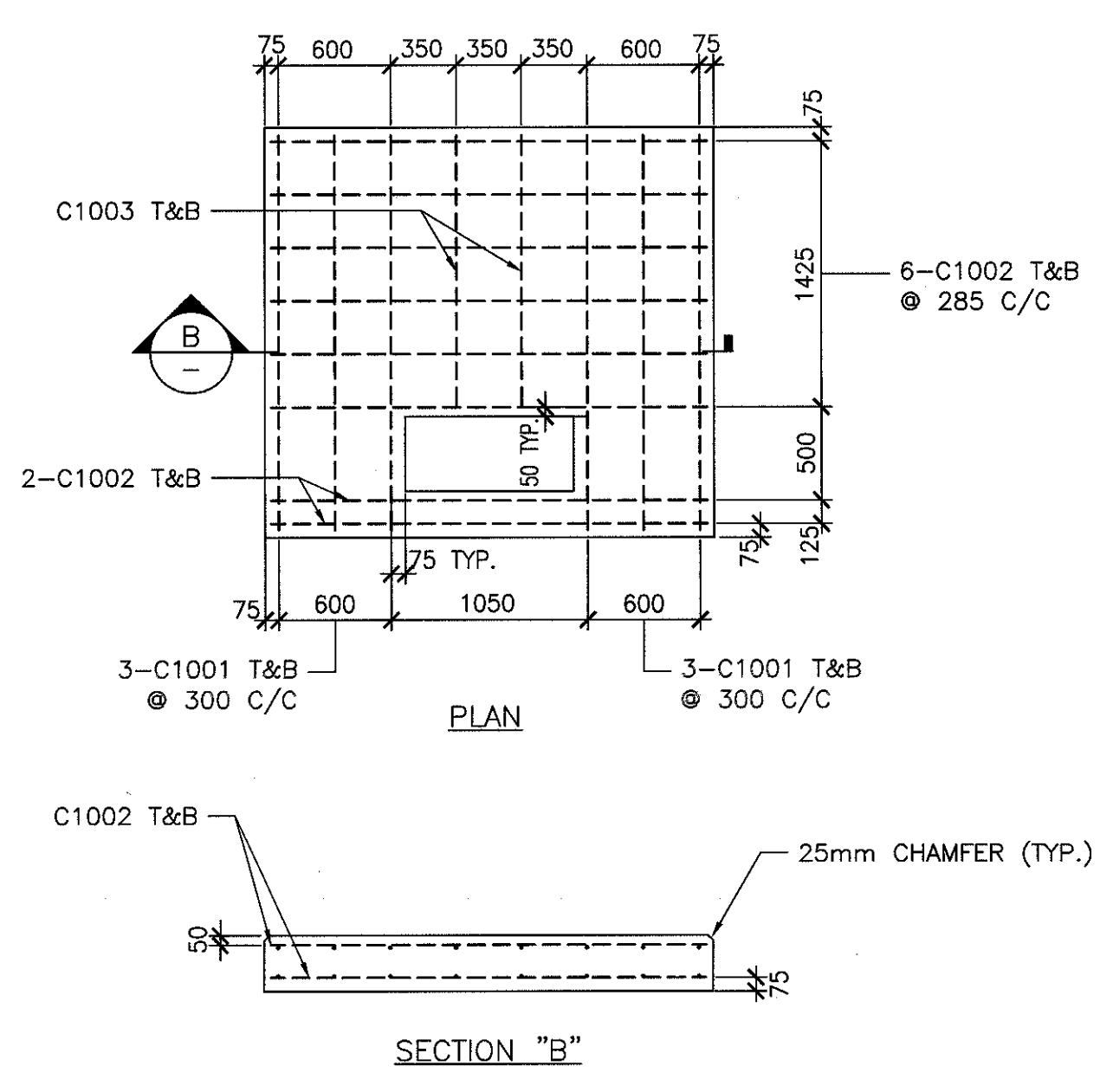
- NOTES:
- A. CONCRETE - 30 MPa @ 28 DAYS
 - B. REFER TO DETAIL #6, THIS SHEET, FOR REINFORCING DETAILS.
 - C. REFER TO DETAIL #2, THIS SHEET, FOR GROUNDING DETAILS.
 - D. LEAVE A MINIMUM OF 2000mm OF SECONDARY CABLE ABOVE THE TOP OF THE PAD
 - E. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

5 CONCRETE PAD FOR 3φ PADMOUNT TRANSFORMER (150kVA-500kVA)
SCALE : N.T.S.



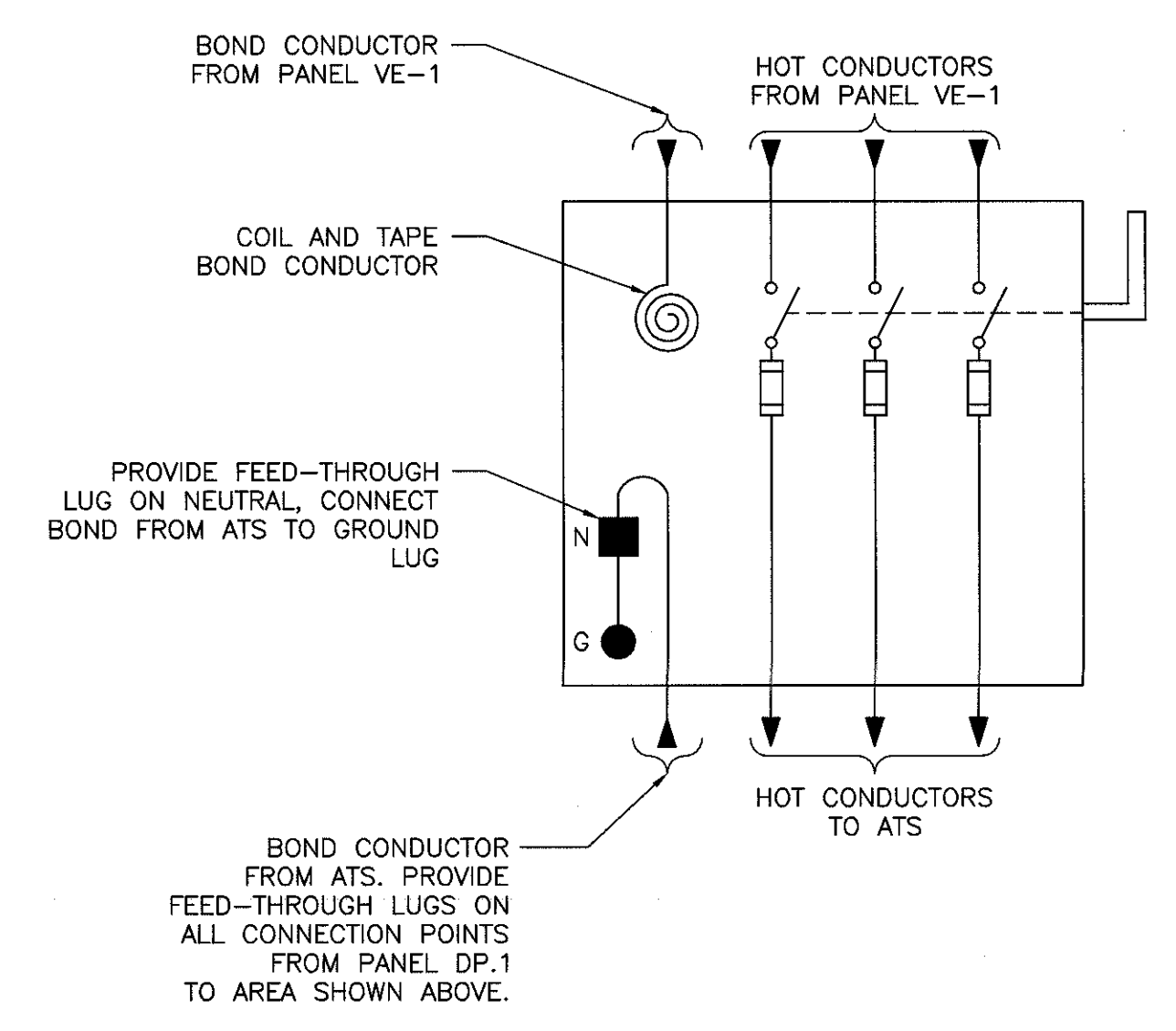
- NOTES:
- A. GROUNDING SHALL BE IN ACCORDANCE WITH SECTION 36 OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE, PART ONE.
 - B. REFER TO DWG No. 10U-ED-11M (NSP) FOR GROUND ROD CONNECTION DETAILS. THE GROUND TIE SHALL BE A BARE COPPER
 - C. CONDUCTOR INSTALLED UNDERNEATH THE CONCRETE ENCASED DUCTBANK OR ADJACENT OT 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.

2 DETAIL - PADMOUNT TRANSFORMER GROUNDING
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:
- A. REINFORCING 400MPa YIELD.
 - B. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

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



7 DETAIL - 3φ DISCONNECT SWITCH
SCALE : N.T.S.