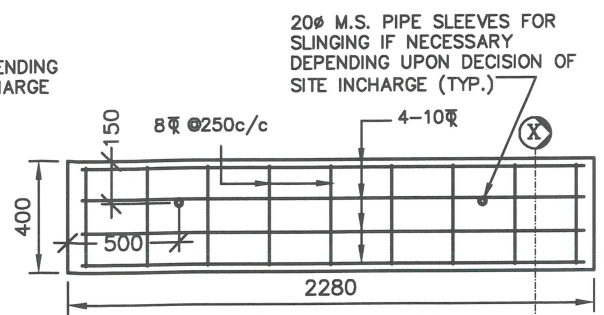
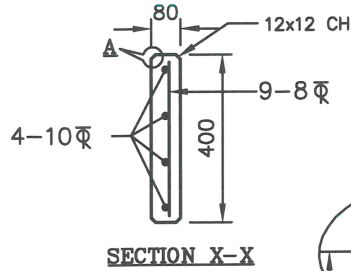


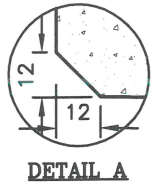
SECTION AT C-C (TYP.)



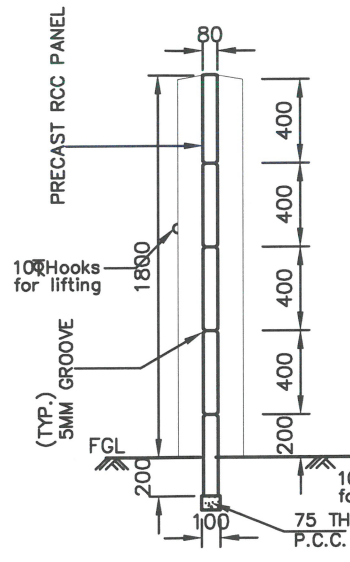
RCC DETAILS OF PANEL (TYP.) LONG-SEC.



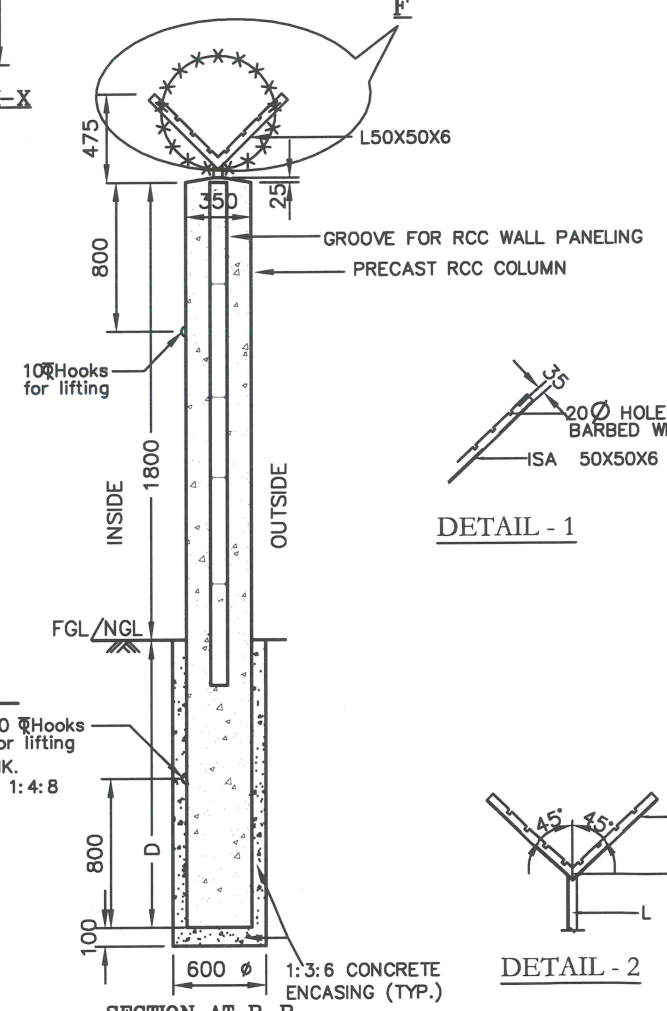
SECTION X-X



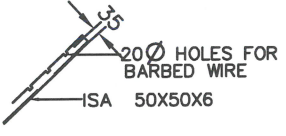
DETAIL A



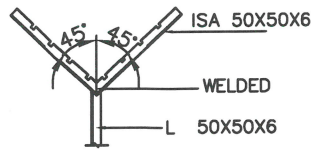
SECTION AT A-A (TYP.)



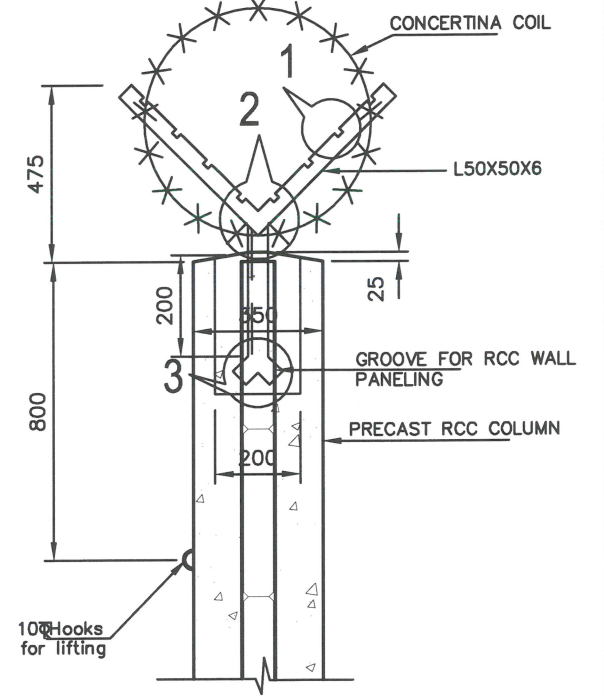
SECTION AT B-B (TYP.)



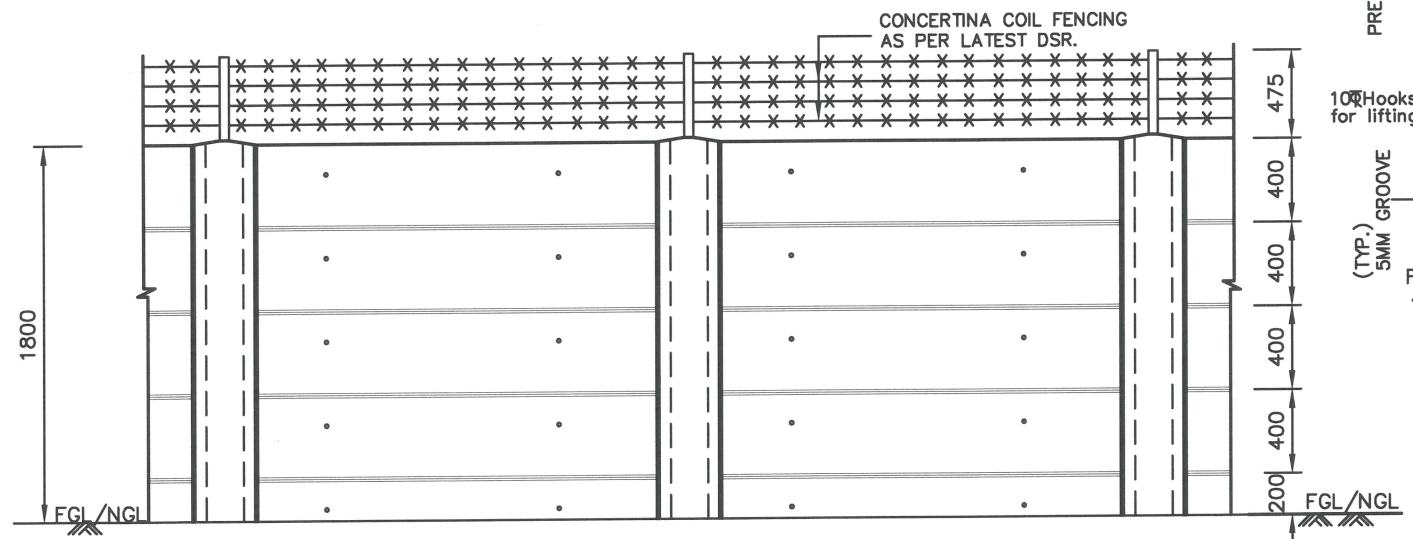
DETAIL - 1



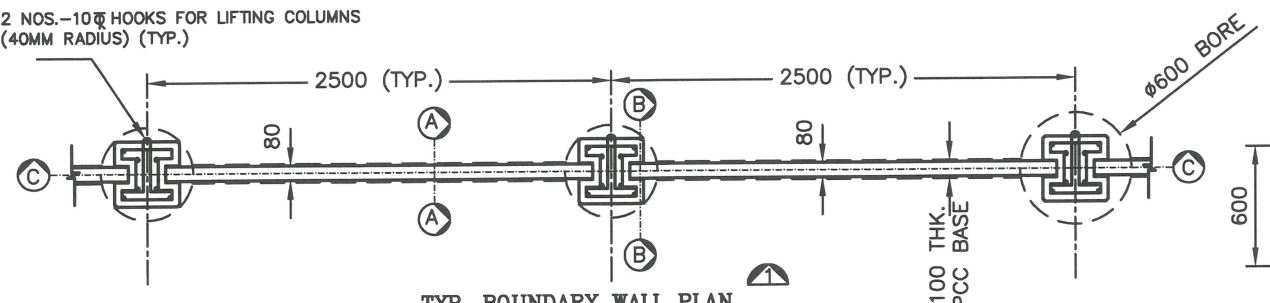
DETAIL - 2



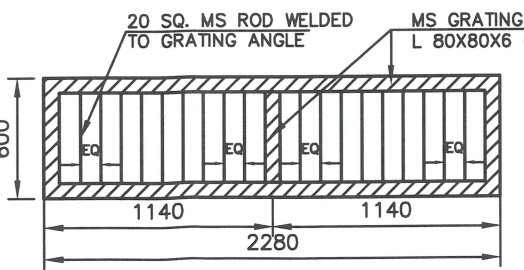
DETAIL - F



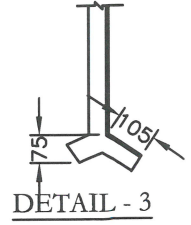
ELEVATION AT 1



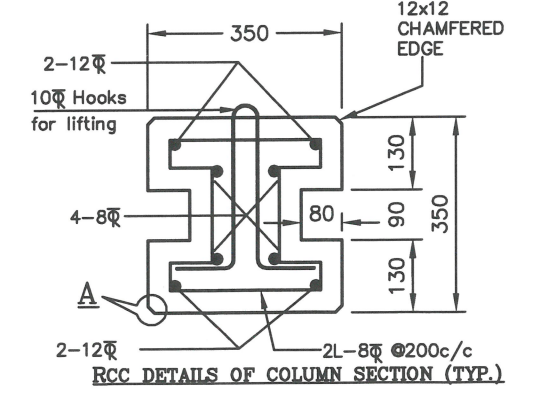
TYP. BOUNDARY WALL PLAN



TYP. GRATING PANEL DETAILS



DETAIL - 3



RCC DETAILS OF COLUMN SECTION (TYP.)

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
  2. LOCATION OF BOUNDARY WALL SHALL BE AS PER APPROVED G.A. DRAWING.
  3. ALL CONCRETE SHALL BE OF M25 GRADE (DESIGN MIX).
  4. CONCERTINA COIL FENCING OF 600 MM DIA. SHALL BE AS PER LATEST DSR.
  5. P.C.C. OF 1:3:6 GRADE SHALL BE WITH 20 MM NOMINAL SIZE AGGREGATE.
  6. EXPANSION JOINTS ARE TO BE PROVIDED IN THE BOUNDARY WALL AT A MAX. OF 45.00 M.
  7. ALL STRUCTURAL STEEL SHALL CONFORM TO IS:2062. ANGLE FOR CONCERTINA COIL SHALL BE PAINTED WITH TWO OR MORE COATS OF SYNTHETIC ENAMEL PAINT OF APPROVED BRAND AND MANUFACTURE OVER A PRIMING COAT OF APPROVED STEEL PRIMER. IT WILL ALSO TO BE WELDED TO INSERTED ANGLE PROVIDED IN PRE-FABRICATED COLUMN.
  8. THE RISE / FALL IN BOUNDARY WALL FOUNDATION SHALL BE PROVIDED WHEREVER THE DIFFERENCE IN GROUND LEVEL IS MORE THAN 300 MM.
  9. NO. OF M.S. GRATING PANELS, THEIR LOCATION AND THE LEVELS SHALL BE DECIDED BY SITE AS PER THE SITE CONDITIONS KEEPING IN VIEW THE MAX. POSSIBLE CATCHMENT AREA FOR EACH GRATING.
  10. ALL M.S. SECTIONS USED FOR GRATING SHALL BE PAINTED WITH TWO OR MORE COATS OF BLACK ANTI-CORROSIVE BITUMASTIC PAINT OF APPROVED BRAND AND MANUFACTURE OVER A PRIMING COAT OF APPROVED STEEL PRIMER.
  11. REINFORCEMENT BARS SHALL BE H.Y.S.D. BARS OF GRADE Fe 500, OR TMT BARS OF EQUIVALENT GRADE.
  12. CLEAR COVER TO MAIN REINFORCEMENT FOR COLUMN SHALL BE 40 MM AND REINFORCEMENT IN WALL PANELS SHALL BE CENTRALLY PLACED.
  13. THIS DRAWING IS APPLICABLE FOR NORMAL SOILS ONLY & SHALL NOT BE APPLICABLE FOR FILLED-UP AREAS, MARSHY AREAS & ROCKY AREAS.
  14. DOUBLE COLUMNS SHALL BE PROVIDED AT LOCATIONS, WHERE THE DIFFERENCE IN GROUND LEVEL IS MORE THAN 300 MM, OR CHANGE IN ALIGNMENT OF THE BOUNDARY WALL OCCURS.
  15. THE LENGTH OF COLUMN BELOW NGL MAY BE INCREASED BEYOND 1.5M & UPTO 2.0M, IF SITE CONDITIONS REQUIRE SO. HOWEVER, SAME RC DETAILS SHALL BE APPLICABLE TO THE EXTRA LENGTH OF COLUMN.
  16. WALL PANELS OF SMALLER LENGTH, IF REQUIRED AT CORNERS/TURNINGS/ELSEWHERE MAY BE CAST-IN-SITU/PRE-FABRICATED. HOWEVER, SPACING OF REINFORCEMENT SHALL REMAIN SAME.

Where "D"=1.50m for earth fill upto 300mm  
=2.00m for earth fill upto 800mm

RELEASED FOR TENDER/CONSTRUCTION.

PREP.	REV.D.	REV.D.	APPD.	DATE
				18/11/2019

**POWER GRID CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)

PROJECT :  
STANDARD PREFABRICATED RCC BOUNDARY WALL FOR TBCB PROJECTS

TITLE :  
DETAILS OF PRE-FABRICATED RCC BOUNDARY WALL

SCALE :  
NTS

DRAWING NO. :  
C/ENGG/TBCB/PRE-FAB/01

REV :  
R-0