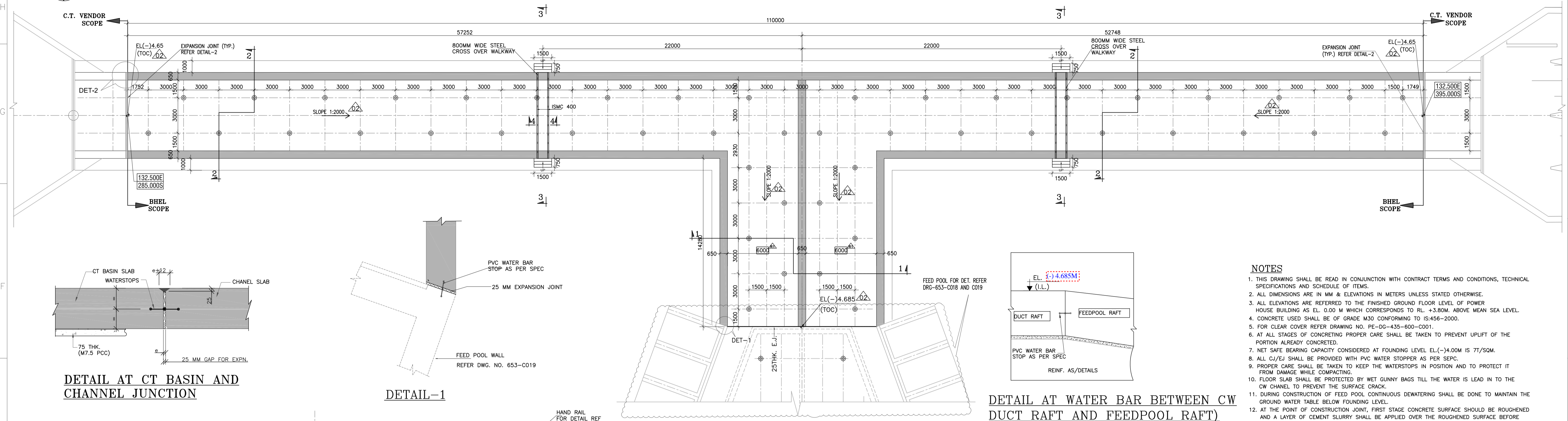
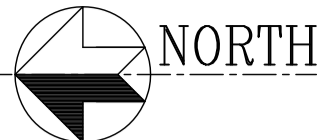


DRAWING IS FOR TENDER PURPOSE

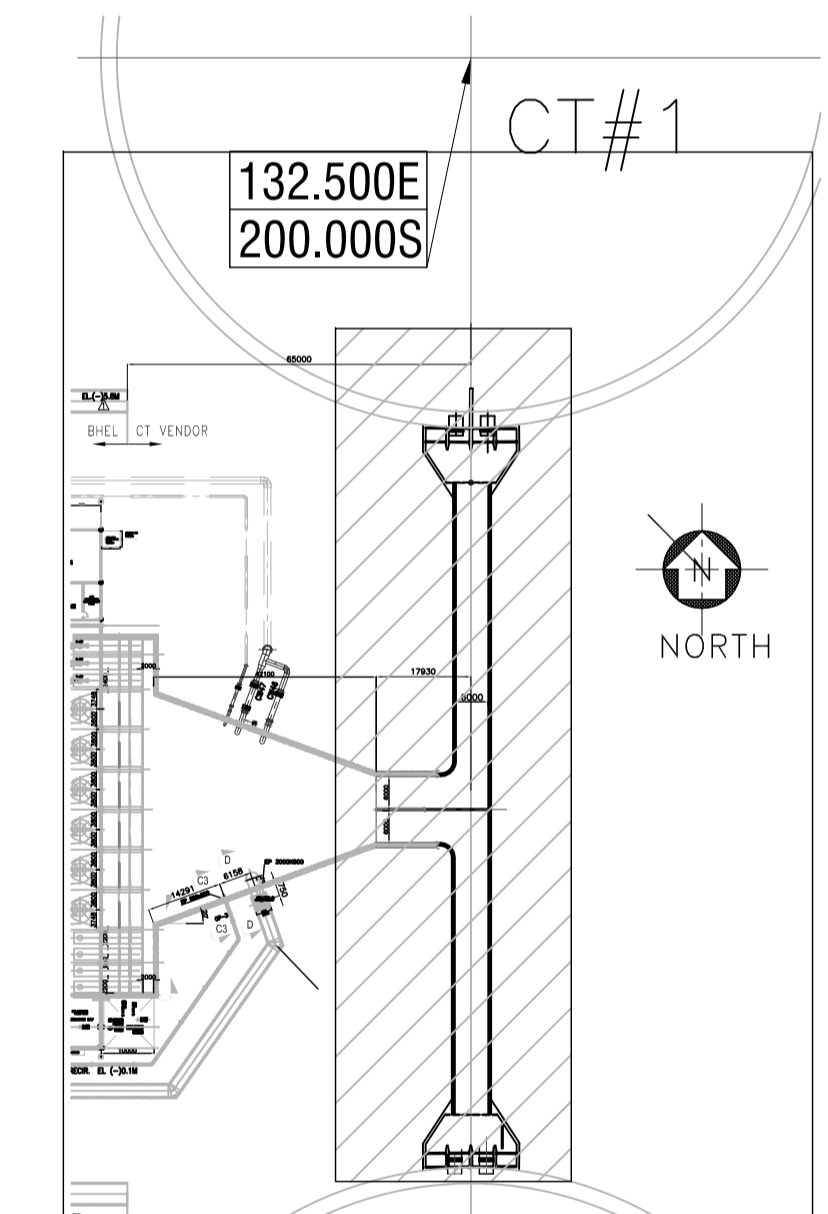
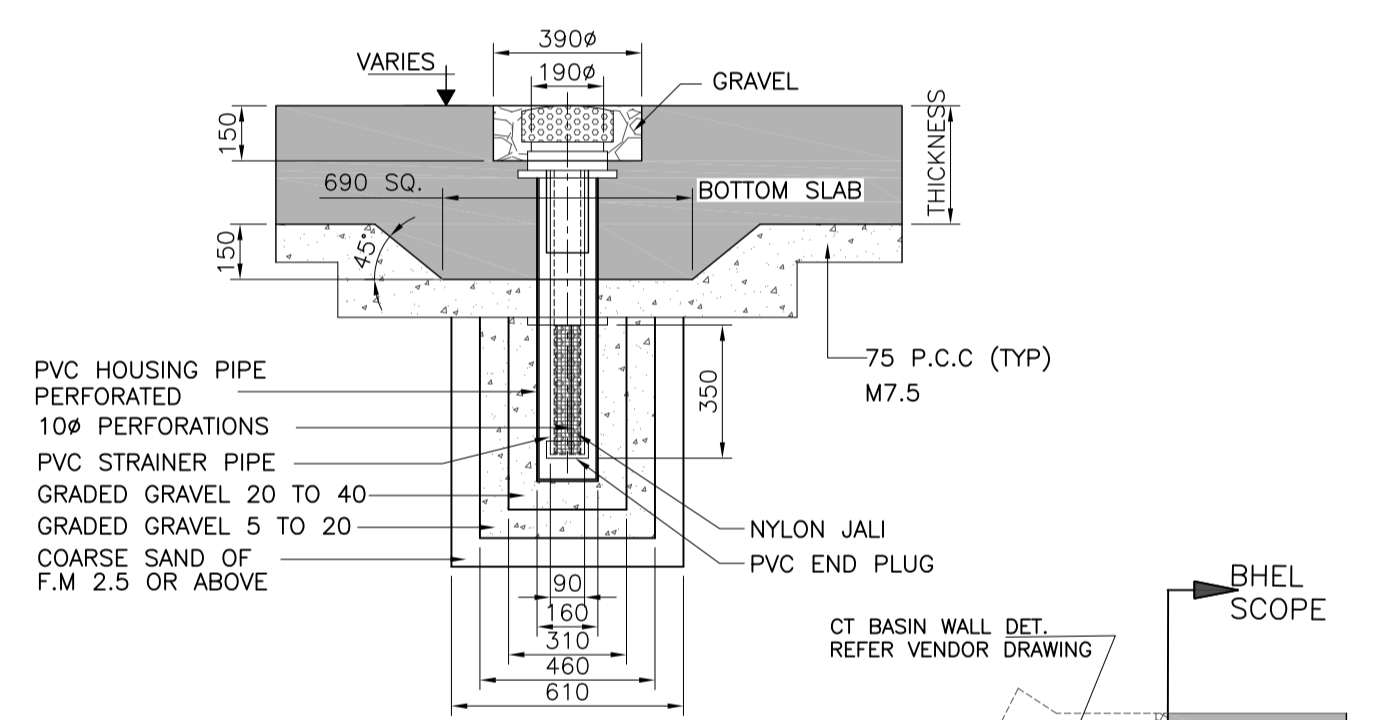
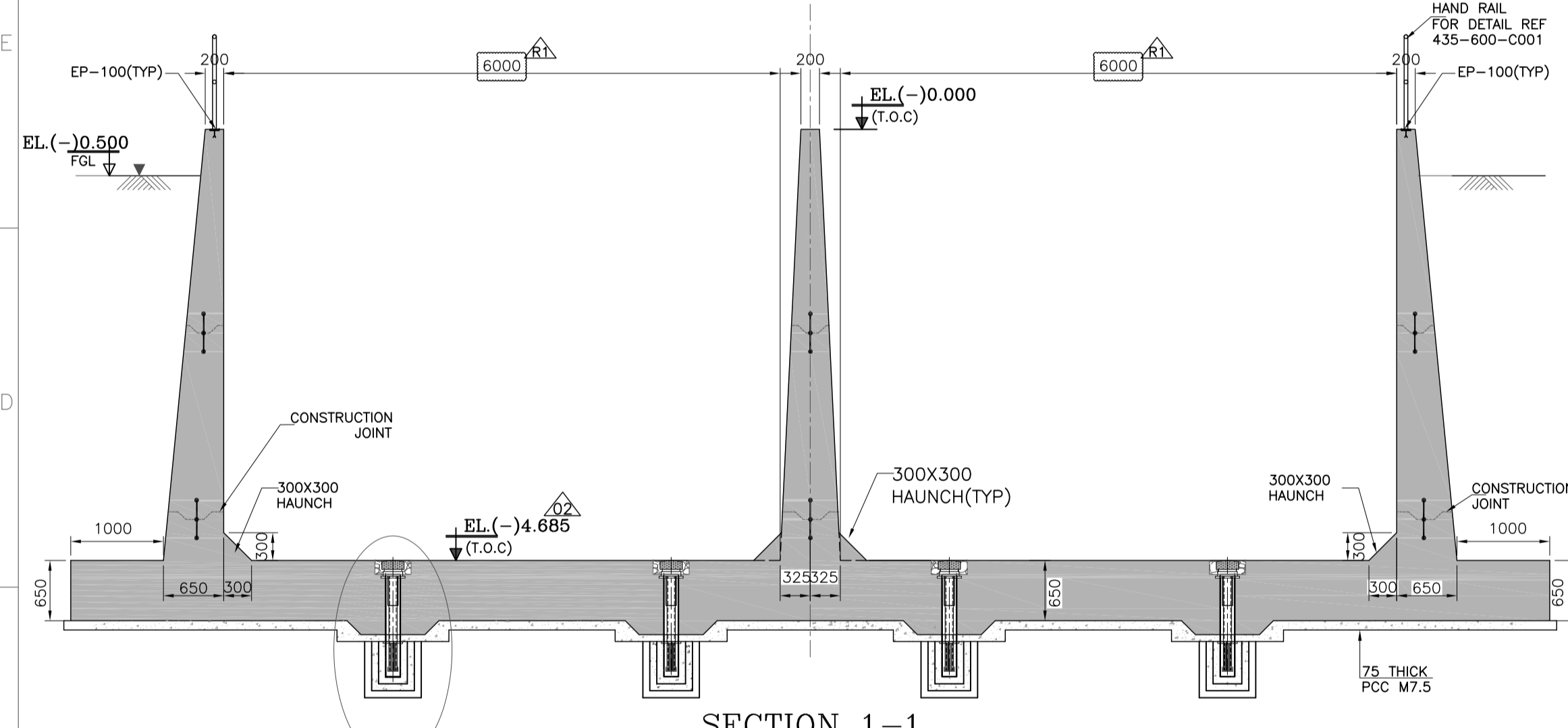


DETAIL AT CT BASIN AND CHANNEL JUNCTION

DETAIL-1

DETAIL AT WATER BAR BETWEEN CW DUCT RAFT AND FEEDPOOL RAFT

PLAN AT FOUNDING LEVEL



- NOTES**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, TECHNICAL SPECIFICATIONS AND SCHEDULE OF ITEMS.
  - ALL DIMENSIONS ARE IN MM & ELEVATIONS IN METERS UNLESS STATED OTHERWISE.
  - ALL ELEVATIONS ARE REFERRED TO THE FINISHED GROUND FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL +3.80M ABOVE MEAN SEA LEVEL.
  - CONCRETE USED SHALL BE OF GRADE M30 CONFORMING TO IS:456-2000.
  - FOR CLEAR COVER REFER DRAWING NO. PE-DG-435-600-C001.
  - AT ALL STAGES OF CONCRETING PROPER CARE SHALL BE TAKEN TO PREVENT UPLIFT OF THE PORTION ALREADY CONCRETED.
  - NET SAFE BEARING CAPACITY CONSIDERED AT FOUNDING LEVEL EL.(-)4.00M IS 71/50M.
  - ALL C/J/EJ SHALL BE PROVIDED WITH PVC WATER STOPPER AS PER SPEC.
  - PROPER CARE SHALL BE TAKEN TO KEEP THE WATERSTOPS IN POSITION AND TO PROTECT IT FROM DAMAGE WHILE COMPACTING.
  - FLOOR SLAB SHALL BE PROTECTED BY WET GUNNY BAGS TILL THE WATER IS LEAD IN TO THE CW CHANNEL TO PREVENT THE SURFACE CRACK.
  - DURING CONSTRUCTION OF FEED POOL CONTINUOUS DEWATERING SHALL BE DONE TO MAINTAIN THE GROUND WATER TABLE BELOW FOUNDING LEVEL.
  - AT THE POINT OF CONSTRUCTION JOINT, FIRST STAGE CONCRETE SURFACE SHOULD BE ROUGHENED AND A LAYER OF CEMENT SLURRY SHALL BE APPLIED OVER THE ROUGHENED SURFACE BEFORE APPLICATION OF SECOND STAGE CONCRETING.
  - ALL CONCRETE SURFACE IN CONTACT WITH SOIL SHALL BE PROVIDED WITH BITUMINOUS PAINTING AS PER SPEC.
  - ALL REINFORCEMENT SHALL BE CORROSION RESISTANT Fe-500 GRADE CONFORMING TO IS:1786.

- IMPORTANT**
- THE ROUGH EXCAVATION MAY BE CARRIED UP TO A MAXIMUM DEPTH OF 300 MM ABOVE THE FINAL FOUNDATION LEVEL. THE BALANCE SHALL BE EXCAVATED WITH SPECIAL CARE AND LEAN CONCRETE SHALL BE PLACED IMMEDIATELY AFTER FINAL EXCAVATION LEVEL IS REACHED.
  - EXCAVATION WORK SHALL START FROM NGL AFTER COMPLETION OF FOUNDATION WORK, BACK FILLING SHALL BE DONE UP TO FFL (RL+3.3M).
  - THE FOUNDING STRATUM SHOULD BE WEATHERED ROCK. IN CASE ANY LOOSE MATERIAL IS ENCOUNTERED AT THE FOUNDING DEPTH, THE SAME SHOULD BE COMPLETELY REMOVED UP TO THE ROCK LEVEL AND FILLED BACK WITH PCC (M-7.5) UP TO THE DESIRED FOUNDING LEVEL.
  - MATERIAL TO BE USED FOR BACKFILLING SHALL BE NON-EXPANSIVE, FREE FROM VEGETATION, ROOTS, SALTS, RUBBISH, LUMPS, ORGANIC MATTERS & ANY OTHER HARMFUL CHEMICALS ETC AND SHALL BE GOT APPROVED BY THE ENGINEER-IN-CHARGE.
  - BACKFILLING OF FOUNDATION SHALL BE DONE IN HORIZONTAL LAYERS NOT EXCEEDING 250 MM IN LOOSE THICKNESS AND COMPACTING WITH PROPER MOISTURE CONTENT SO AS TO ACHIEVE AT LEAST 98 % MAXIMUM DRY DENSITY AS PER IS:2720, PART-VII.
  - ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % SHALL BE DESIRABLE TO BE USED IN CONCRETE (AS PER APPROVED GEO TECH REPORT)

- ENGINEERING DRGS.**
- PE-DG-435-100-M001 - PLOT PLAN
  - PE-DG-435-165-N004 - MECHANICAL GA OF CW PUMP HOUSE
  - PE-DG-435-653-C018 - GA DETAIL OF FEEDPOOL
  - PE-DG-435-653-C019 - RC DETAIL OF FEEDPOOL
  - PE-DG-435-651-C007 - RC DETAILS OF CHANNEL FROM COOLING TOWER TO FEED POOL
  - PE-DG-435-653-C005 - GA OF SUMP
  - PE-DG-435-165-M002 - CW PIPING LAYOUT OUT SIDE TG BUILDING

- LEGEND**
- |             |                 |           |                    |
|-------------|-----------------|-----------|--------------------|
| 1. (T.O.C.) | TOP OF CONCRETE | 3. (C.J.) | CONSTRUCTION JOINT |
| 2. (TYP)    | TYPICAL         | 4. (E.J.) | EXPANSION JOINT    |

TOTAL QUANTITY OF CONCRETE : 1950 Cum. (APPROX)  
 TOTAL QUANTITY OF REINFORCEMENT : 160 MT (APPROX)

DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING PE-DG-435-653-C007

**CUSTOMER**  
 TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED,  
 TANGEDCO HEAD QUARTERS, 1ST FLOOR, NEW EB QTRS.,  
 144,ANNASALAI, CHENNAI 600002.

**CONSULTANT NAME**  
**TATA CONSULTING ENGINEERS LIMITED BENGALURU**

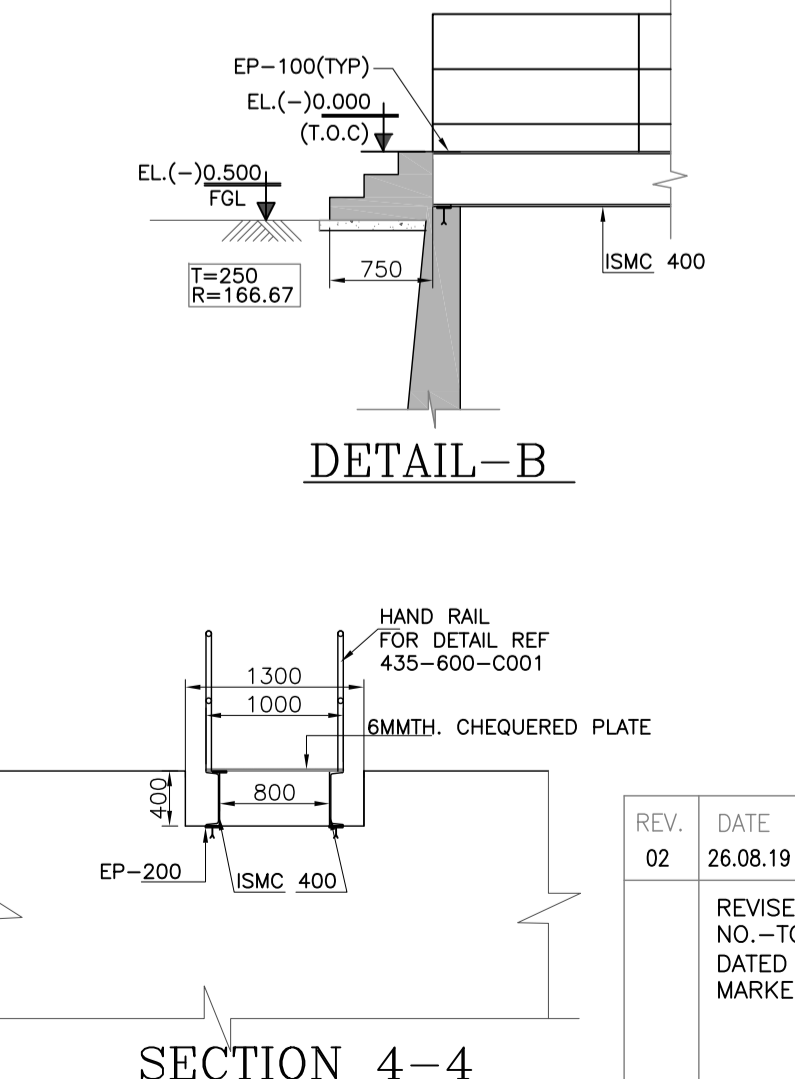
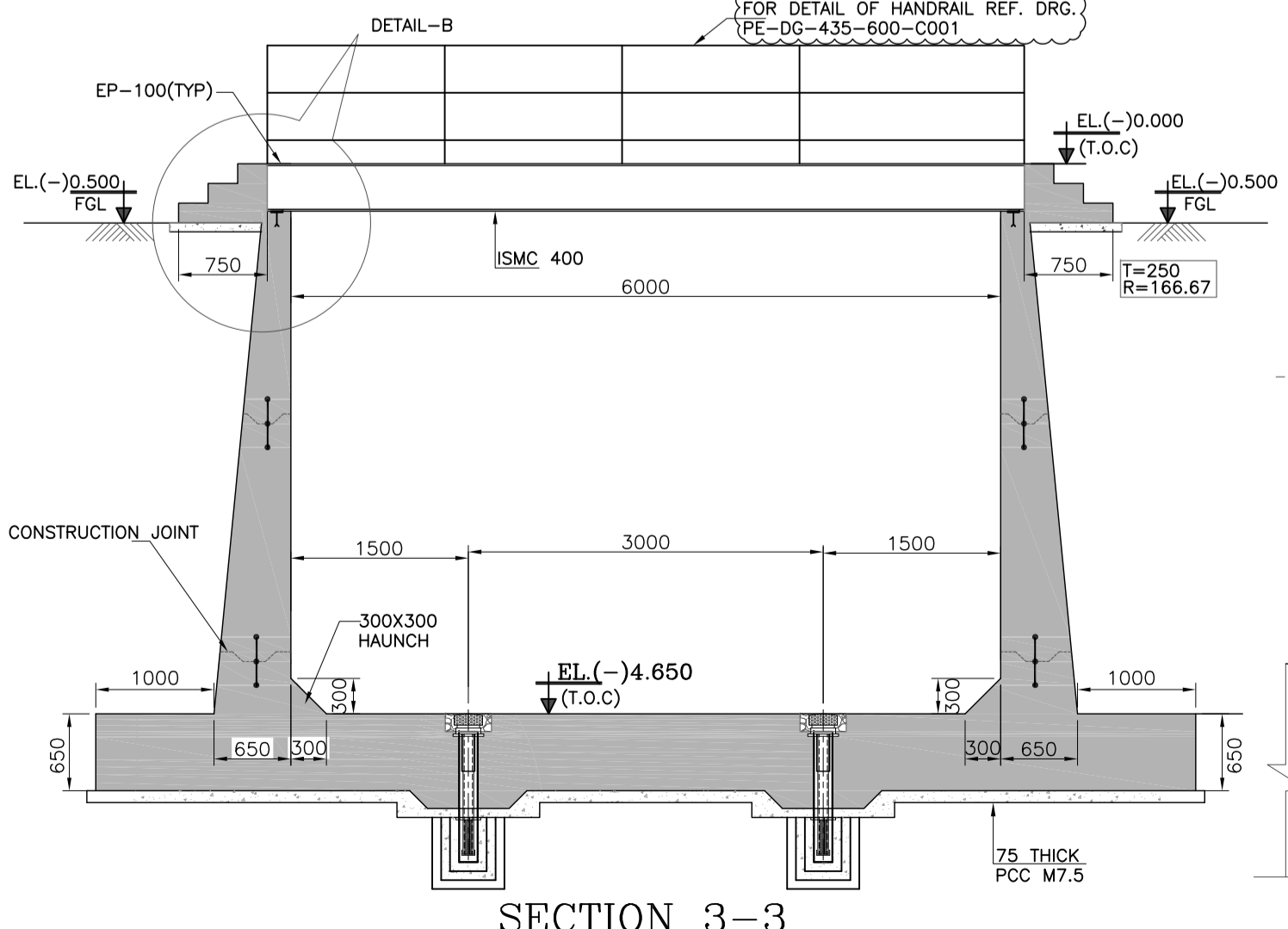
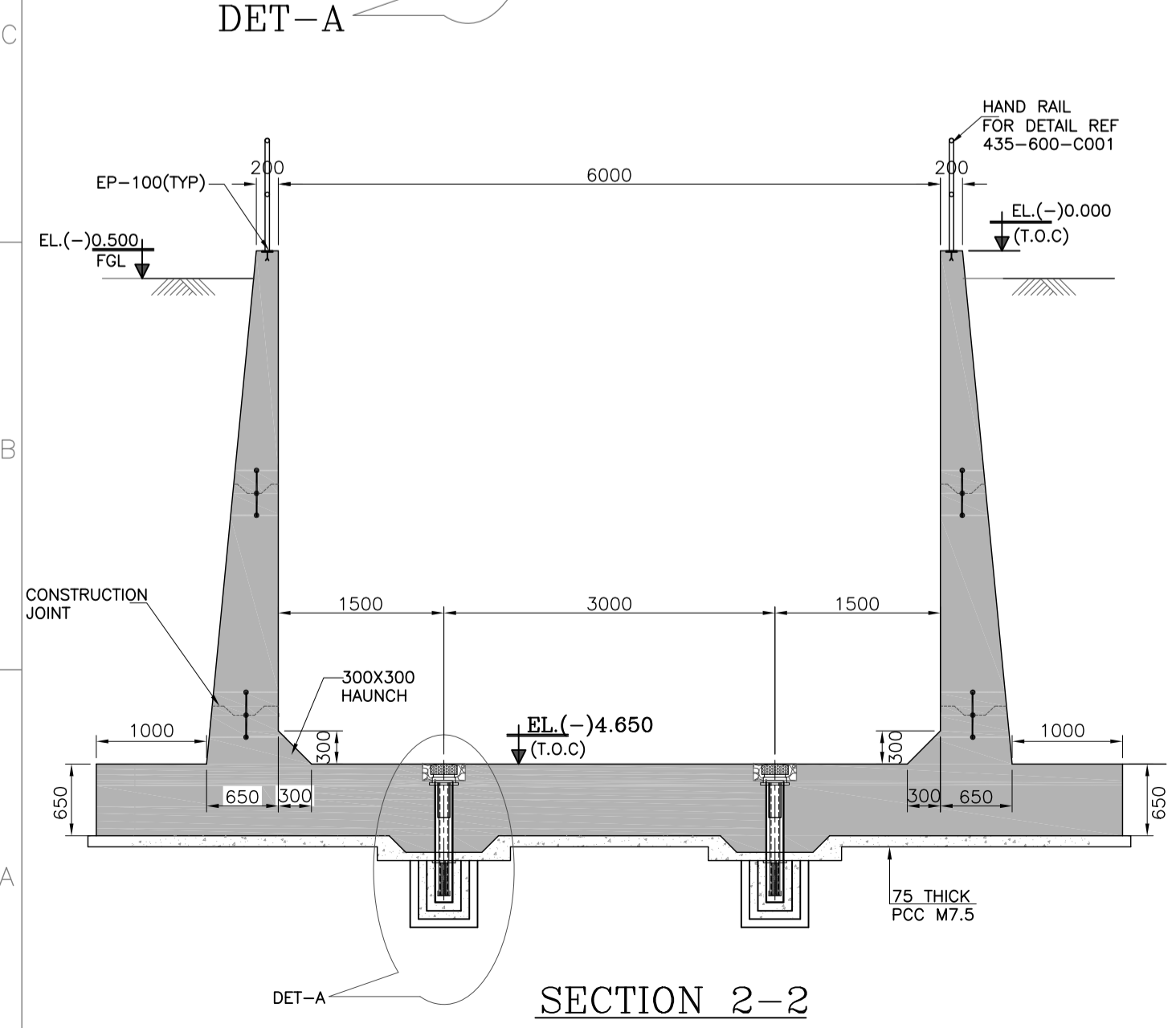
**PROJECT NAME**  
 2 X 660 MW UDANGUDI STPP STAGE - I

**DEPT CODE**  
 BHARAT HEAVY ELECTRICALS LTD  
 POWER SECTOR  
 PROJECT ENGINEERING MANAGEMENT  
 NOIDA

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD
02	26.08.19	SS	DKM	AKS	01	19.06.19	PV	DKM	AKS

**CW CHANNEL LAYOUT OF CHANNEL FROM COOLING TOWER TO FEED POOL**

DEPT. SCALE 1:100  
 SIGN DRAWING NO. PE-DG-435-651-C006  
 SHEET 1 OF 1 REV. 02



REVISED AS PER TRANSMITTAL NO.-TCE.11403A-CV-VDT-051 DATED 19/07/2019 REVISION MARKED AS 02  
 REVISED AS PER TRANSMITTAL NO.-TCE.11403A-CV-VDT-035 DATED 01/05/2019 REVISION MARKED AS 01

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Fold-4

Fold-3

SIZE-A0