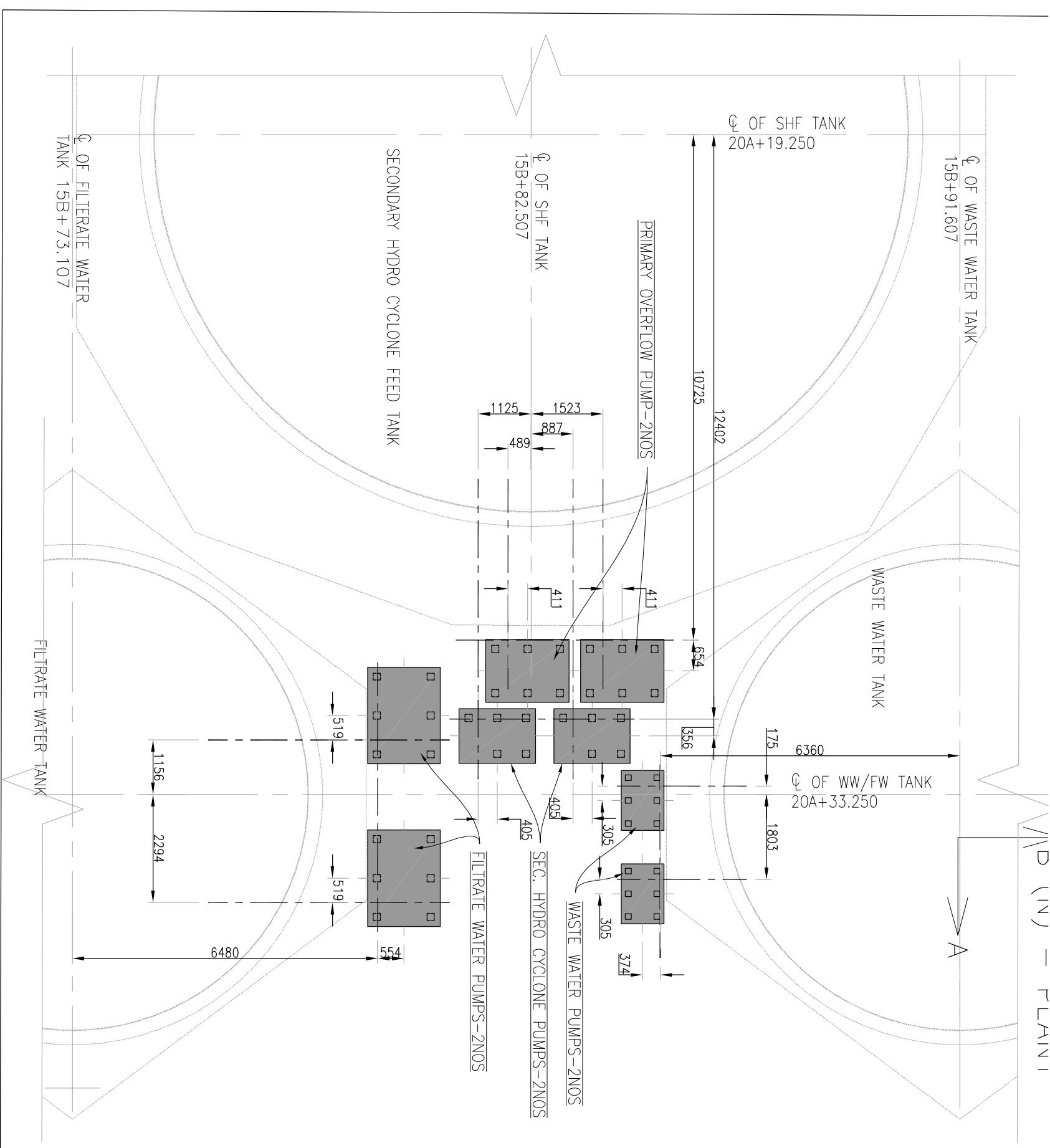
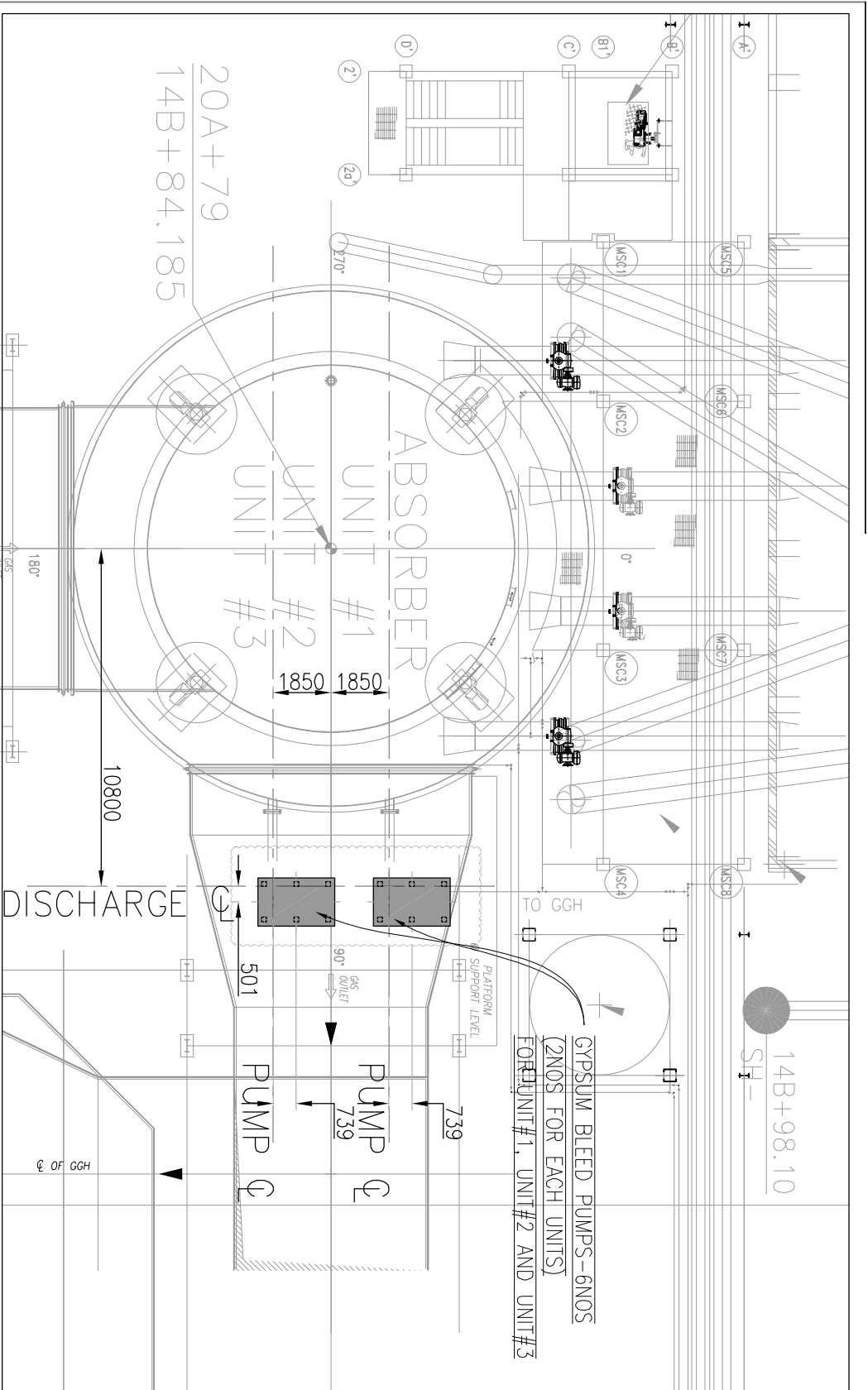
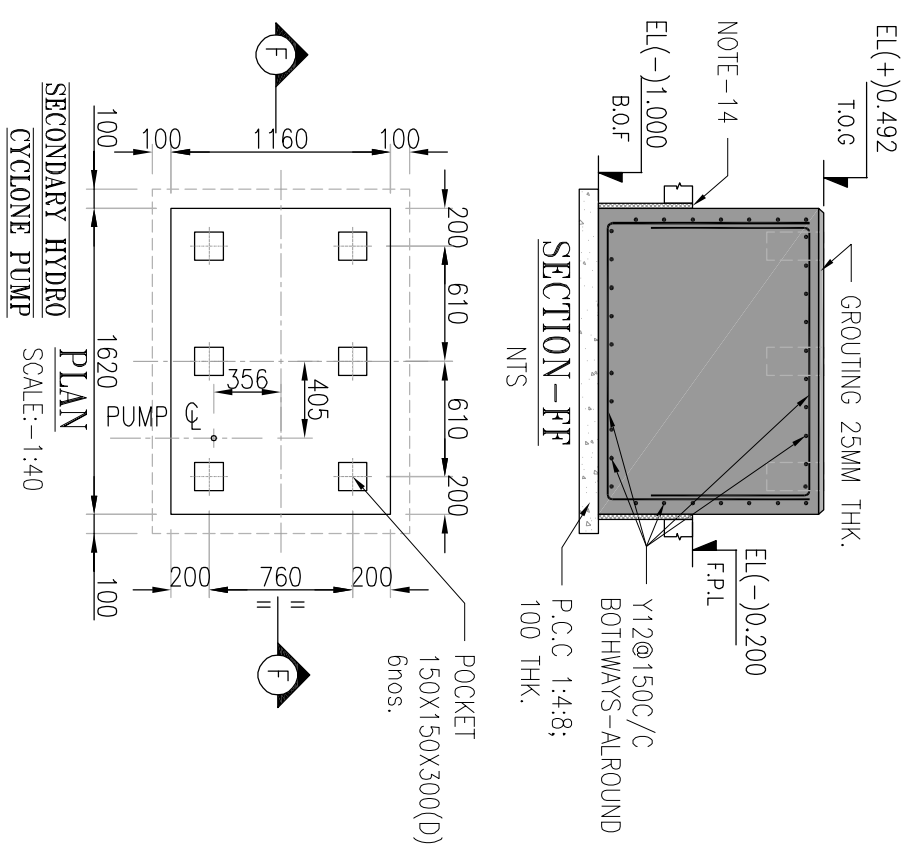
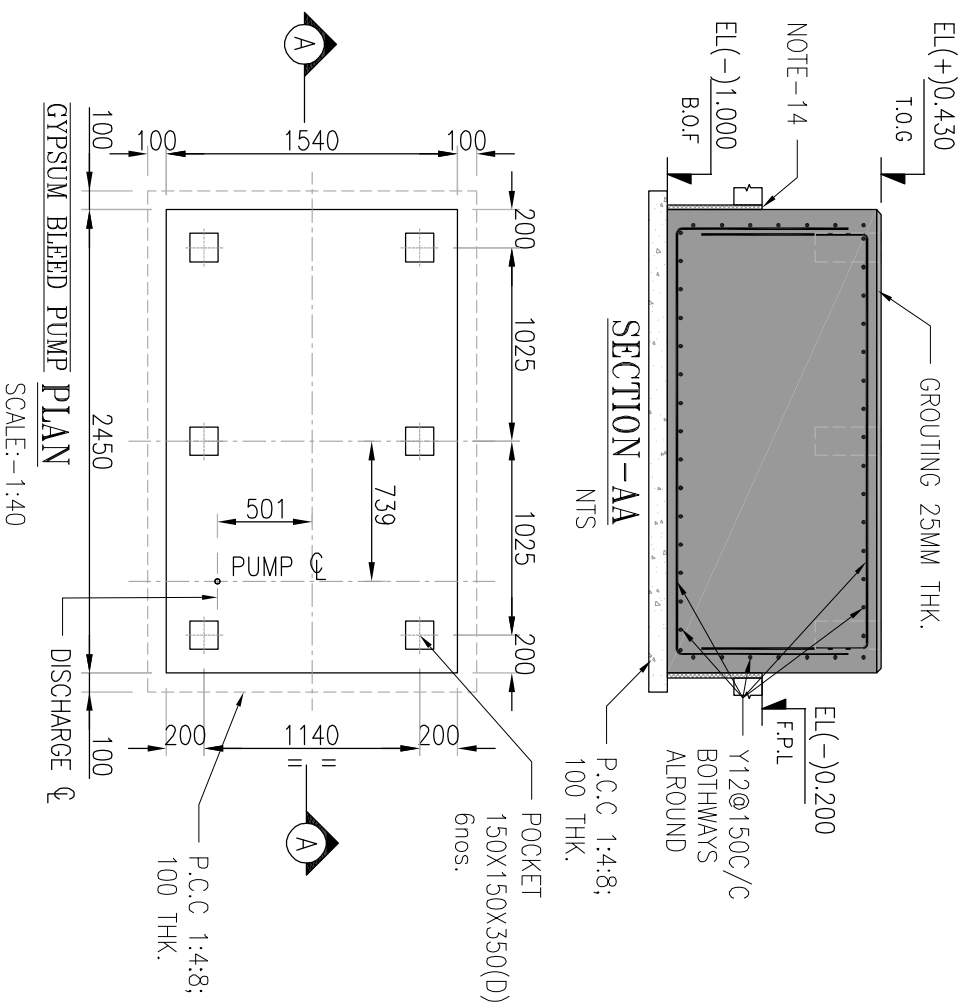


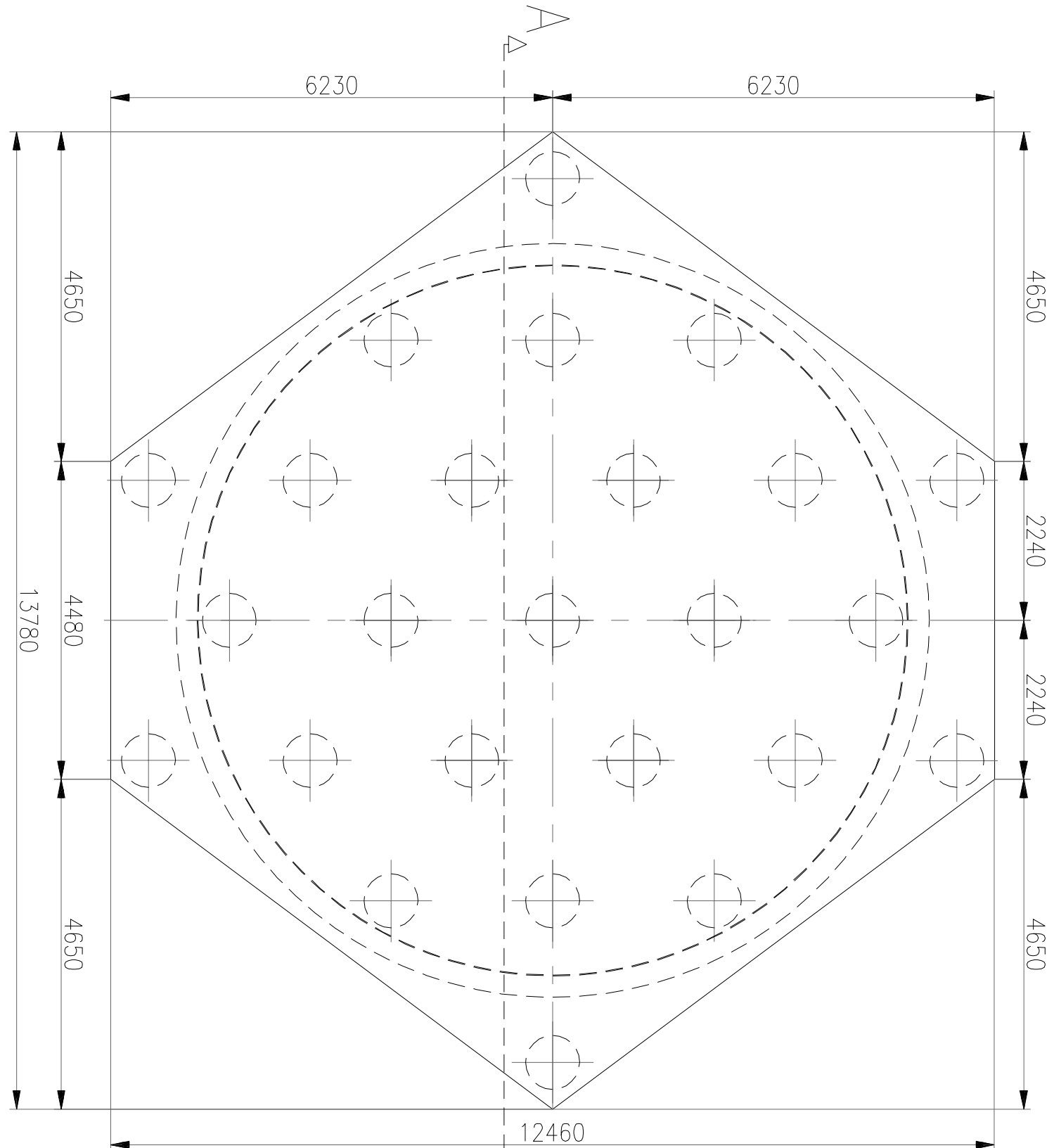
sample drawing for pump foundations



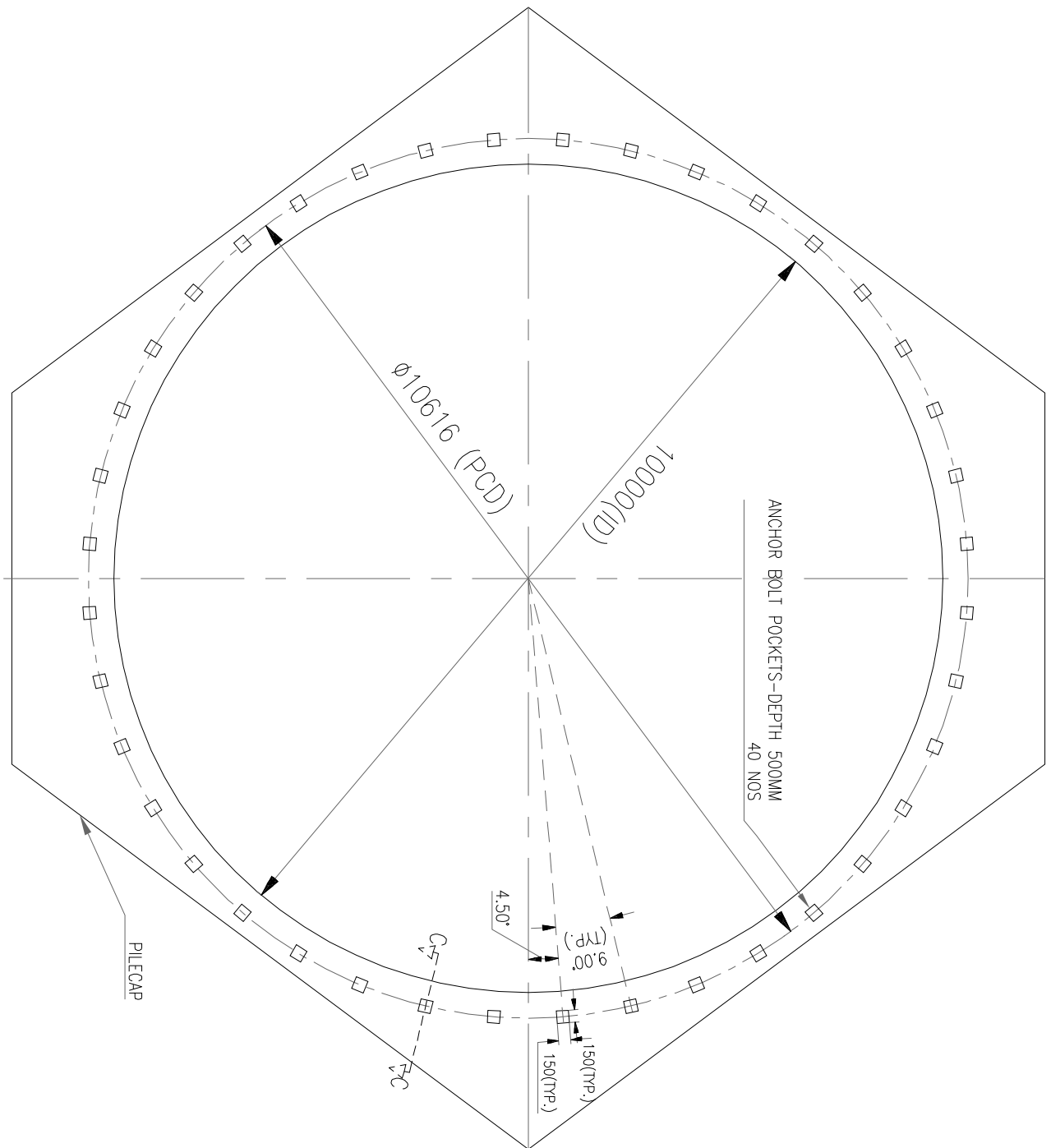
TENDER NO - PSER:SCT:SAL-C2066:20



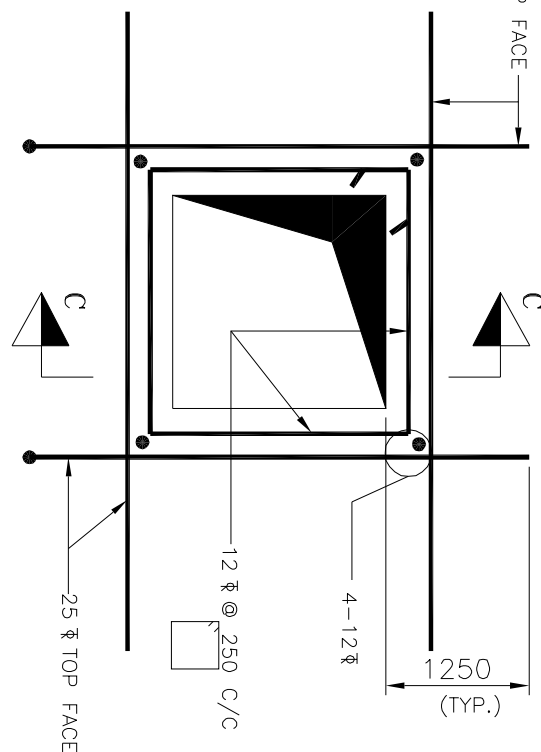
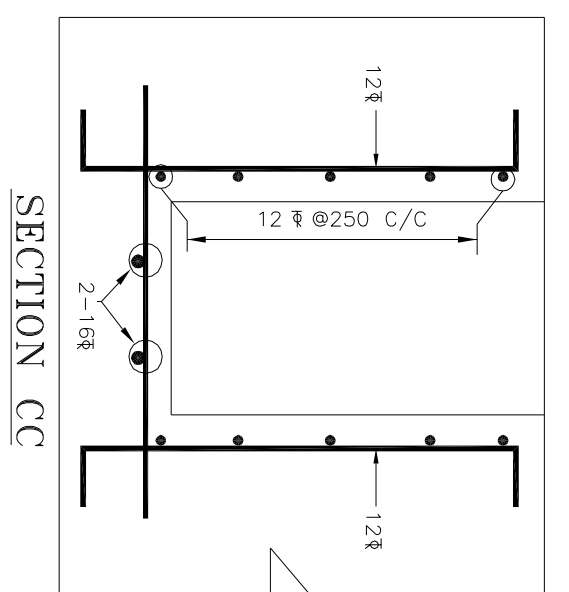
TENDER PURPOSE ONLY



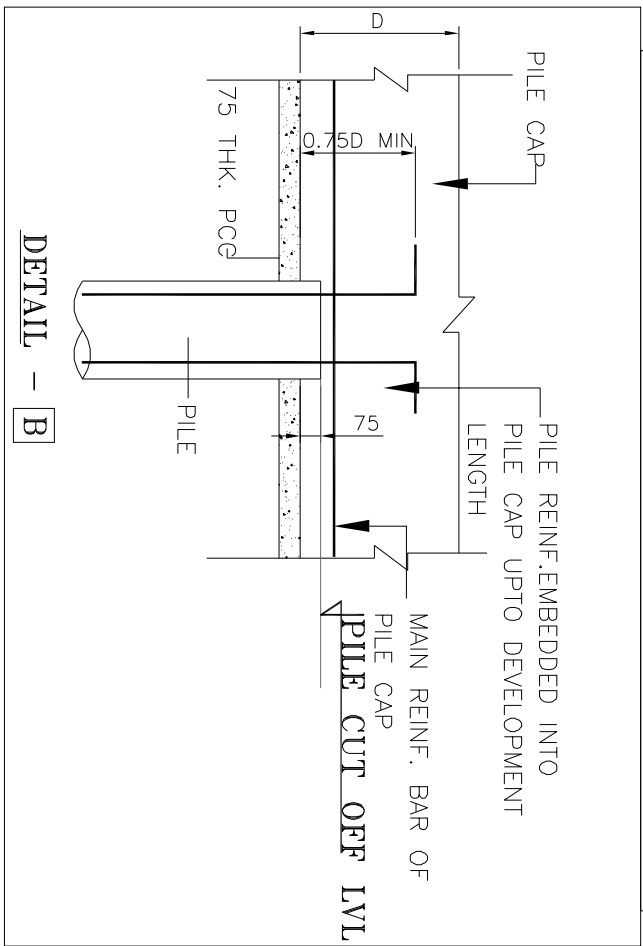
PLAN
(PILECAP FOR FILTRATE WATER TANK)
(SCALE 1:75)



VIEW BB
(SCALE 1:75)

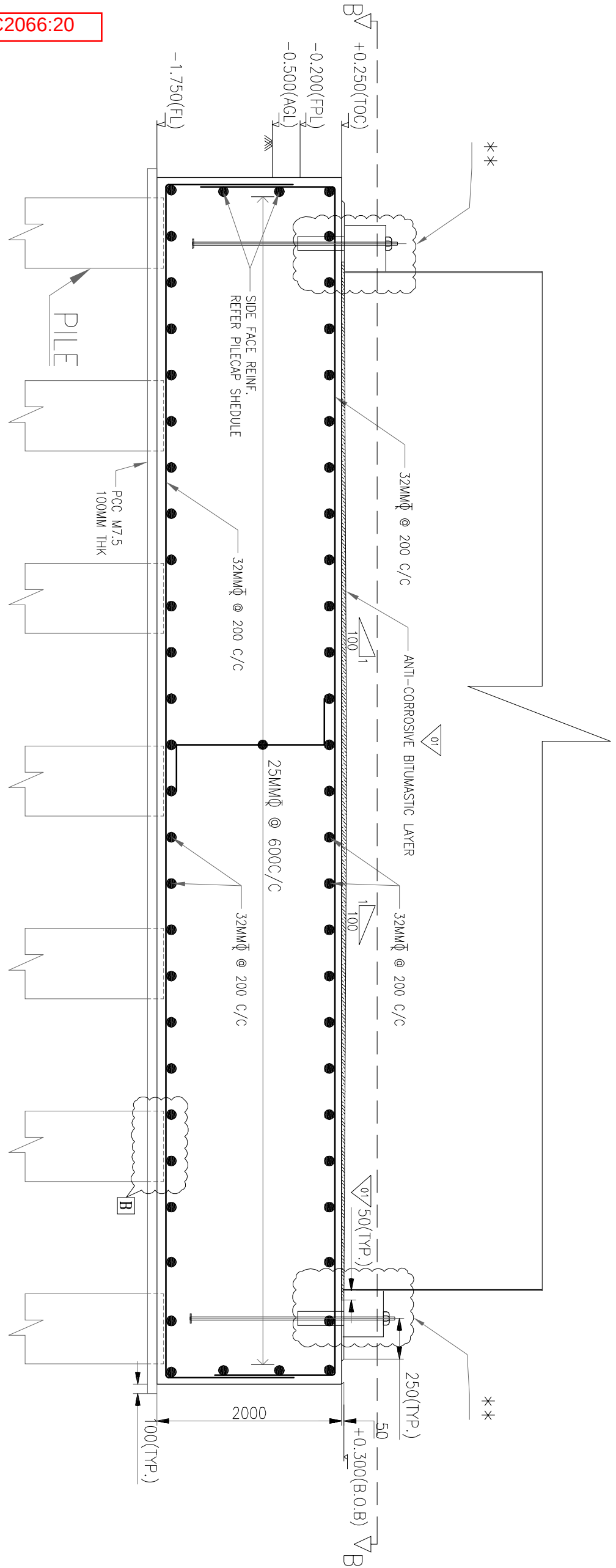


TYP. DETAIL OF EXTRA R/F
AROUND POCKETS(150 SQ)



DETAIL - B

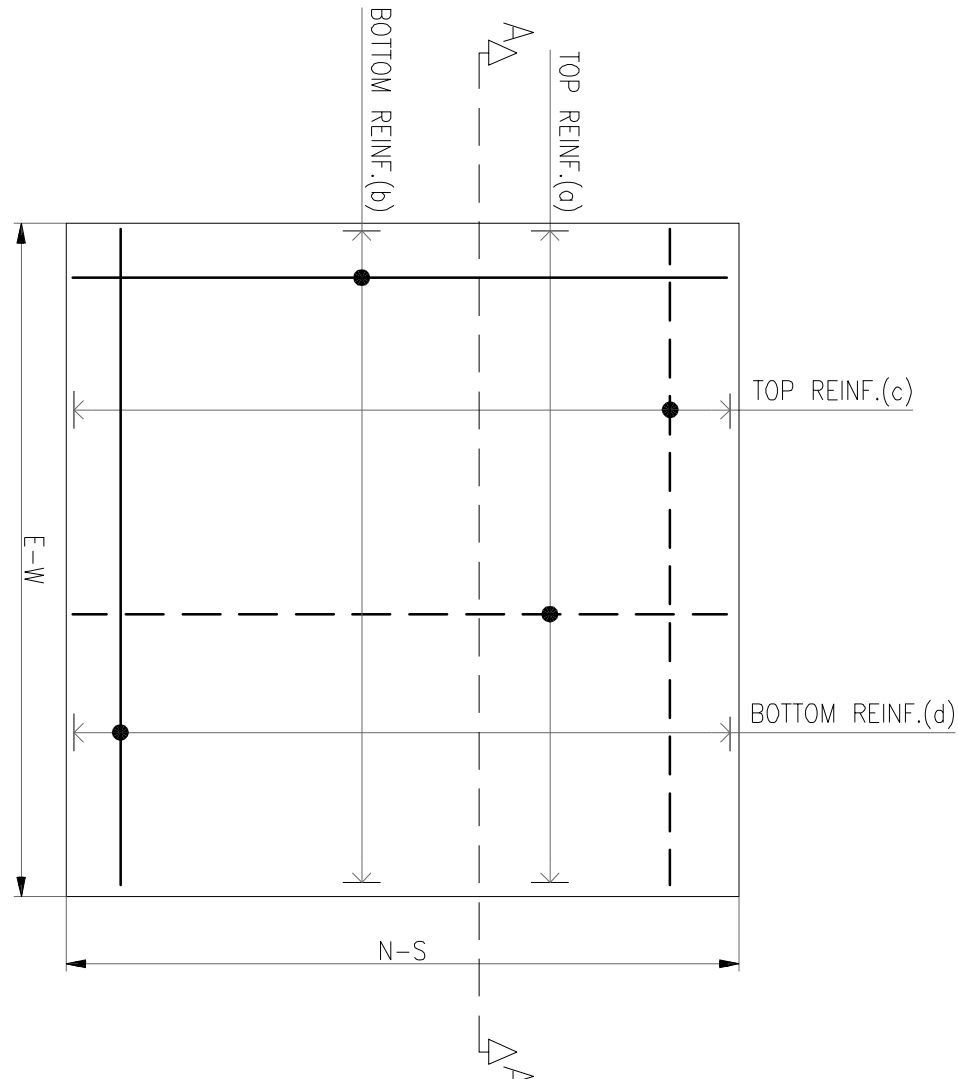
TYPE OF PILE CAP	NO OF PILE CAPS	OVERALL SIZE OF PILE CAP (MM) ALONG		DEPTH (D) (MM)	PILE CAP BOTTOM (M) (E.L.)	REINFORCEMENT				SHEAR REINF. SINGLE LEGGED		SIDE FACE REINF	REMARKS	
		N-S	E-W			ALONG N-S DIRECTION		ALONG E-W DIRECTION		N-S	E-W			
						TOP (a)	BOTTOM (b)	TOP (c)	BOTTOM (d)					
FW TANK	1	AS SHOWN IN DRAWING			2000	(-)-1.75	32ϕ @200 C/C	32ϕ @200 C/C	32ϕ @200C/C	32 ϕ @200 C/C	25ϕ @600 C/C	25ϕ @600 C/C	16 ϕ SIDE FACE FOR BOLT & POCKET DETAILS REFER DWG NO. 4610-101-03RP-PVC-B-012-R02	EQTS EMBEDDED IN THE PILINGS NO. PROVIDING BEAR PROVIDED FOR BOLT & POCKET DETAILS



SECTION AA

** - FOR BOLTS DETAILS REFER NOTE-12

TYPICAL PLAN OF PILE CAP



LEGENDS:

- B.O.B - BOTTOM OF BASE PLATE
- T.O.C - TOP OF CONCRETE
- F.P.L - FINISHED PAVING/FLOORING LEVEL
- F.L - FOUNDING LEVEL OF PILECAP
- A.G.L - AVERAGE GROUND LEVEL
- ID - INTERNAL DIAMETER OF TANK
- PCD - PITCH CIRCLE DIAMETER FOR BOLTS

QUANTITIES:
M25 CEMENT CONCRETE = 228 CUM
Fe500 REINF. STEEL = 17.0 MT

sample drg for tank
pile and pile cap

TENDER PURPOSE
ONLY

- REFERENCE DRAWINGS:
- ENG. REFERENCE DWGS:
 - 1. 4610-101-03RP-PW-F-018/R07 - KEY PLAN OF WET LIME STONE FGD SYSTEM
 - 2. 4610-101-03RP-PVC-B-012/R02 - FOUNDATION LOADING OF FILTRATE WATER TANK
 - CONSTRUCTION REFERENCE DWGS:
 - 1. 4610-101-03RP-PVC-B-030/R00 - FILTRATE WATER TANK FOUNDATION-LAYOUT OF PILES
 - 2. 4610-315-PVC-C-101/R01 - DETAILS OF TEST PILES & JOB PILES.
 - 3. 4610-315-PVC-C-0052 - GENERAL NOTES ON CONCRETE WORKS
- SPECIAL NOTES:-
- ALL PILING & FOUNDATION WORKS RELATED TO FGD SHALL BE EXECUTED UNDER MAINTENANCE & OFFSITE CIVIL WORKS PACKAGE AS PER SCOPE OF WORK, PART-A OF TECHNICAL SPECIFICATION.
- NOTES:-
- ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
 - EL(±)0.00M CORRESPONDS TO RL (+) 50.92M.
 - THE PILECAP FOUNDING LEVEL SHALL BE EL(-)1.75M.
 - GRADE OF CONCRETE SHALL BE M-25 CONFORMING TO IS:456
 - THE GRADE OF REINFORCEMENT STEEL SHALL BE Fe 500 /TMT CONFORMING TO IS:1786.
 - LAP AND ANCHORAGE SHALL BE 50 TIMES THE DIA OF BAR.
 - FOR GENERAL NOTES ON CONCRETE WORKS REFER DWG. NO.4610-315-PVC-C-0052
 - PILING WORK SHALL BE EXECUTED AS PER ITEM NO. 80 & 81 OF SCHEDULE OF ITEMS.
 - CONTRACTOR HAS TO FURNISH THE QUANTITIES FOR THE VARIOUS ITEMS OF WORK COVERED IN THIS DRG. ALONGWITH BACK UP CALCULATIONS (REFER CL:14.01.02(d) OF PART-A OF TECH SPECS).
 - MINIMUM CLEAR COVER TO THE MAIN REINF. OF PILECAP SHALL BE AS FOLLOWS
 - TOP - 50MM; BOTTOM - 100MM; SIDES - 50MM
 - ALL PILES SHALL PROJECT 75MM INSIDE THE PILECAP
 - ALL BOLTS SHALL BE EMBEDDED INTO THE PILECAP AND THE SAME SHALL BE CHECKED & APPROVED BY BHFL BEFORE CONCRETING

13. THIS DRAWING SHALL STRICTLY BE READ IN CONJUNCTION WITH
DWG NO. 4610-101-03RP-PVC-B-012-R02 & 4610-101-03RP-PVC-B-030-R00

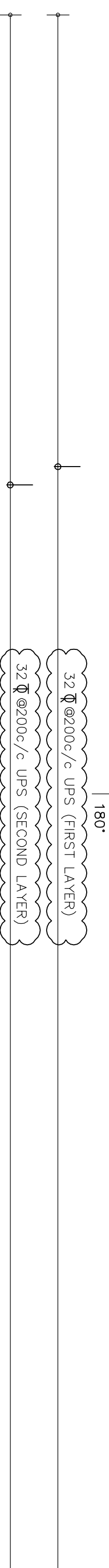
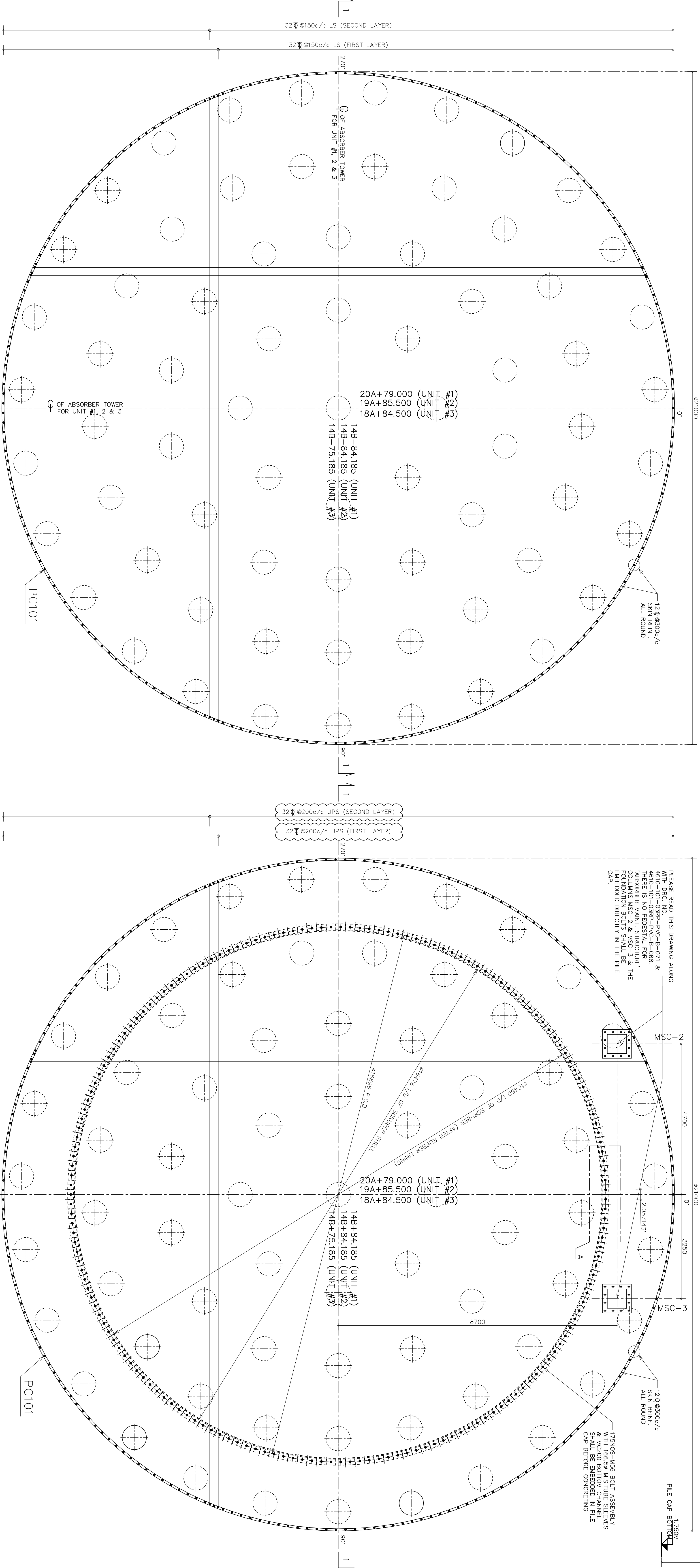
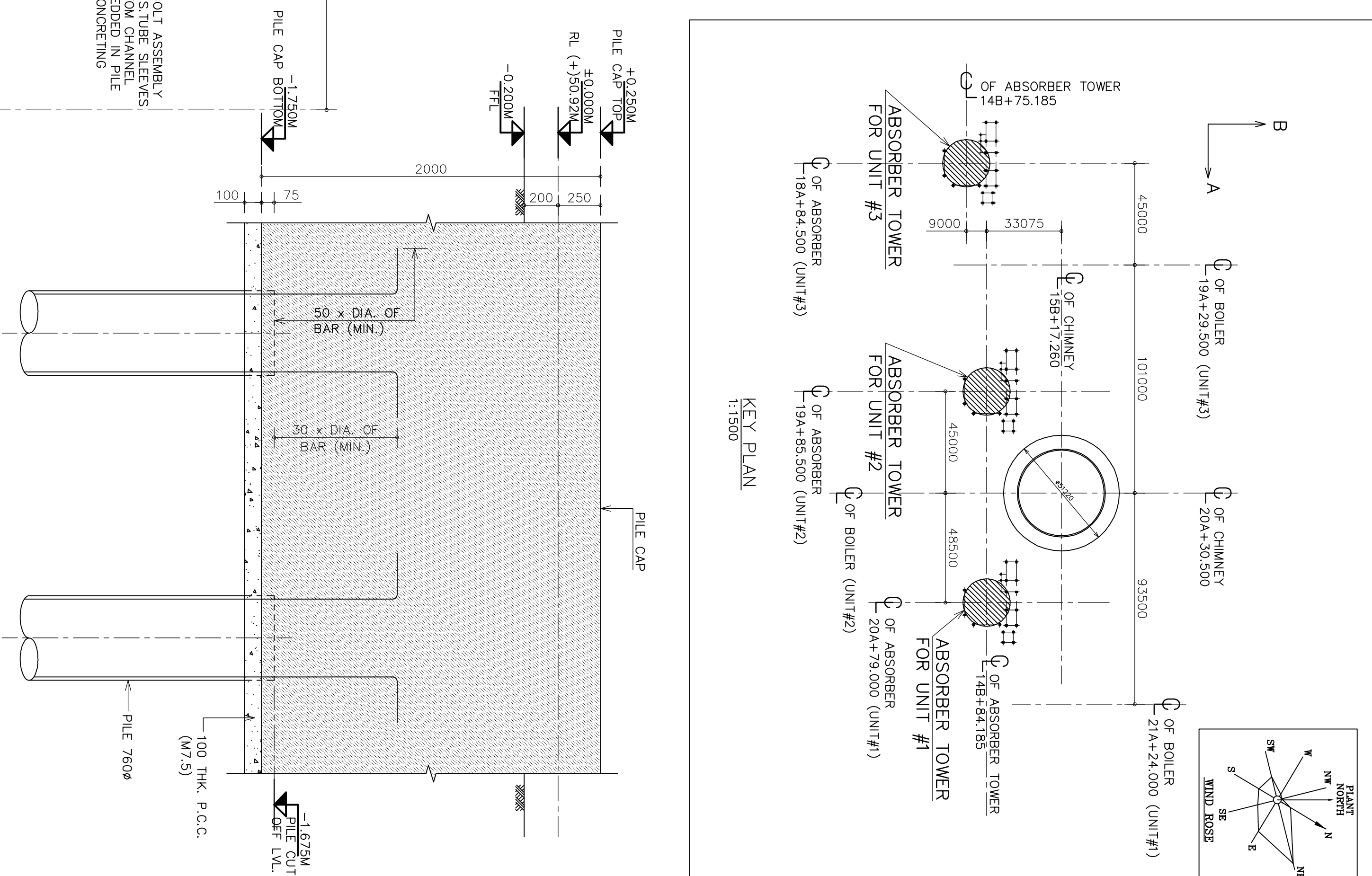
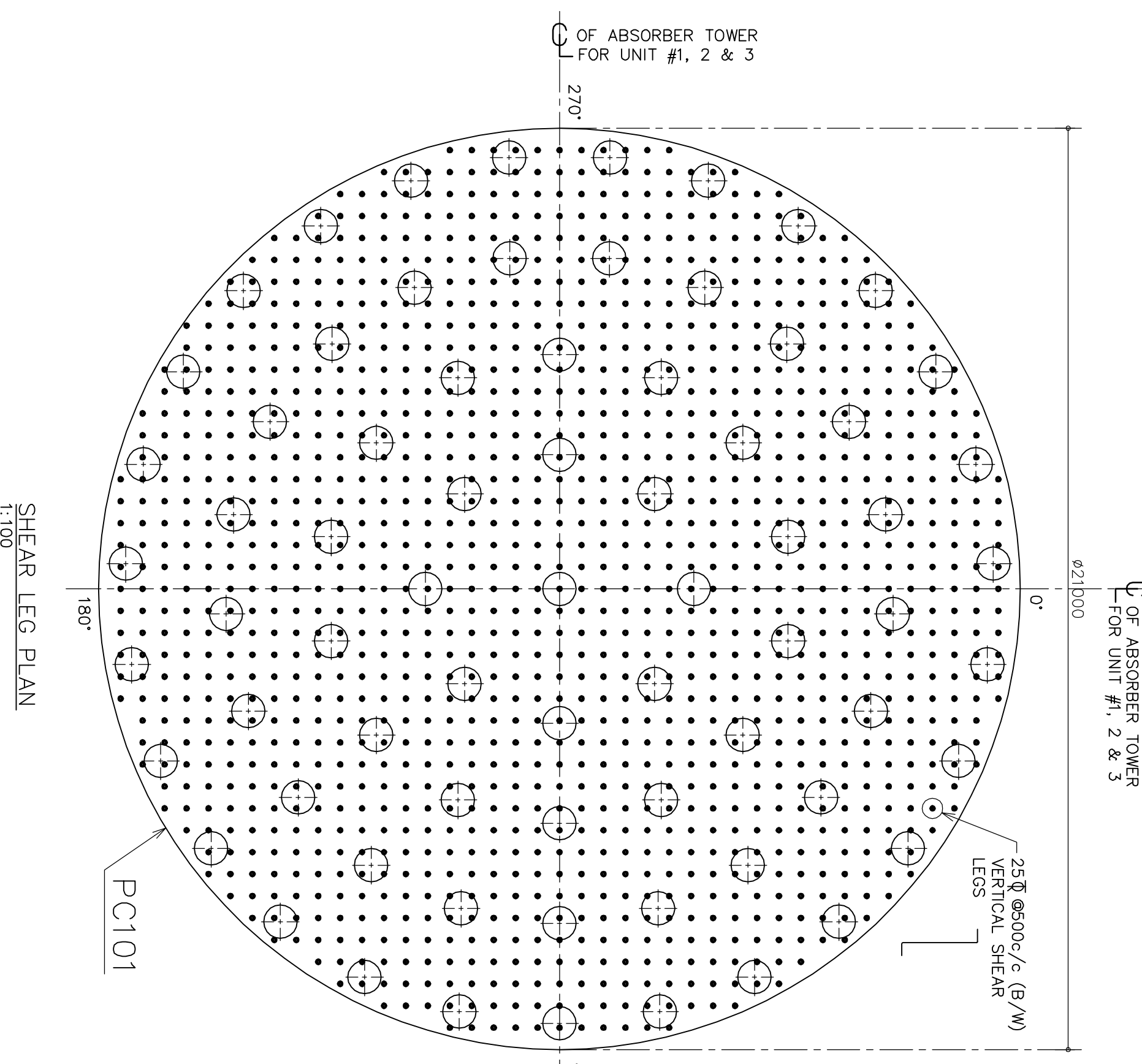
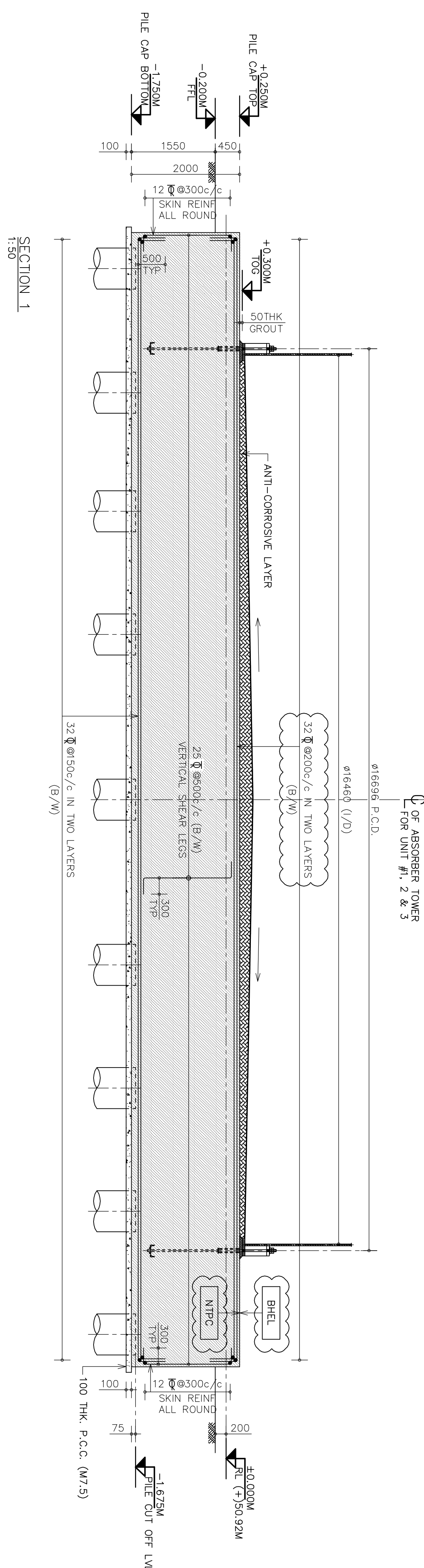
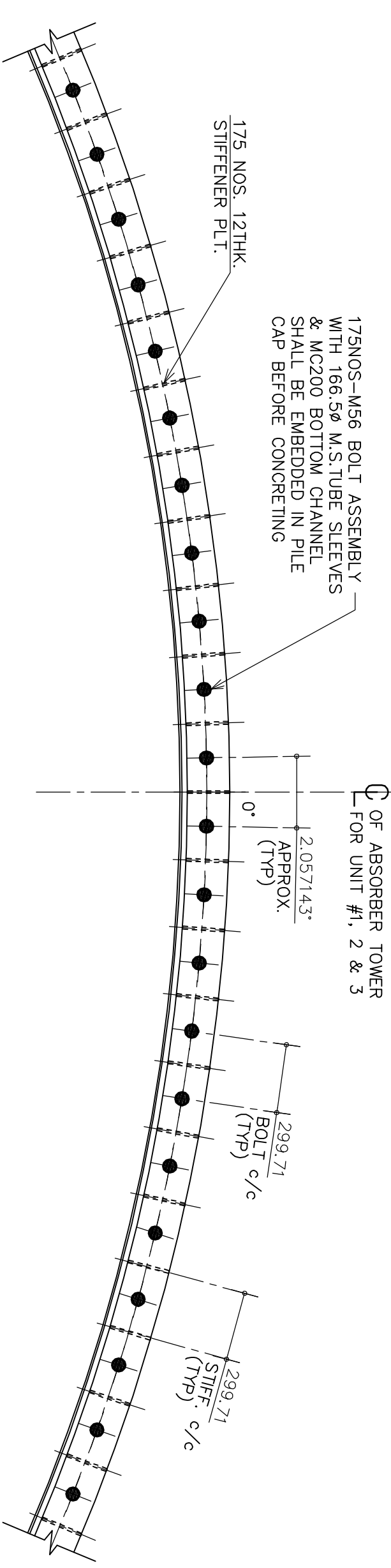
- EXCAVATION
 - (i) ALL EXCAVATION WORK & BACK FILLING SHALL BE DONE AS PER ITEM NO. 1 OF BOQ
 - (ii) EXCAVATION MATERIALS REQUIRED FOR BACK FILLING SHALL BE CARRIED UP TO A LEA OF 1KM AND STOCKED AS PER INSTRUCTIONS OF ENGINEER
 - (iii) SURPLUS EXCAVATED EARTH SHALL BE DISPOSED OFF WITHIN THE PLANT BOUNDARY AS DIRECTED BY THE ENGINEER
- PILECAP SHALL BE CAST AFTER SUCCESSFUL COMPLETION OF INTEGRITY TESTS & ROUTINE PILELOAD TESTS ON PILES, AS PER SPECIFICATION

BULK BILL OF QUANTITY
(Amounts set to United States)

(ROUNDED OFF TO HIGHER VALUES)

NOS.	ITEM	UNIT	QUANTITY
1.	CONCRETE M25	CUM	691.92
2.	P.C.C. (1:4:8)	CUM	34.969
REINFORCEMENT			
3.	12 Φ	MT	1.21
4.	25 Φ	MT	0.68
5.	32 Φ	MT	101.87

- QUANTITY FOR ABSORBER FOUNDATION 1 ONLY. SAME QUANTITY CAN BE USED FOR ABSORBER FOUNDATION 2 & 3
- REBAR QUANTITIES ARE WITHOUT LAPS & WASTAGES AND ARE APPROXIMATE FOR BULK PROCUREMENT ONLY.

[illegible]

SECTION NOTE:-

- ALL CONSTRUCTION WORKS RELATED TO GEO SYSTEMS SHALL BE EXECUTED UNDER MAINT, ON & OFFSITE CIVIL WORKS PACKAGE AS PER SCOPE OF WORK, PART-A OF TECHNICAL SPECIFICATION.
- ALL TEMPORAL POINTS OF CIVIL WORKS OF FOD SYSTEM SHALL BE INDICATED IN TENDER DWG. NO. 410-10-1-POC-A-002.

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ARE IN METERS
2. ALL DIMENSIONS SHOULD NOT BE SCALED OFF, ONLY WRITTEN DIMENSIONS
3. DISCREPANCY IN DRAWING, IF ANY, SHALL BE BROUGHT TO THE NOTICE OF THE SITE ENGINEERS/CONSULTING ENGINEERS BEFORE EXECUTION OF WORK.

LEGEND :-

F.S.L.	TOP OF CONCRETE
E.L.	FINISHED GROUND LEVEL
U.S.	LOWER SIDE
UPS	UPPER SIDE
B/F	BOTH FACE
NF	NEAR FACE
FF	FACT FACE

5. 30.00MM LEAD CONCRESSIONS TO RL (+)30.924.

6. GRADE OF CONCRETE FOR PILE AND PILE CAP SHALL BE M25 AS PER IS 456 - 2000

7. ALL REINFORCEMENT SHALL BE OF GRADE Fe 500 HIGH YIELD STRENGTH DEFORMED BARS HAVING MINIMUM STRENGTH OF 5500 NQ/CM² CONFORMING TO IS 7866

8. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS.

a) FOR PILE CAP	50mm
b) FOR PILE CAP TOP	50mm
c) FOR PILE CAP SIDE	25mm

9. FOR PILING DRIVING & PILING NOTES REFER DWG. NO. 4610-315-POC-C-101

10. PREPARED & PILING BOLTS FOR ASSEMBLY MOUNT, PLATFORM SHALL BE CAST WITH PIECEP.

11. ALL BOLT SHALL BE EMBEDDED INTO PILECAP. SAME SHALL BE CHECKED & APPROVED BY BHEL BEFORE CONCRETING.

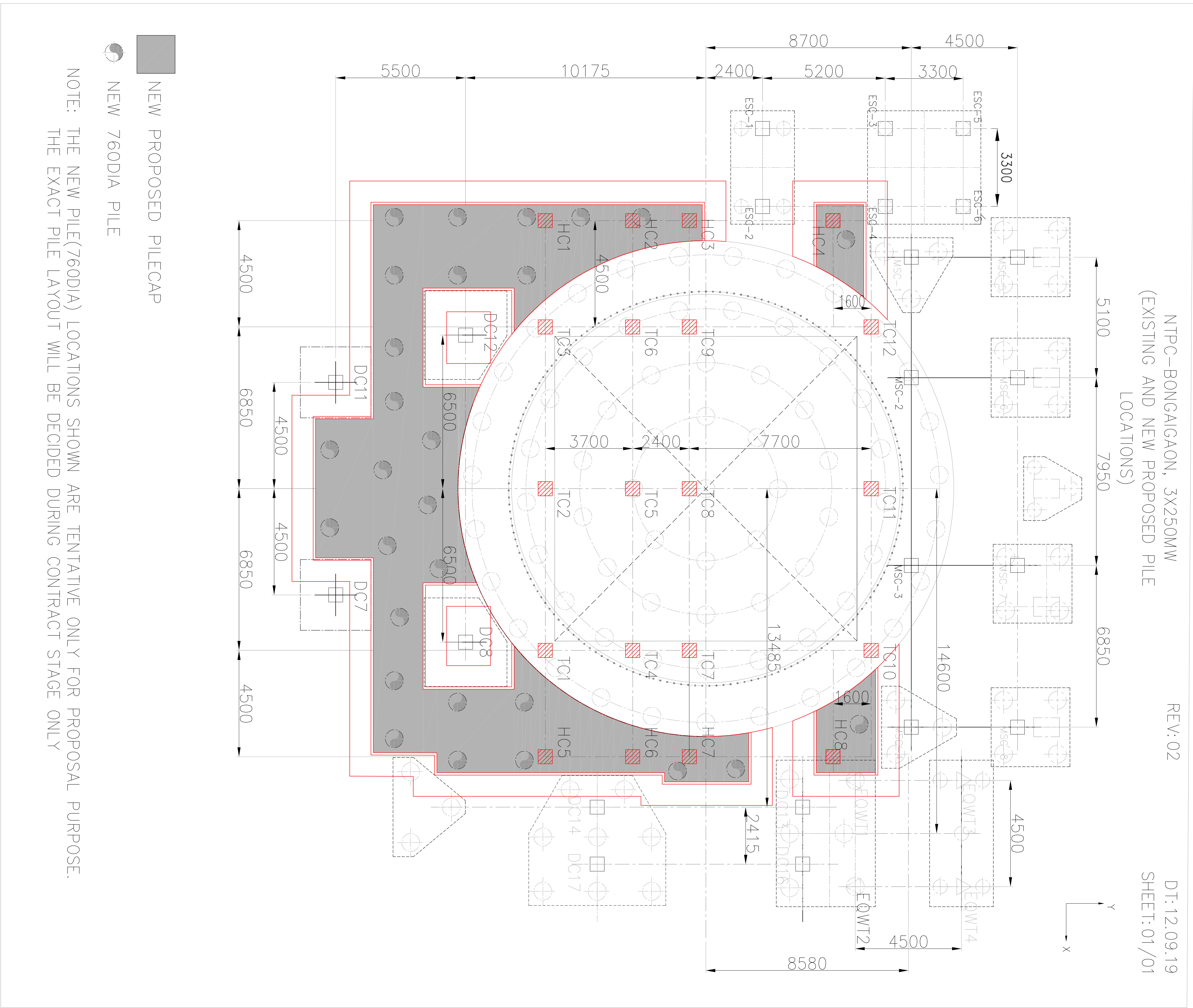
12. FOR GENERAL NOTES OF CONCRETE WORKS REFER DWG. NO. 4610-315-POC-C-002

L&C CONSULTANT :

TENDER PURPOSE ONLY

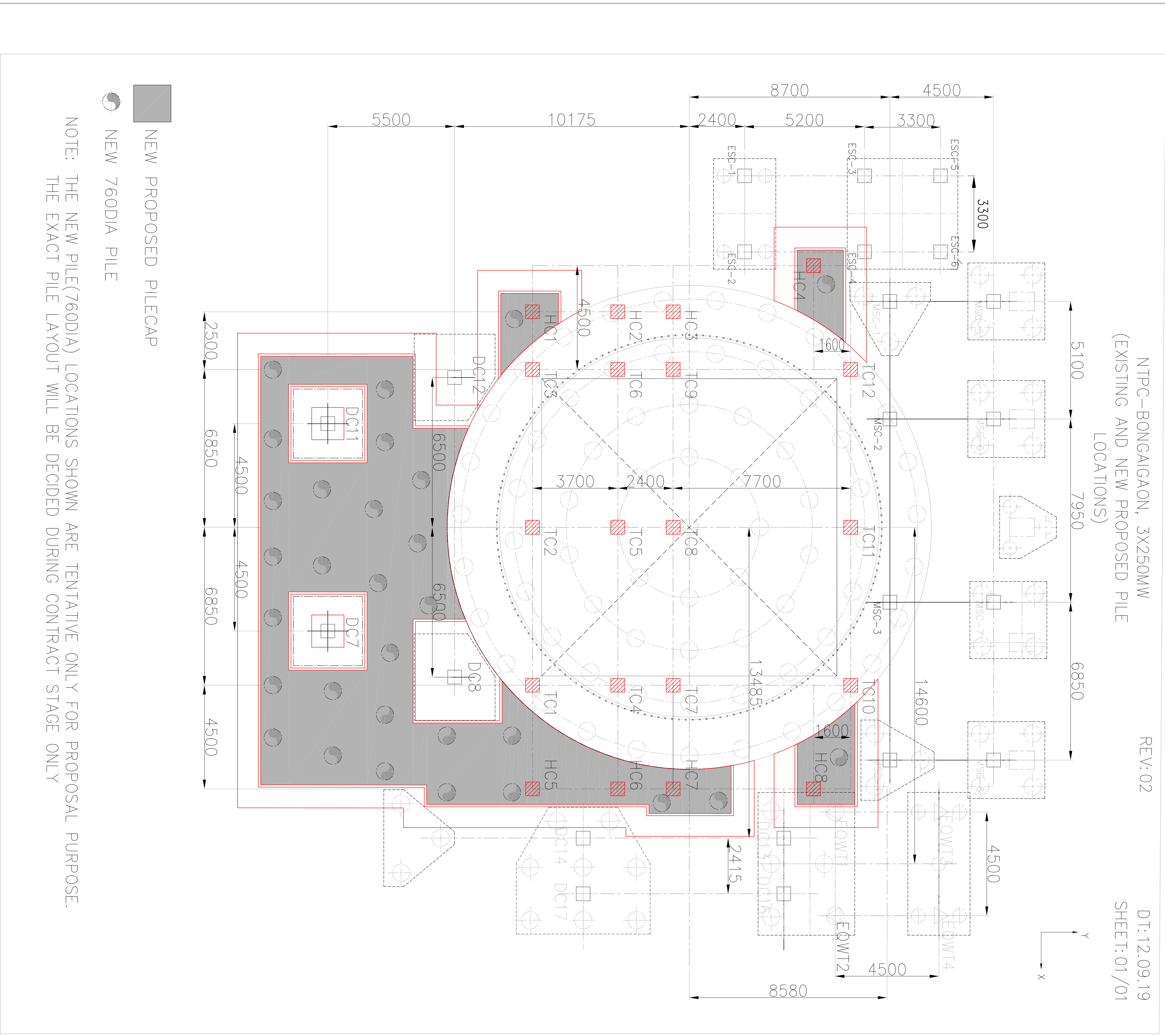
EXISTING ABSORBER PILECAP DETAIL

unit#1 & 3



TENDER PURPOSE ONLY

UNIT#2



PROPOSED ADDITIONAL PILE AND PILE CAP LAYOUT

\$\$\$ THIS EMBEDMENT SHALL BE FOR FULL STRENGTH OF Y10 REINF ROD AND SHALL BE DESIGNED BASED ON GROUT USED.

- ABSORBER CASING

THIS REINF Y10 —
SHALL EMBED INTO
THE EXISTING RCC
FOR MIN300MM \$\$

— PCC 150MM THK

~~110~~

400

D1

- RCC 150MM THK
ALL AROUND PCC
WITH Y10@150C/C REINF

(+)0.250M

EXISTING RCC PILE CAP

TYPICAL SECTION

TC12

TC11

TC10

— PCC 150MM

— RCC 150MM

EXISTING RCC RAFT
2.0M THICK

— EXISTING ABSORBER WALL
INNER (TO BE REMOVED)

TC9

TC8

TC7

TC6

TC5

TC4

TC3

TC2

TC1

7700

2400

3700

6850

6850

PLAN

DETAIL-D1

SCOPE OF WORK FOR CIVIL WORKS AGENCY

1. CLEANING OF EXISTING RCC TOP, IF REQUIRED.

2. EXTENDING REINFORCEMENT RODS FROM DOWELS PROJECTING

FROM EXISTING PILECAP. (DOWELS AND FOUNDATION BOLTS)

INSERTED INTO EXISTING CONCRETE BY OTHERS.)

3. PROVIDING PCC AND RCC ASSOCIATED WORKS.

4. APPLYING BITUMIN PAINT ABOVE RCC/PCC AS APPLICABLE.

TENDER PURPOSE ONLY

NTPC Bongaigaon, Assam

Modification in Existing foundation