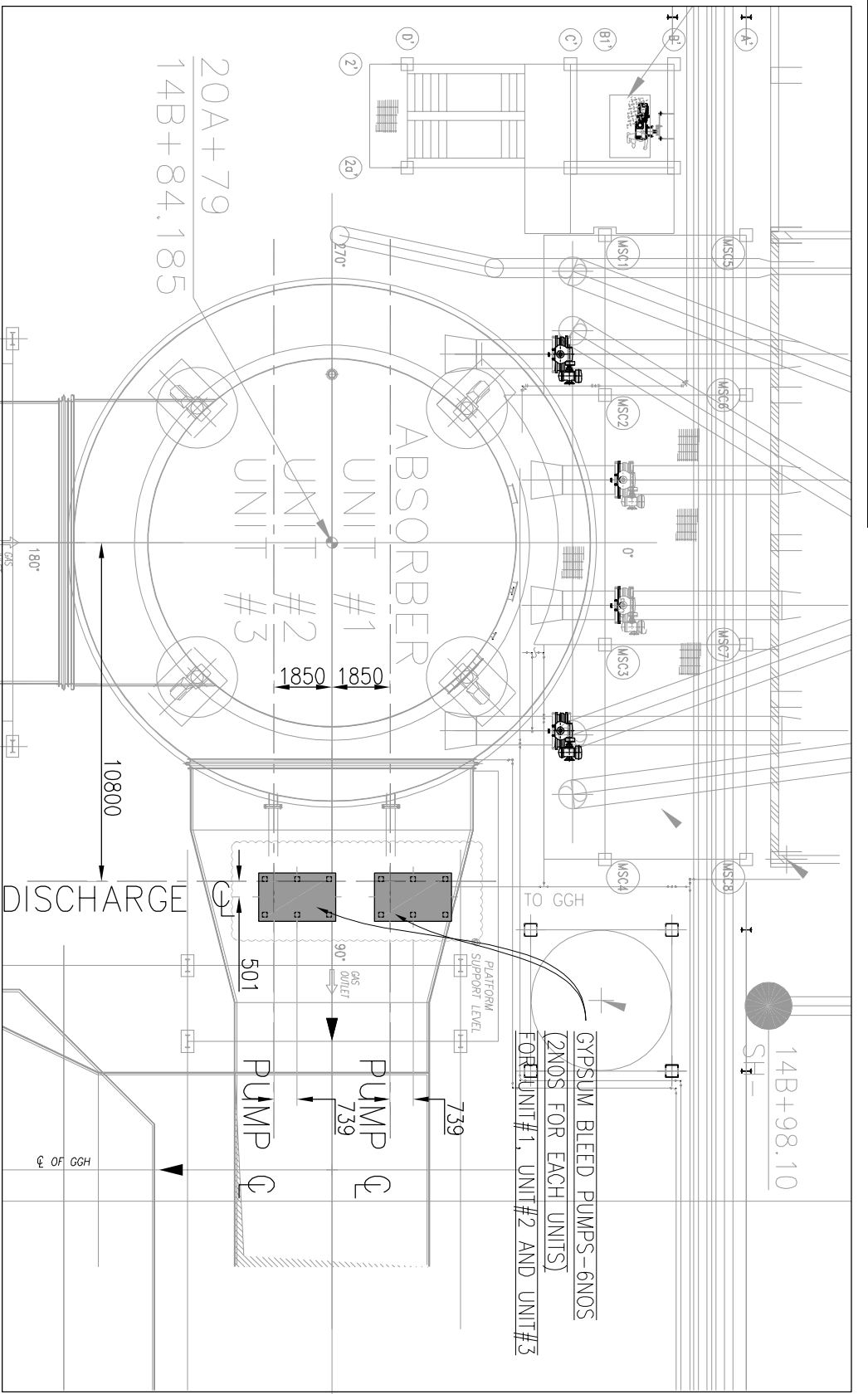
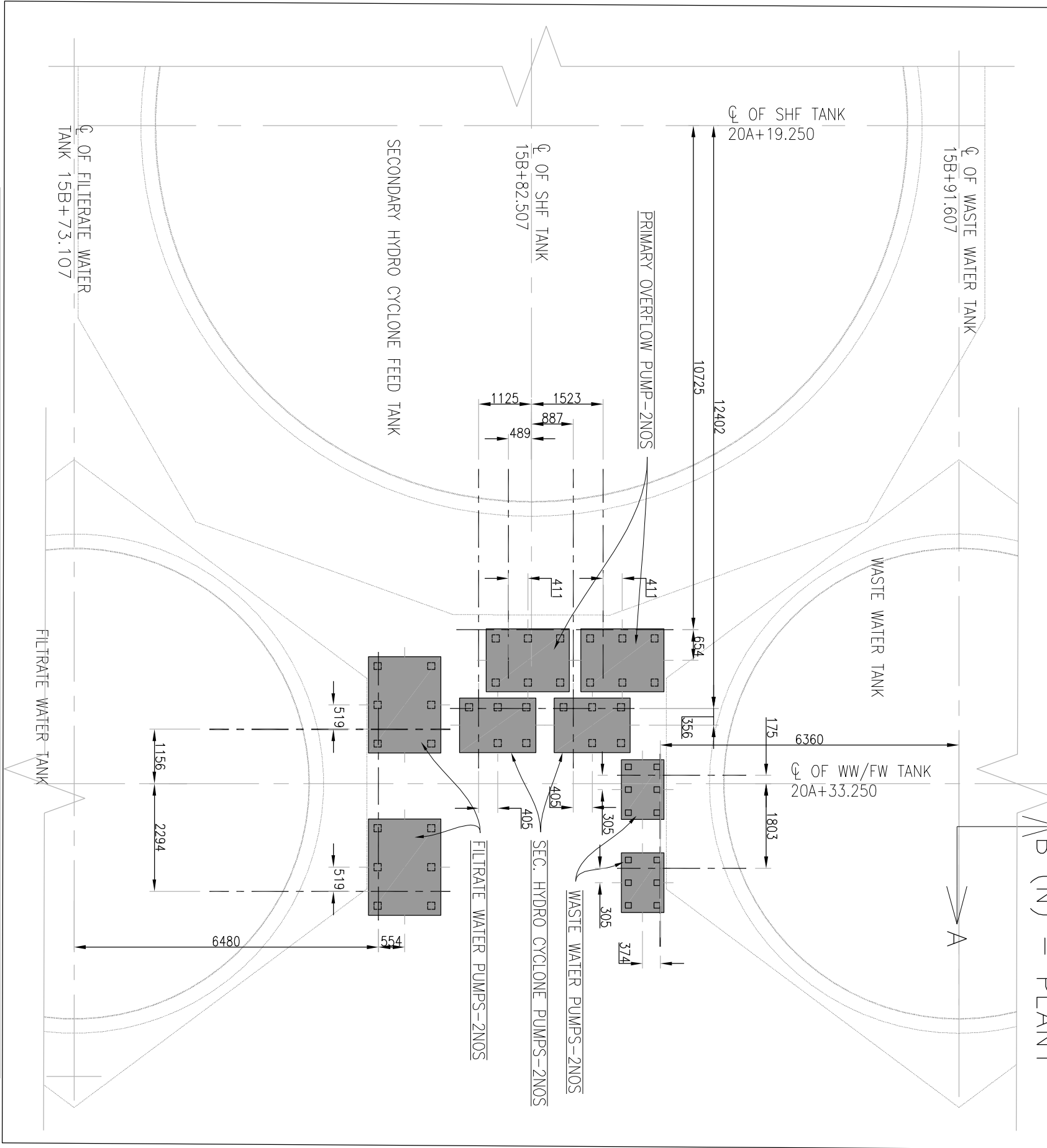


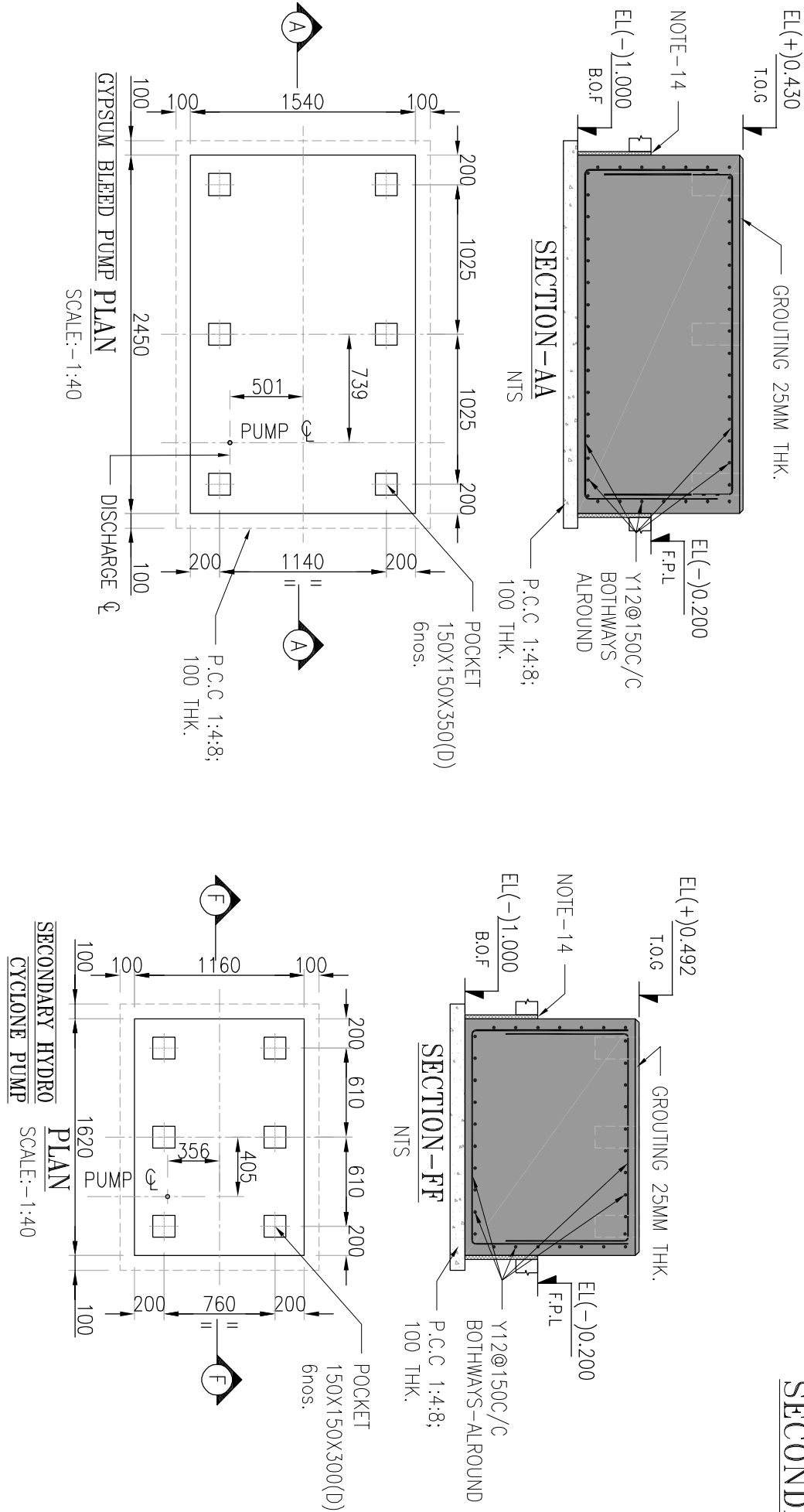
sample drawing for pump foundations



GYP SUM BLEED PUMPS



SECONDARY HYDRO CYCLONE PUMP, PRIMARY OVERFLOW PUMP,
FILTRATE WATER PUMPS, WASTE WATER PUMPS

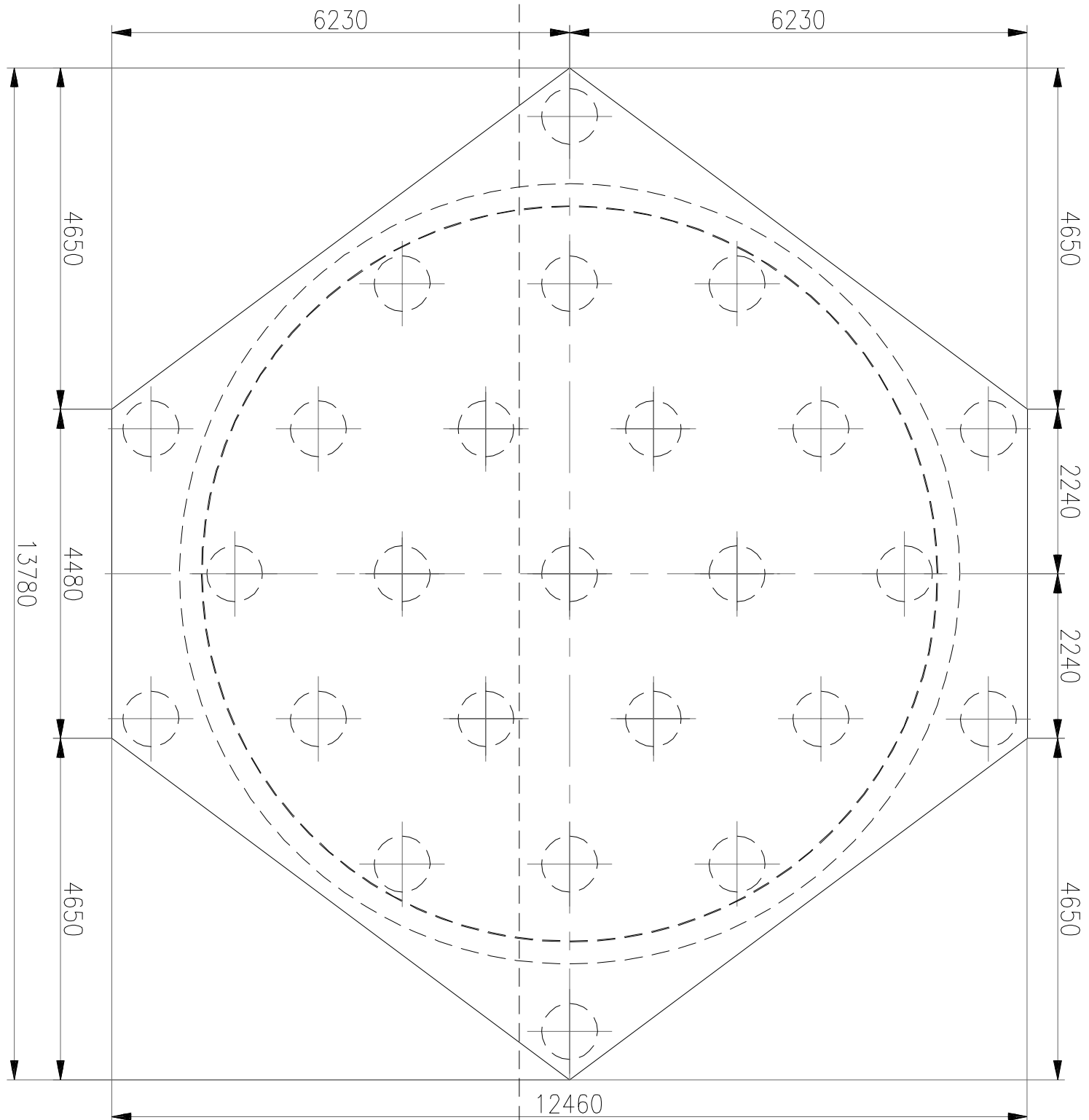


TENDER PURPOSE ONLY

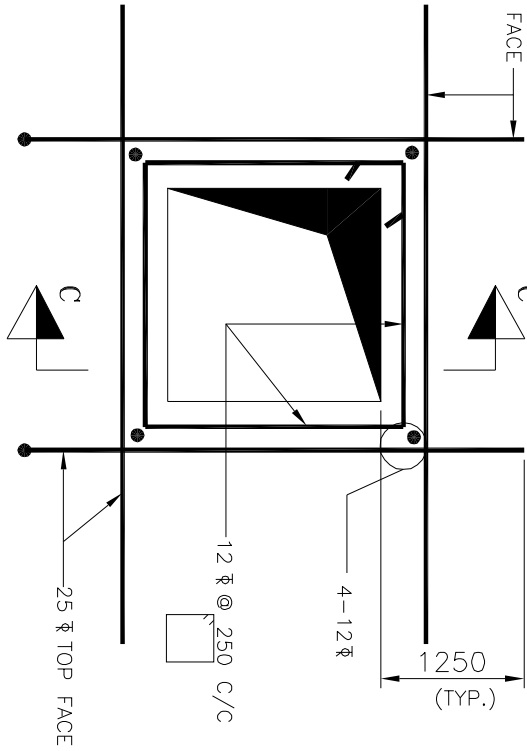
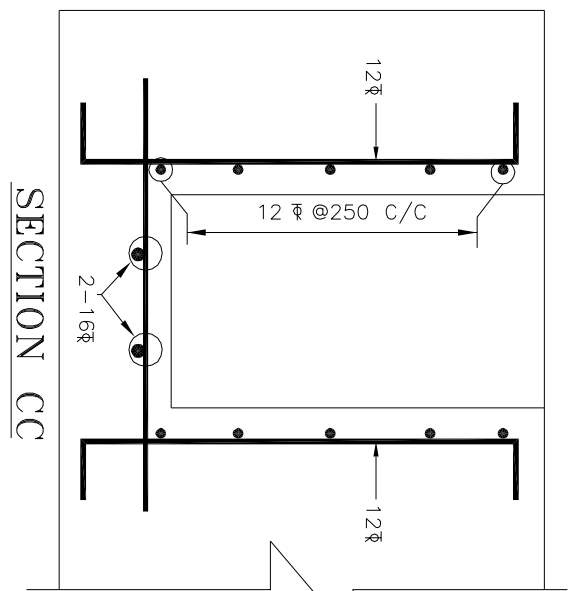
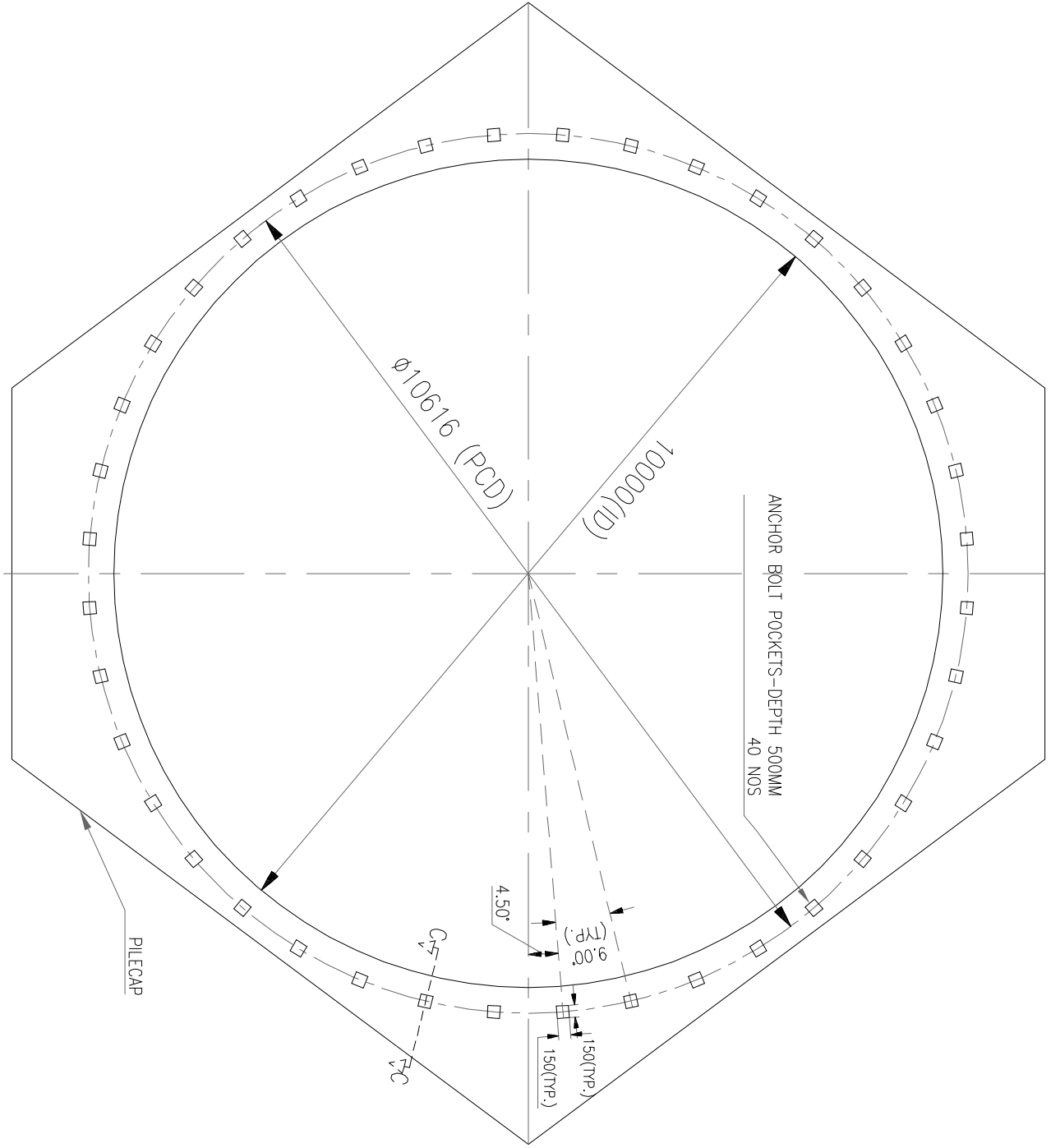
TENDER NO - PSER:SCT:SAL-C2078:20

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

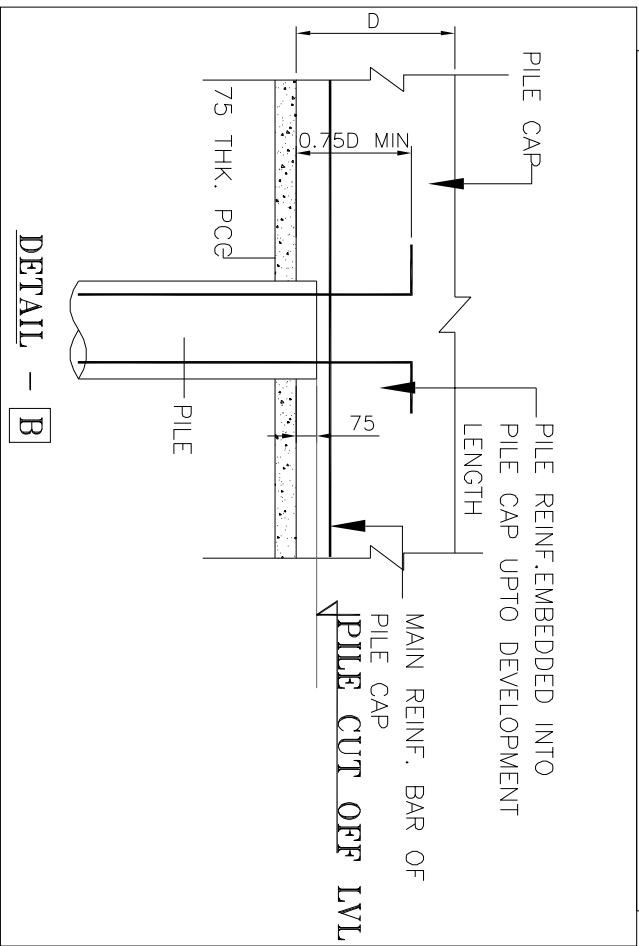
PLAN



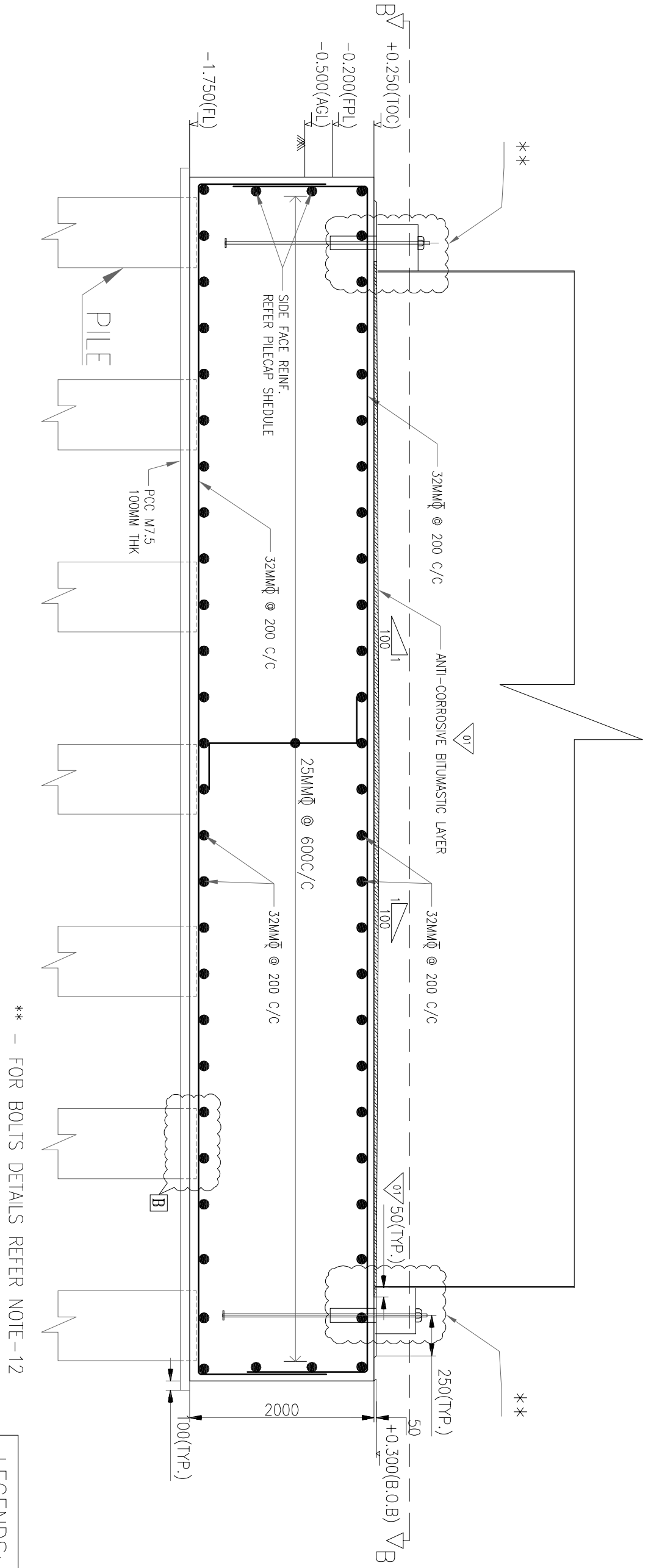
VIEW BB
(SCALE 1:75)



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



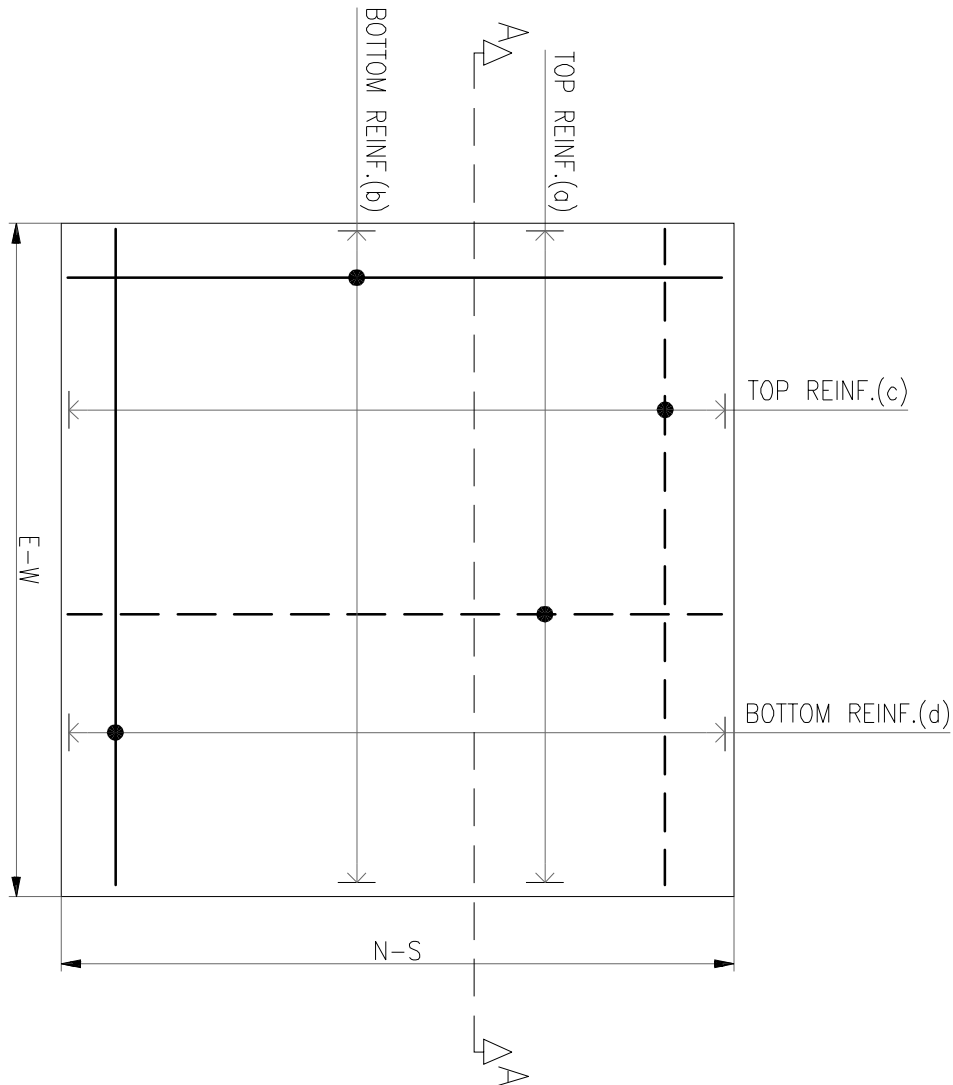
PILE CAP SCHEDULE													
TYPE OF PILE CAP	NO OF PILES	OVERALL SIZE OF PILE CAP (MM) ALONG		DEPTH (D) (MM) (E.L.)	PILE CAP BOTTOM (M)	REINFORCEMENT				SHEAR REIN. SINGLE LEGGED		SIDE FACE REINF	REMARKS
		N-S	E-W			ALONG N-S DIRECTION		ALONG E-W DIRECTION		N-S	E-W		
						TOP (a)	BOTTOM (b)	TOP (c)	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 @ 250 C/C	BOLTS EMBEDDED IN THE PILECAP FOR B.O.S & P.O.C DETAILS REFER DWG NO. 4610-101-03RP-PVC-B-012-R02



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

REFERENCE DRAWINGS:

- ENGG. REFERENCE DWGS:
- 4610-101-03RP-PW-F-018/R07 - KEY PLAN OF WET LIME STONE FGD SYSTEM
 - 4610-101-03RP-PVC-B-012/R02 - FOUNDATION LOADING OF FILTRATE WATER TANK
- CONSTRUCTION REFERENCE DWGS:
- 4610-101-03RP-PVC-B-030/R00 - FILTRATE WATER TANK FOUNDATION-LAYOUT OF PILES
 - 4610-315-PVC-C-101/R01 - DETAILS OF TEST PILES & JOB PILES.
 - 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(+).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
- 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 BOO
- (ii) EXCAVATION MATERIALS REQUIRED FOR BACK FILLING SHALL BE CARRIED UPTO A LEA OF 1KM AND STACKED 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

TENDER PURPOSE
ONLY

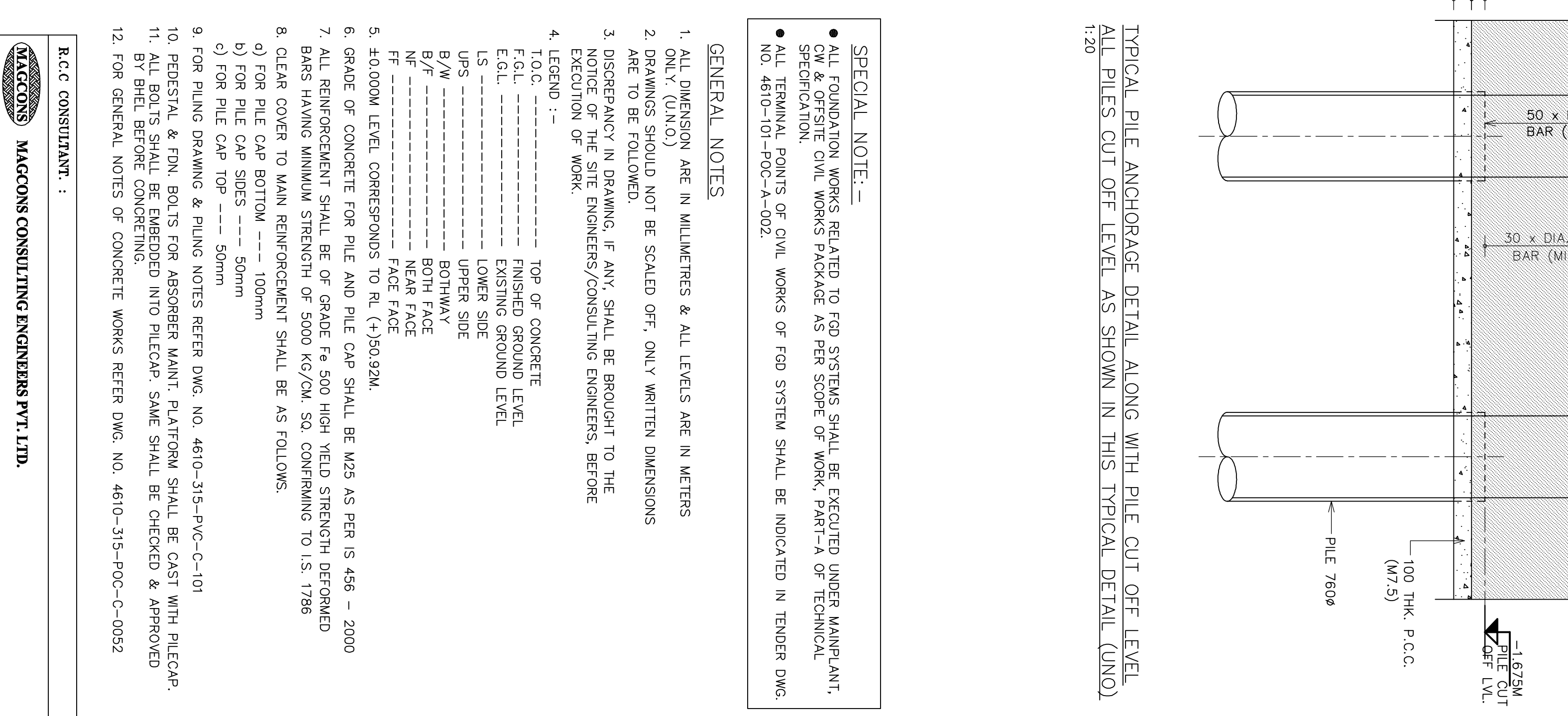
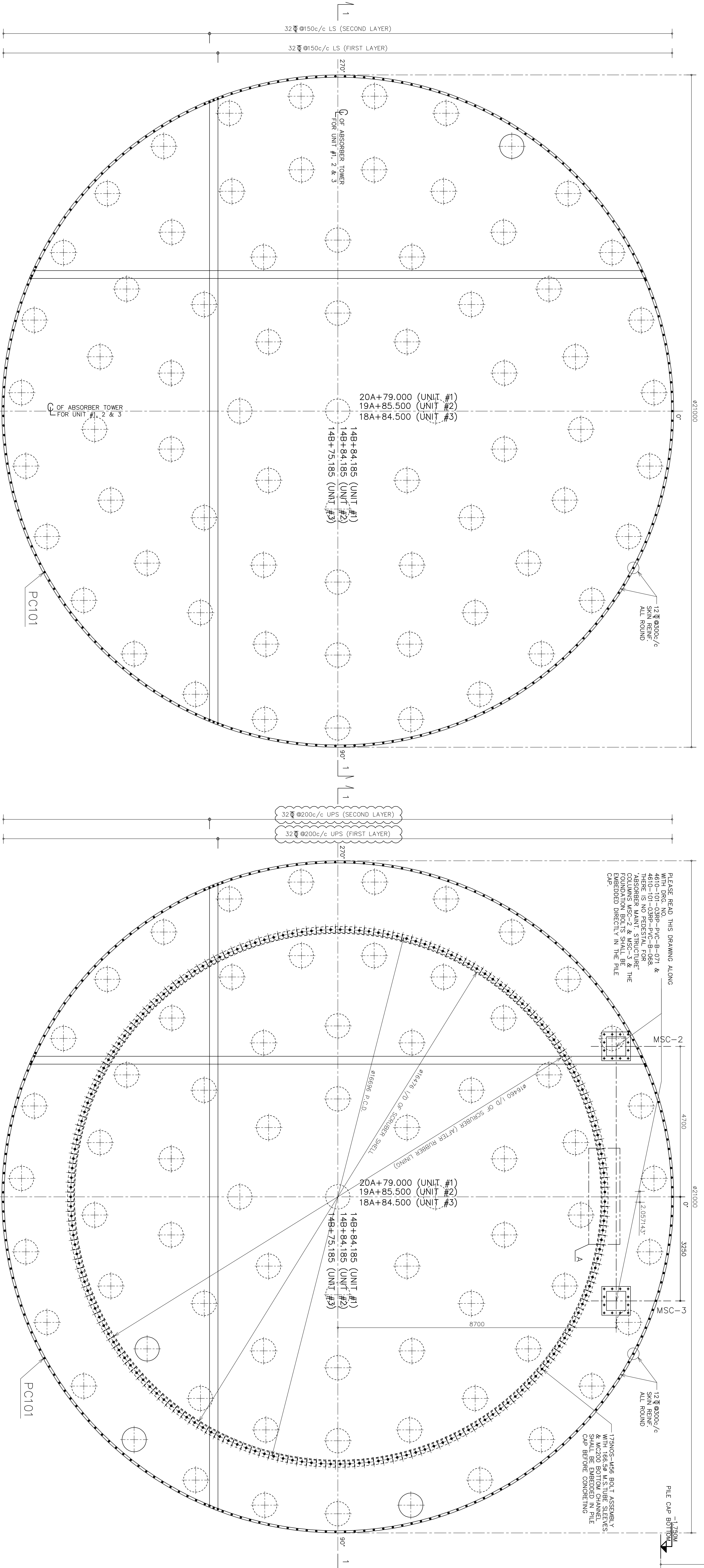
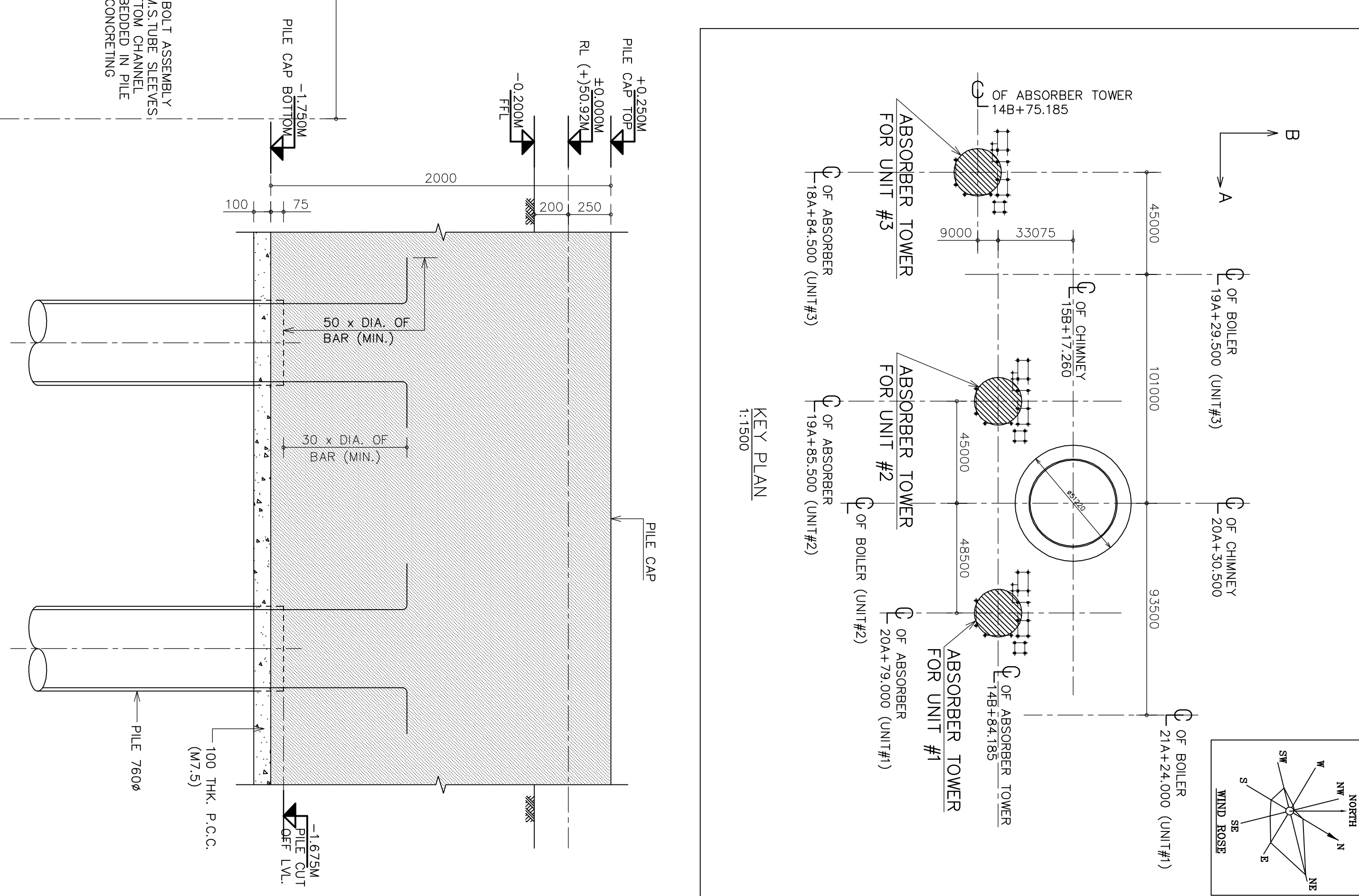
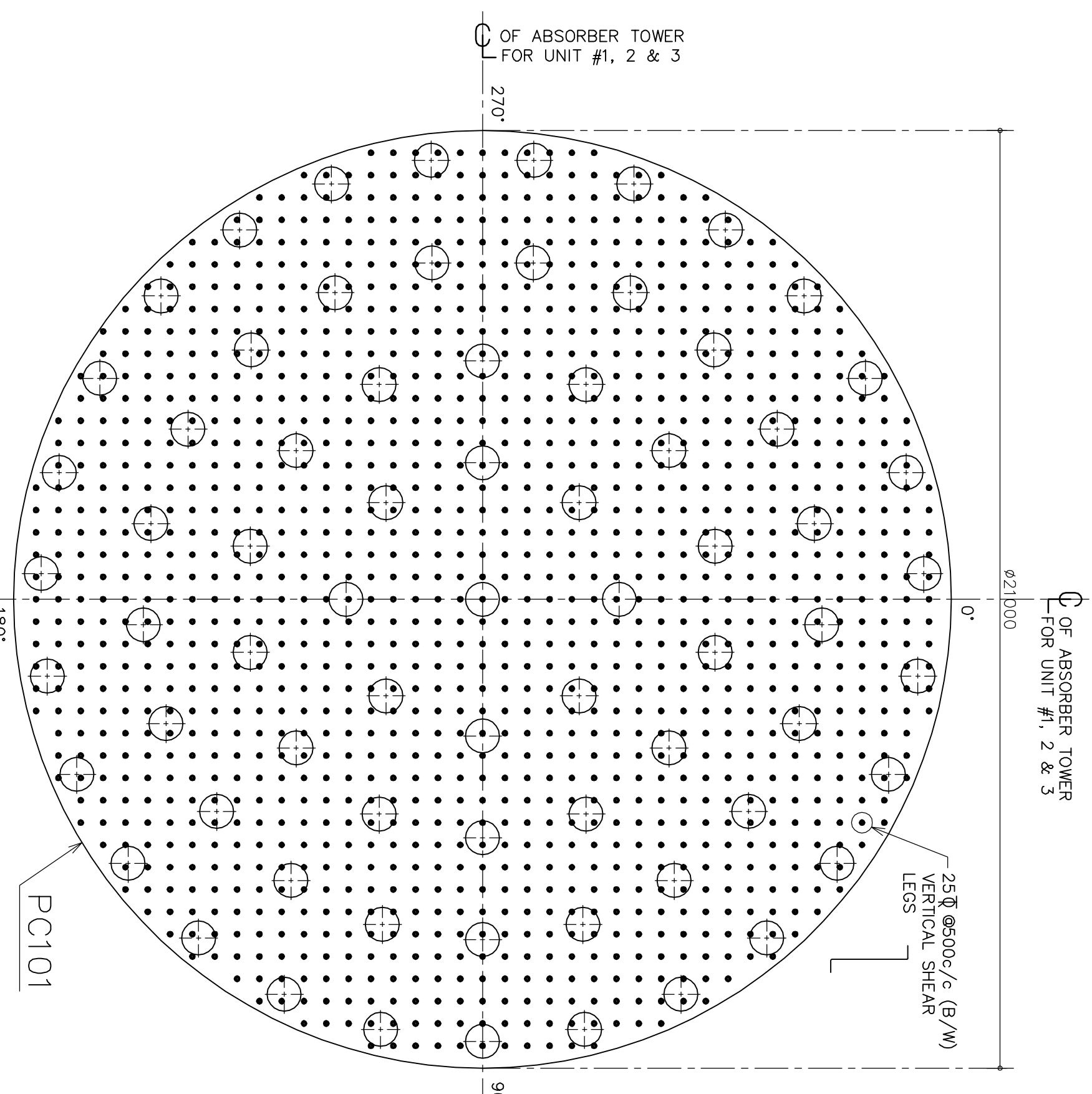
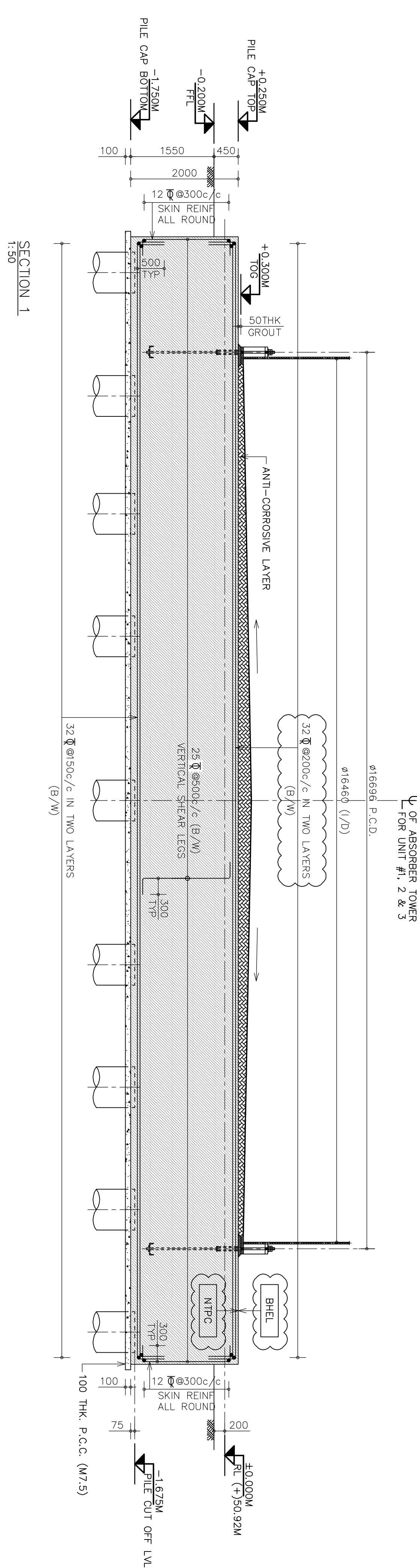
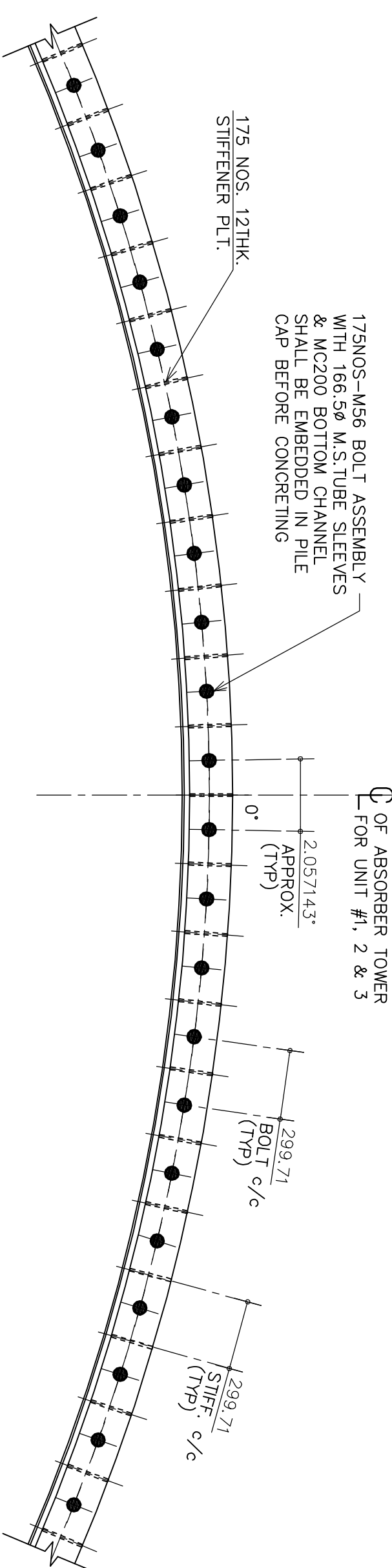
sample drg for tank
pile and pile cap

BULK BILL OF QUANTITY
(QUANTITY SET TO THREE VALUES)

(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

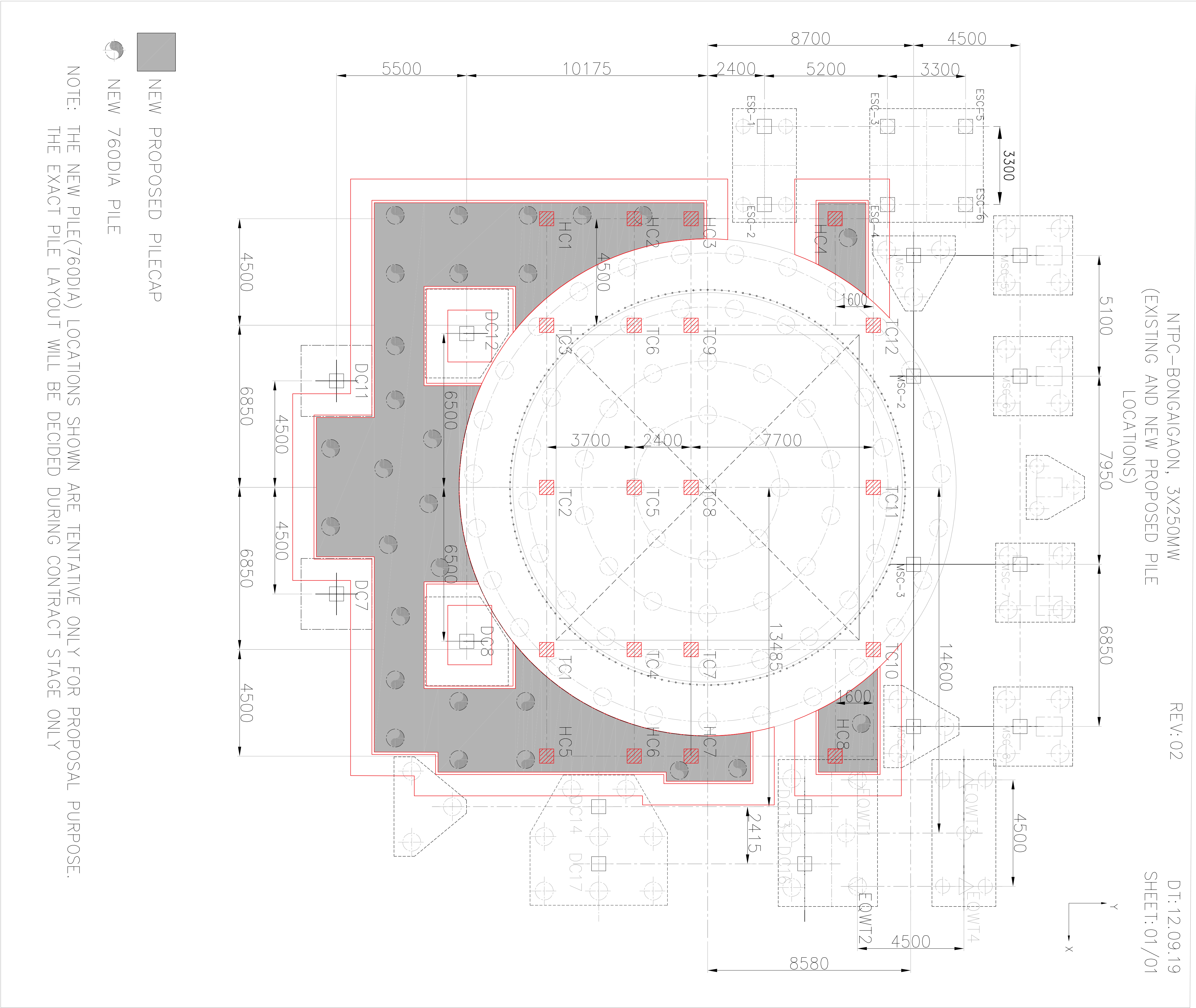
- QUANTITY FOR ABSORBER FOUNDATION 1 ONLY. SAME QUANTITY CAN BE USED FOR ABSORBER FOUNDATION 2 & 3
- REBAR QUANTITIES ARE WITHOUT LAPS & WASTAGES AND ARE APPROXIMATE FOR BULK PROCUREMENT ONLY.

[illegible][illegible]

TENDER PURPOSE ONLY

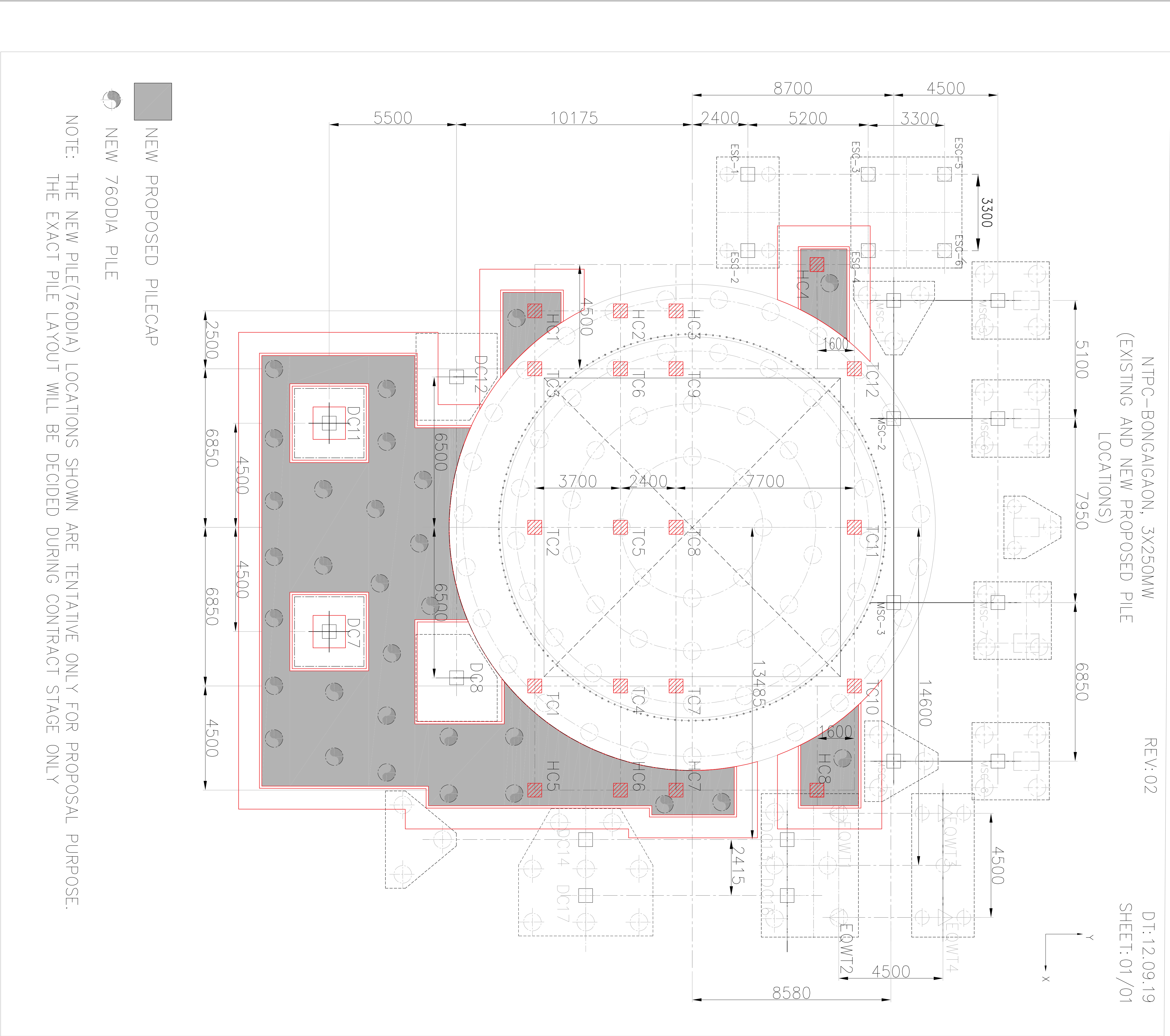
EXISTING ABSORBER PILECAP DETAIL

unit#1 & 3

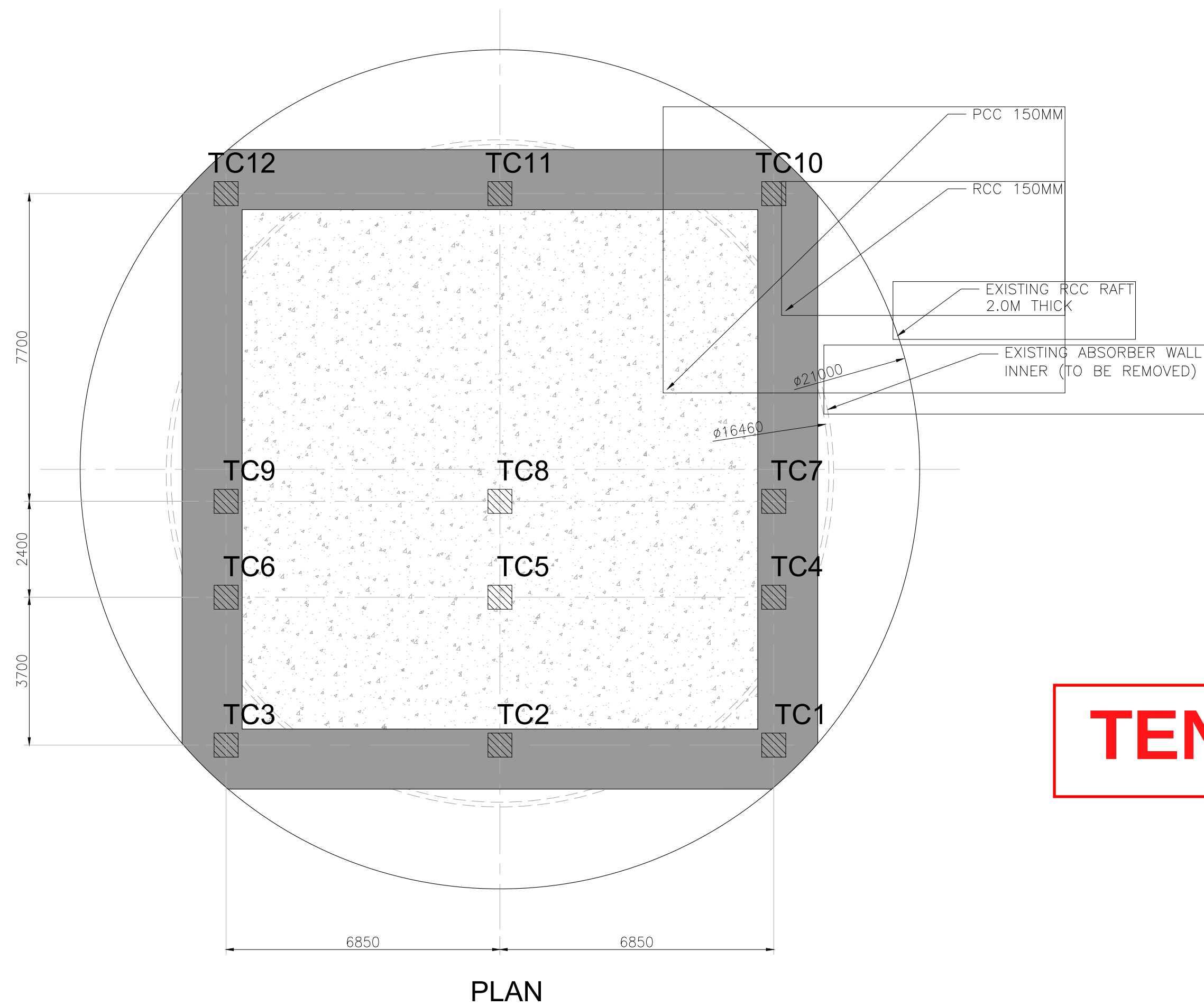
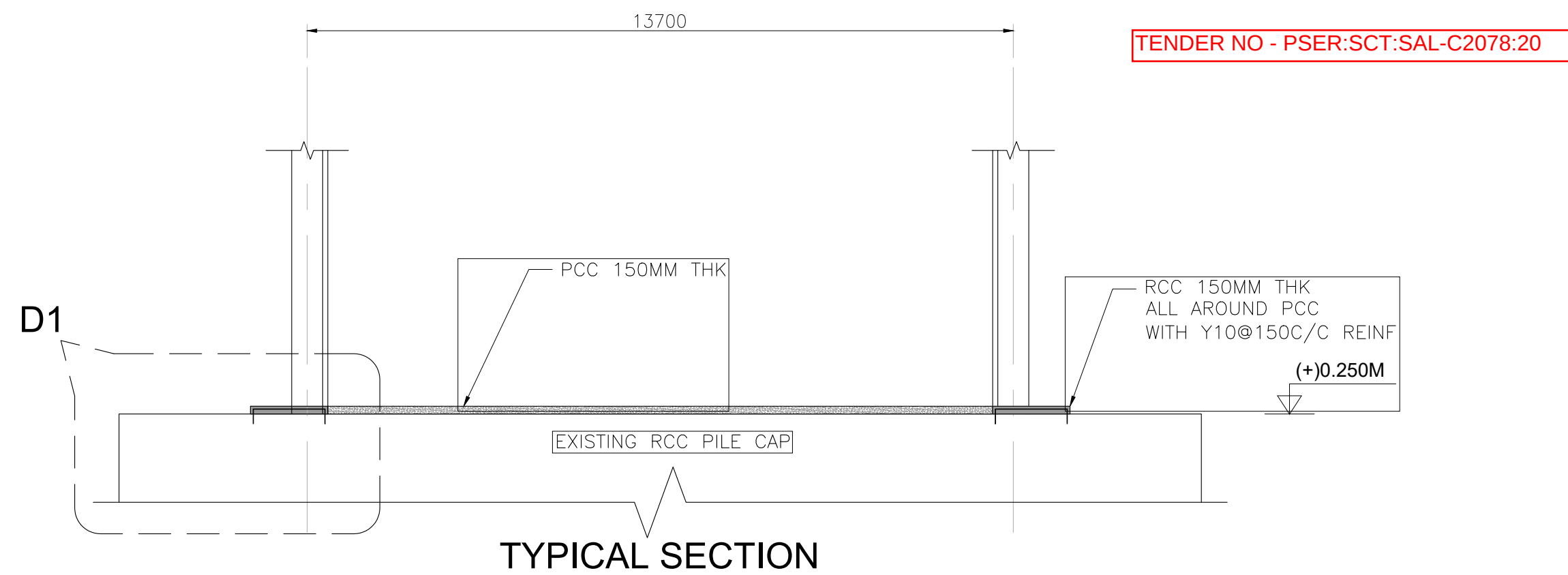


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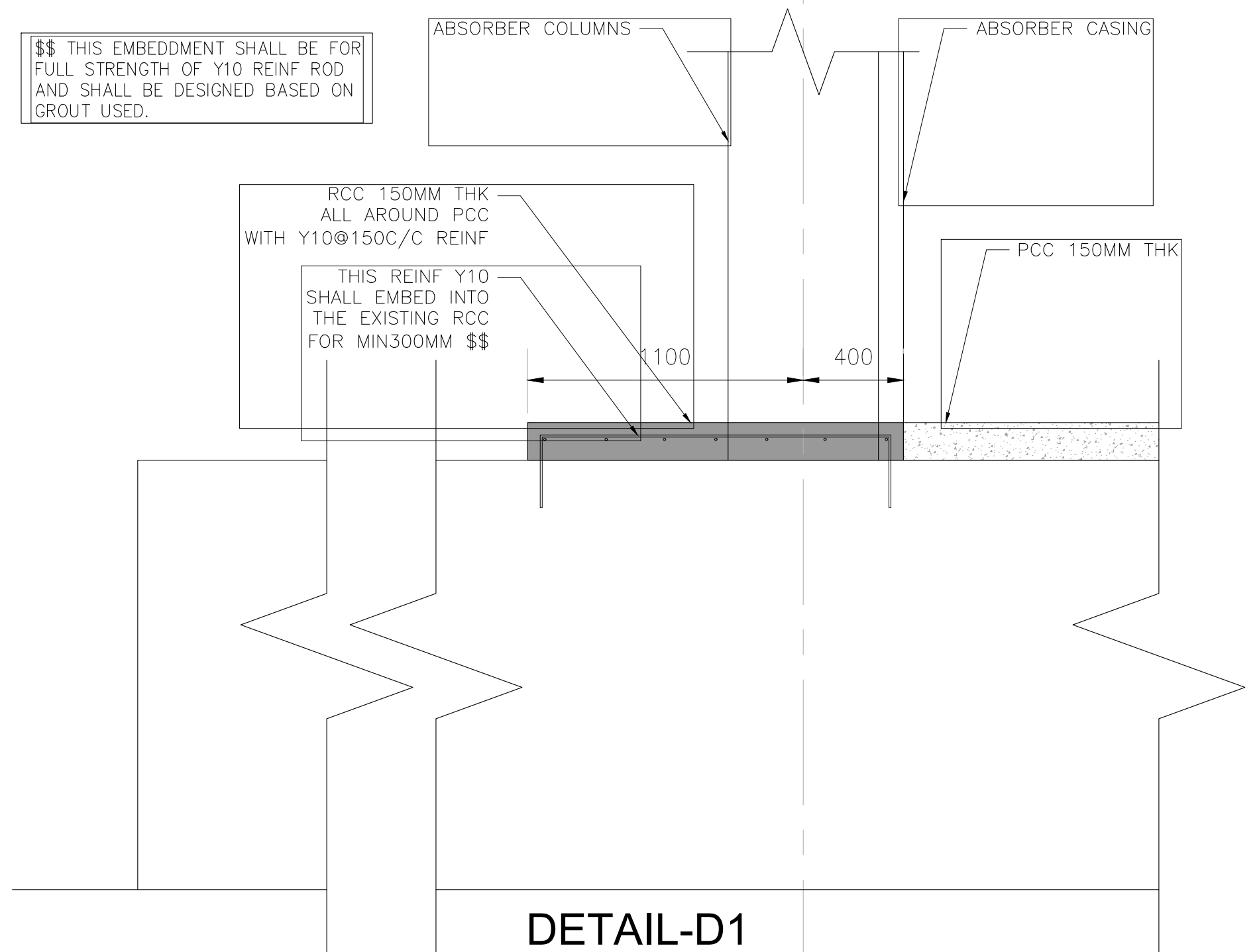
UNIT#2



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.



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