

SCHEDULE OF RCC PILE CAPS															
SL. NO.	TYPE OF PILE CAP	PILE TYPE	DIA	NO. OF PILES IN EACH PILE CAP	SIZE OF PILE CAP			REINFORCEMENT IN PILE CAPS							
					LENGTH 'L'	WIDTH 'B'	DEPTH 'D'	BOTTOM BARS ALONG WIDTH 'B'		TOP BARS ALONG WIDTH 'B'		BOTTOM BARS ALONG LENGTH 'L'		TOP BARS ALONG LENGTH 'L'	
								DIA #	SPACING C/C	DIA #	SPACING C/C	DIA #	SPACING C/C	DIA #	SPACING C/C
1.	PC 1	P1	450	08	REFER PLAN	8250	1200	16	100	16	100	16	100	16	100
2.	PC 2	P2	450	21	6250	8250	1200	16	100	16	100	16	100	16	100
3.	PC 3	P3	450	03	REFER PLAN	1500	20	100	20	100	20	100	20	100	20
4.	PC 3A	P3	450	03	REFER PLAN	1700	20	100	20	100	20	100	20	100	20
5.	PC 4	P4	600	24	10000	6400	1200	20	100	16	100	20	100	16	100
6.	PC 5	P5	450	08	4900	2200	1200	16	100	16	100	16	100	16	100
7.	PC 6	P6	450	06	3550	2200	1200	16	100	16	100	16	100	16	100
8.	PC 7	P3	450	57	REFER PLAN	1000	16	100	16	100	16	100	16	100	16
9.	PC 8	P3	450	03	REFER PLAN	1000	16	100	16	100	16	100	16	100	16
10.	PC 9	P3	450	06	3550	2200	1000	16	100	16	100	16	100	16	100
11.	PC 10	P4	600	01	1000	1000	1000	16	100	16	100	16	100	16	100
12.	PC 11	P3	450	09	6695	2200	1200	16	100	16	100	16	100	16	100

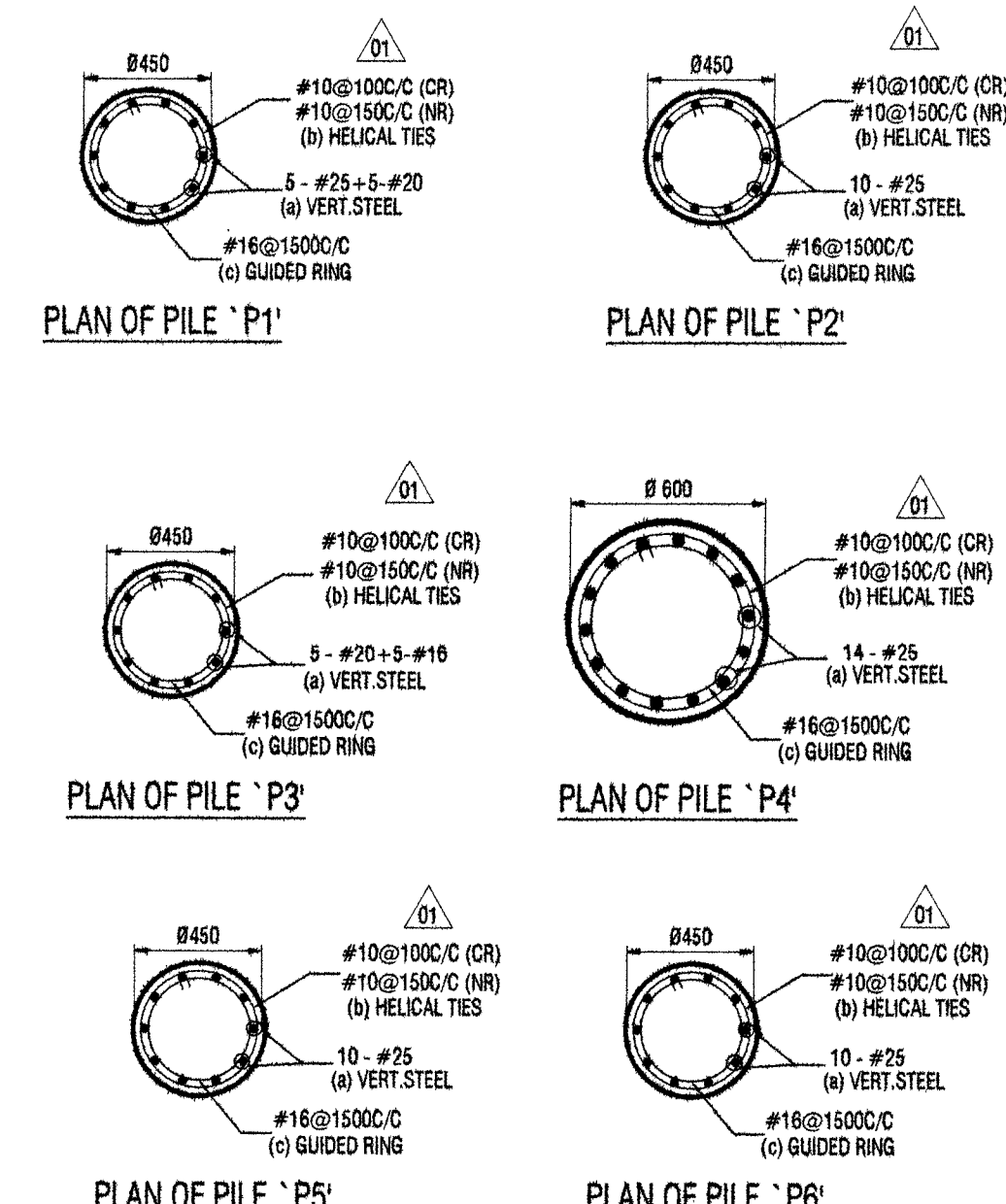
SCHEDULE OF BORE CAST - IN-SITU (BOIS) PILE

DIA OF PILE	SAFE LOAD CAPACITY			REMARKS
	VERTICAL (kN)	LATERAL (kN)	UPLIFT (kN)	
600	2450	95	1700	
450	1550	70	1250	

SCHEDULE OF PILE VERTICAL REINFORCEMENT

PILE MKD.	DIA OF PILE	VERTICAL STEEL (a)	HELICAL TIES (b)		GUIDED RING (c)	REMARKS
			CR	NR		
P1	450	5 - #25 + 5 - #20	#10@1000/C	#10@1500/C	#16@15000/C	
P2	450	10 - #25	#10@1000/C	#10@1500/C	#16@15000/C	
P3	450	5 - #20 + 5 - #16	#10@1000/C	#10@1500/C	#16@15000/C	
P4	600	14 - #25	#10@1000/C	#10@1500/C	#16@15000/C	
P5	450	10 - #25	#10@1000/C	#10@1500/C	#16@15000/C	
P6	450	10 - #25	#10@1000/C	#10@1500/C	#16@15000/C	

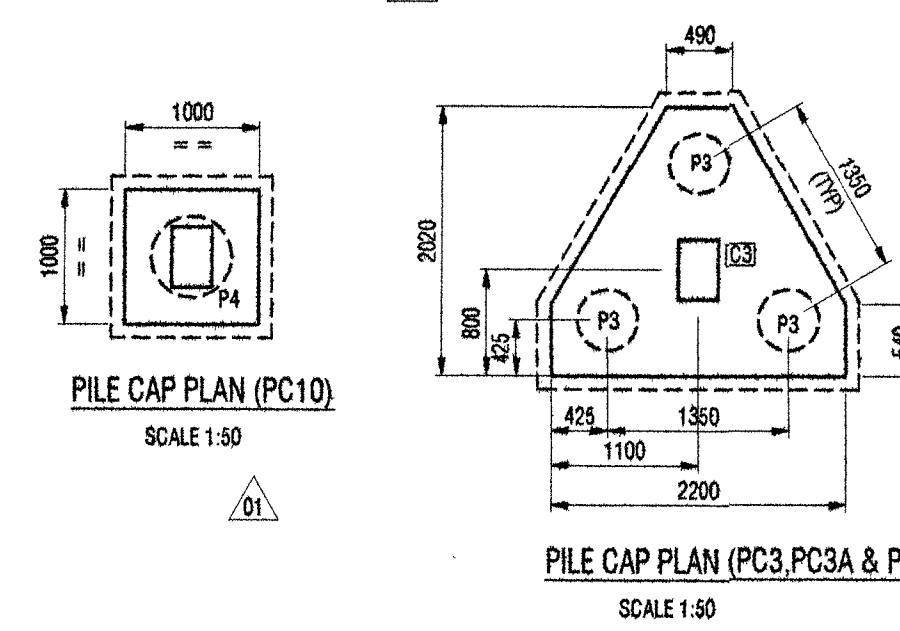
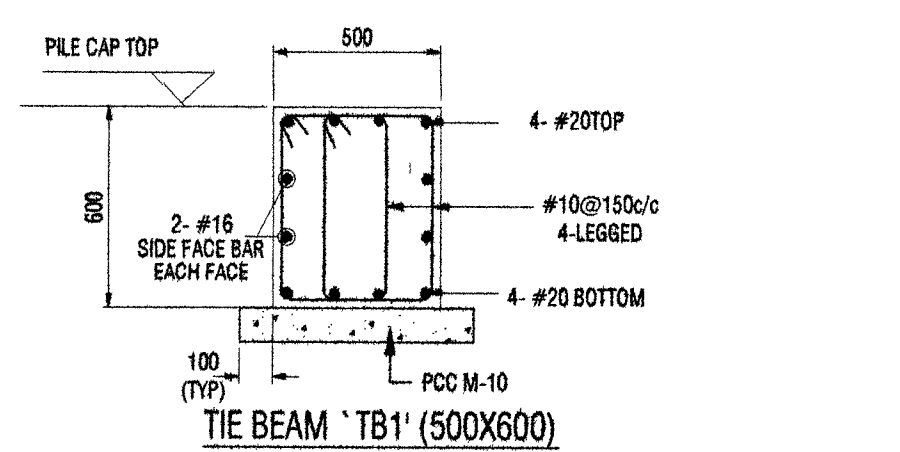
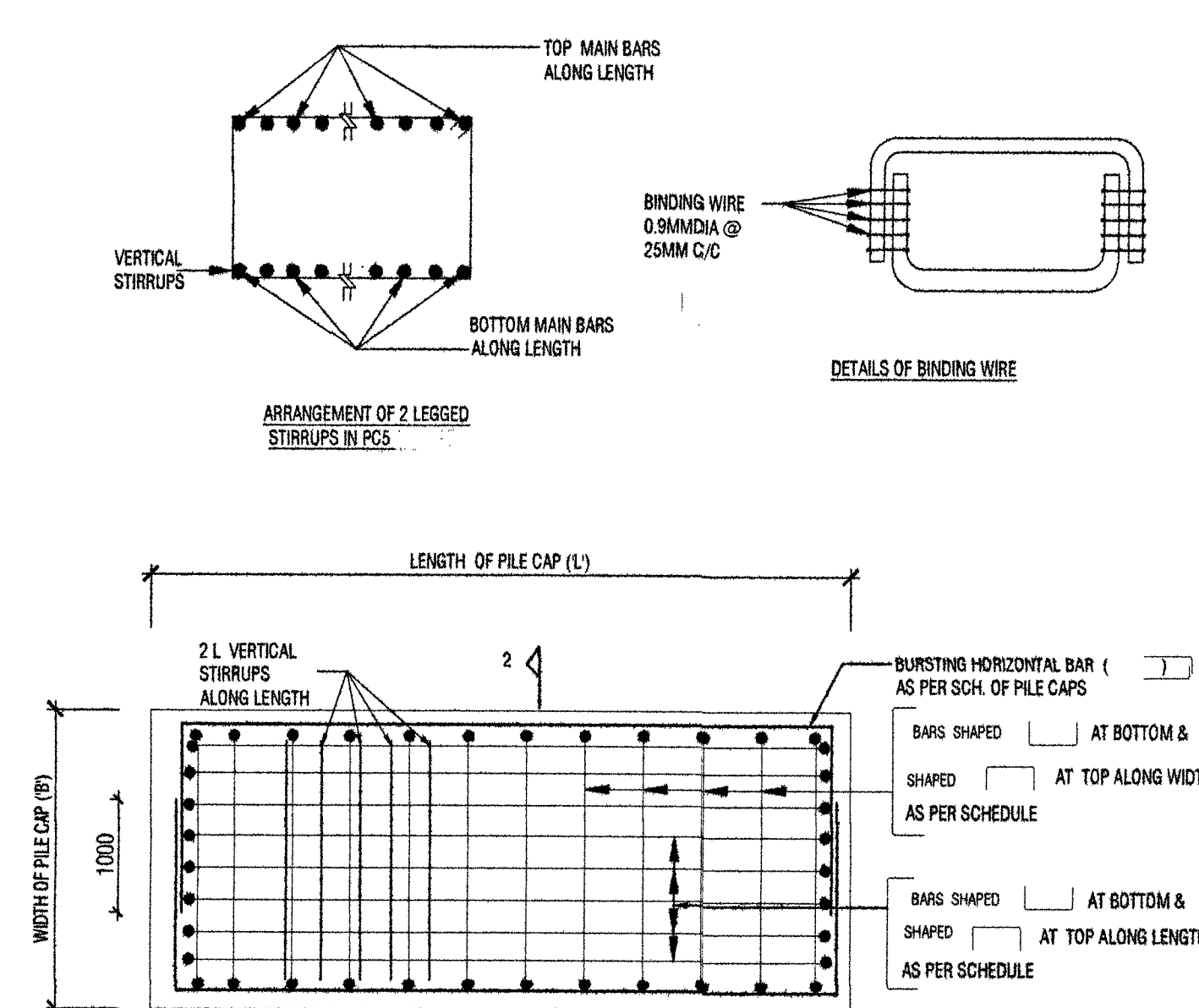
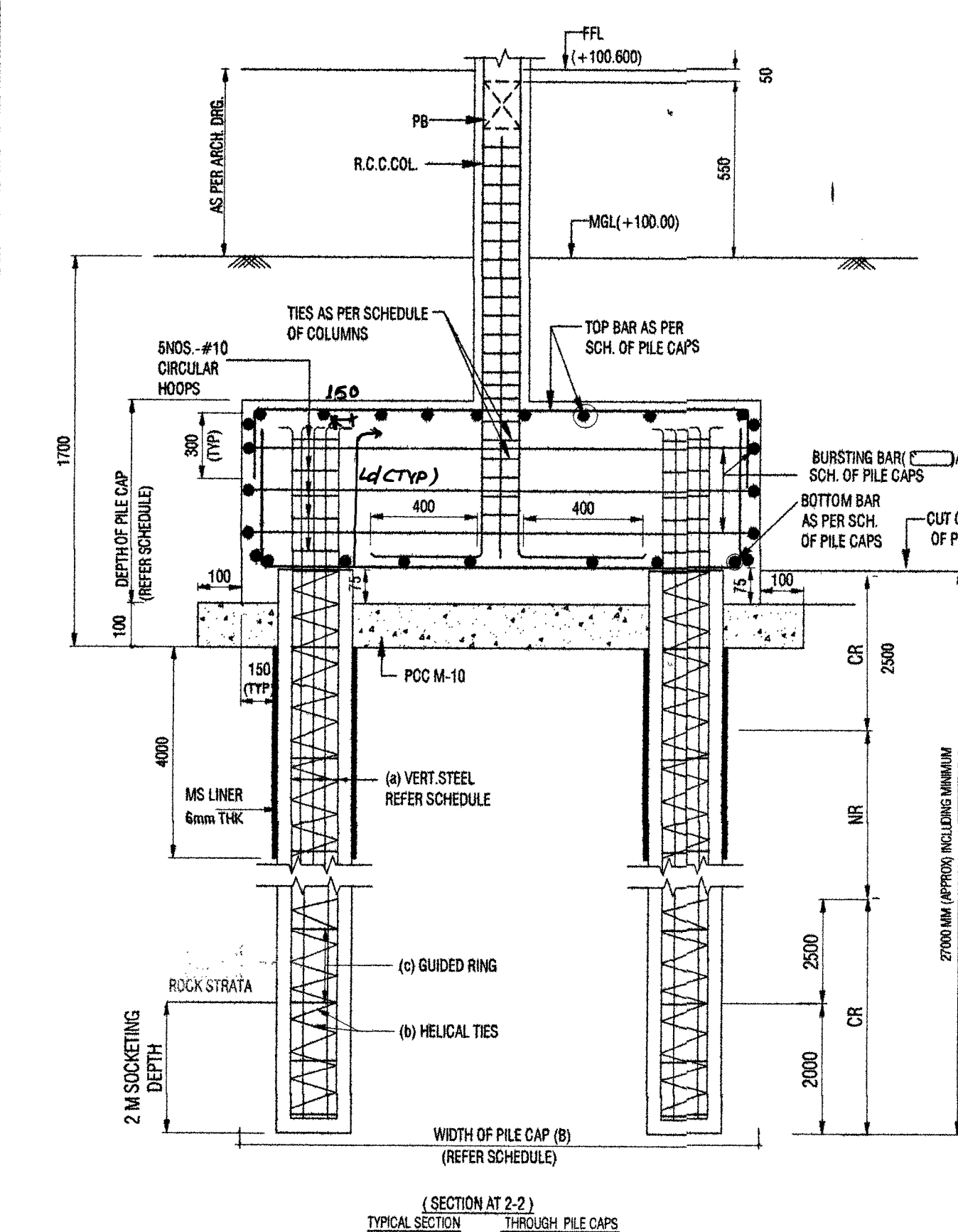
NOTE:- CUT OF LEVEL OF PILES ARE WORKED OUT CONSIDERING MADE UP GROUND LEVEL ELEVATION (MGL) AS (+/-) 0.00 M



GENERAL NOTES:

- DO NOT SCALE FROM THE DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE VERIFIED ON SITE & APPROVED BY THE ENGINEER.
- ALL LAPS IN WALLS & COLUMNS SHALL BE GIVEN AS TENSION LAPS ONLY.
- FOR TYPICAL DETAILS REFER DRG. NO. ISC/CE(N)/DU/GN/01
- FOR GENERAL NOTES REFER DRG. NO. ISC/CE(N)/DU/GN/02 SHT. 1 & 2
- COLUMN SCHEDULE REFER DRG. NO. ISC/CE(N)/DU/OM/200 SHT. 1 & 2
- TO BE READ IN CONJUNCTION WITH THE ARCH DRAWINGS.

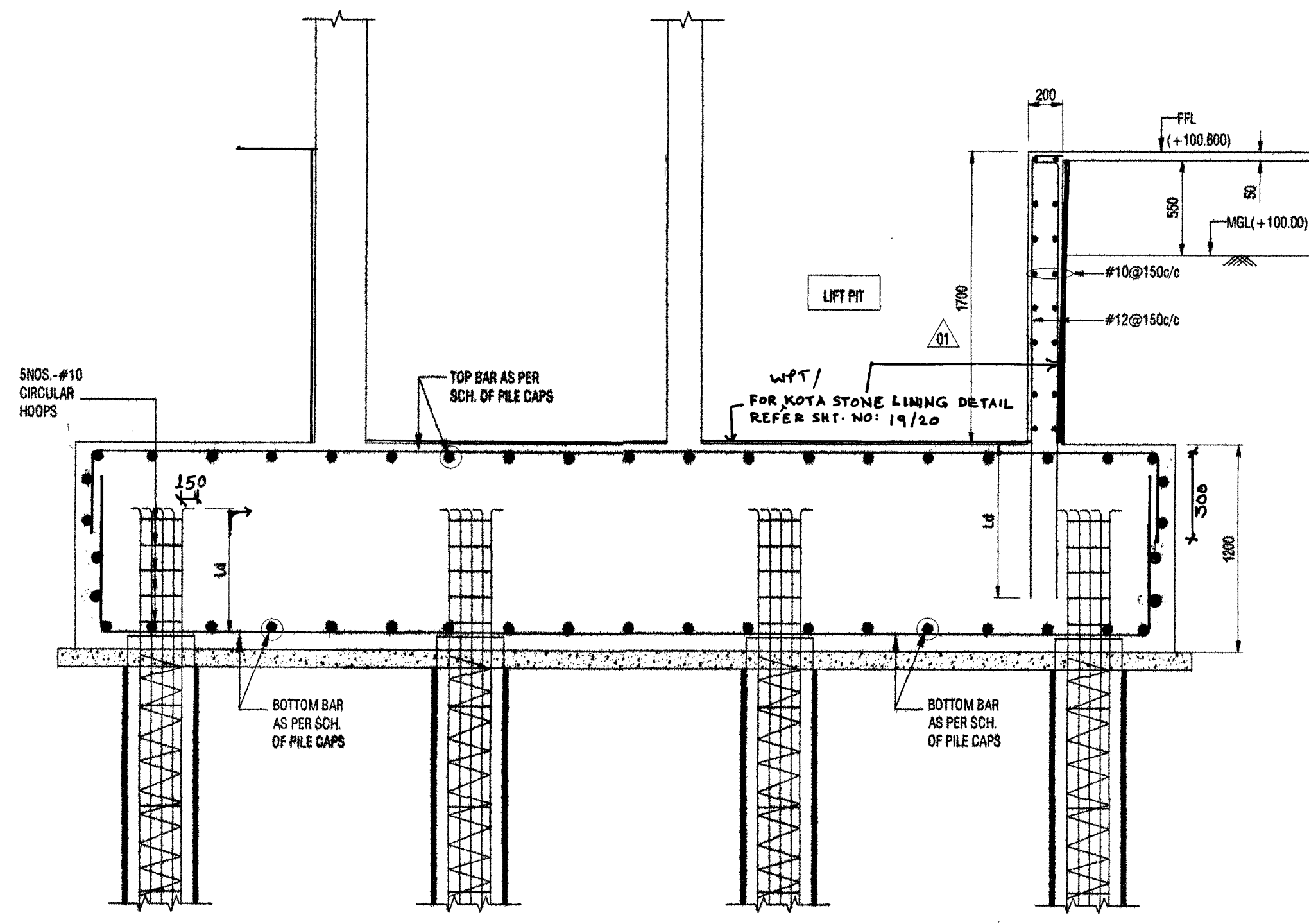
FOR NOTES ON PILING WORK REFER DRG. NO. - CEVZ/WD/2110(S)-SA/CH/DH SHT. NO.-05/20



FOR DIMENSIONS OF ALL PILE CAPS REFER PILE & PILE CAP LAYOUT

TYPICAL PLAN OF PILE CAP (SQUARE/RECT. SHAPE) SHOWING REINFORCEMENT DETAIL (FOR DIA & NO. OF BARS REFER SCH.)

NOTE :- SPACED LENGTH OF HORIZONTAL BURSTING BARS SHALL BE 1000 AND SHALL BE INTERMITTENT WELDED AT CONTINUOUS INTERVAL IN ADDITION TO BINDING WITH BINDING WIRE.



SECTION FOR PILE CAP 'PC4' ONLY (LIFT PIT AREA)

S.NO.	DATE	DESCRIPTION	INITIAL

CLIENT: CHIEF ENGINEER (NAVY) VISAKHAPATNAM ZONE

REF. DRG. NO. CEVZ/WD/2110(S) SA/CH/DH

DESIGNS & DRAWINGS PREPARED BY CONSULTANCY FIRM M/S INTEGRITY STRUCTURAL CONSULTANT AND VETTED BY NATIONAL INSTITUTE OF TECHNOLOGY TRICHY

SHT NO: 48/20

NAME OF PROJECT: PROVISION OF DEFICIENT 287 SINGLE INLIVING ACCN ASSOCIATED FACILITIES FOR DSC AT NAVAL DOCKYARD, VISAKHAPATNAM (BD NO AMWP 46/2020)

TITLE OF DRAWING: PILE CAP REINFORCEMENT SCHEDULE

STRUCTURAL CONSULTANTS: INTEGRITY STRUCTURAL CONSULTANTS

CONSULTANT DWG NO: ISC/CE(N)/DU/OM/100-1 SHEET NO: A1

SHEET: A1 DATE: 08/01/2023 JOB NO: 07-21

DRAWN: MUZ CHECKED: SS APPR: NS

DESIGNED BY: Dr. NAJEEB SHARIFF, Ph.D. (TECH ADVISOR)-ISC 103, Mayuri Mansaa Apartments, Dutch Layout, Visakhapatnam - 17 Email: integritystco@gmail.com

VETTED BY: Dr. MASHUDHA SULTHANA, Ph.D. ASSISTANT PROFESSOR DEPARTMENT OF CIVIL ENGINEERING NATIONAL INSTITUTE OF TECHNOLOGY TRICHYRAPPALI - 620 015