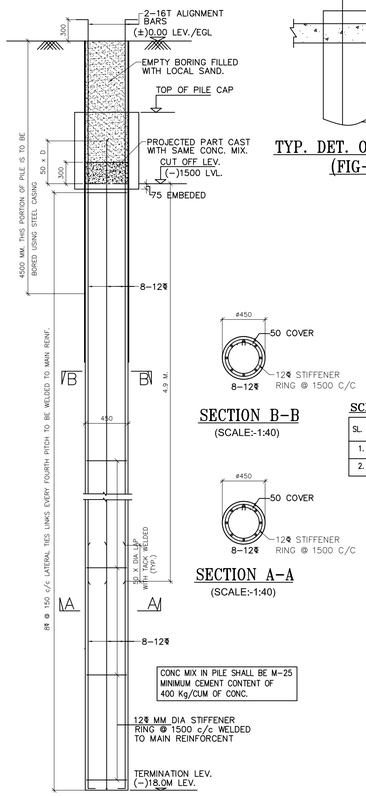
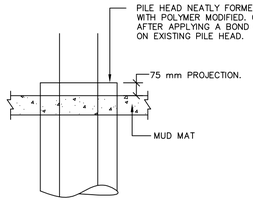
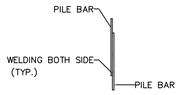


TYPICAL DETAIL OF PILE SHAFT
PILE DIA= 450
PILE CAPACITY 35 TON
SCALE=1:40



TYP. DET. OF PILE HEAD
(FIG-2)



TYP. DET. OF REINF. LAP IN PILE
(FIG-1)
(SCALE:-1:30)

PILE CAP SCHEDULE

SL. NO.	PILE CAP MARKED	PILECAP DIMENSIONS SIZE (L x B)	D	CUT OF PILE	PILECAP REINFORCEMENT a (BOTTOM)	b (BOTTOM)	c (TOP)	d (TOP)	SIDE R/F.
1.	PC-1	2100 / 750	750	-1500	16ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	3-12ϕ EACH FACE SIDE R/F.
2.	PC-1A	750 / 2100	750	-1500	16ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	3-12ϕ EACH FACE SIDE R/F.
3.	PC-2	750 / 1154 / 765 / 15 / 2100	750	-1500	16ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	3-12ϕ EACH FACE SIDE R/F.
4.	PC-3	2100 / 2100	900	-1500	16ϕ @ 100 C/C	16ϕ @ 100 C/C	12ϕ @ 200 C/C	12ϕ @ 200 C/C	4-12ϕ EACH FACE SIDE R/F.
5.	PC-4	5000 / 738 / 3350 / 912 / 5000 / 4590 / 410 / 250 (TYP) / 1950 / 1800	1000	-2425	20ϕ @ 100 C/C	20ϕ @ 100 C/C	16ϕ @ 100 C/C	16ϕ @ 100 C/C	5-12ϕ EACH FACE SIDE R/F.

SCHEDULE OF PILE CAP

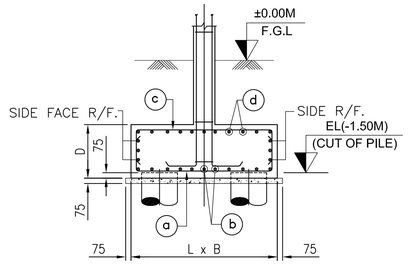
SL. NO	PILE GROUP	NO. OF PILE CAP	NUMBER OF PILE
1.	2P	15 NOS.	30 NOS
2.	3P	11 NOS.	33 NOS
3.	4P	3 NOS.	12 NOS
4.	16P	1 NOS.	16 NOS
TOTAL NUMBER OF PILE – 91 NOS.			

SCHEDULE OF PILE

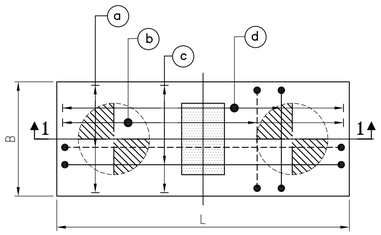
SL. NO	DIA OF PILE	LENGTH OF PILE	CUT OFF LVL.	CAPACITY OF PILE	NUMBER OF PILE
1.	450 ϕ	18.0 m.	(–) 1500 LVL.	35 T	75 NOS.
2.	450 ϕ	18.0 m.	(–) 2425 LVL.	35 T	16 NOS.

COLUMN SCHEDULE (CONC. GRADE M25)

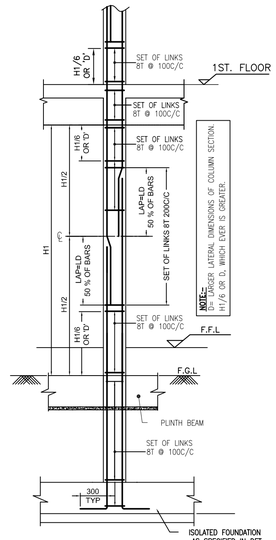
LEVEL \ COL. MKD.	C1, C3, C4, C5, C7, C8, C9, C10, C11, C12, C13, C17, C18, C21, C22, C23, C24, C28, C30, C31 & C32	C14, C15, C19 & C20	C25	C2 & C29	C6	C16	C27	C26
2ND FLOOR TOP TO ROOF LEVEL	300 x 450: 10-ϕ16	300 x 450: 4-ϕ20 + 6-ϕ16	300 x 500: 10-ϕ16	200 x 700: 10-ϕ16	200 x 700: 4-ϕ20 + 6-ϕ16	200 x 900: 10-ϕ16	200 x 700: 4-ϕ20 + 6-ϕ16	300 x 700: 4-ϕ20 + 6-ϕ16
FOUNDATION TO TOP OF 2ND FLOOR LEVEL	300 x 450: 10-ϕ16	300 x 450: 4-ϕ20 + 6-ϕ16	300 x 500: 10-ϕ16	200 x 700: 10-ϕ16	200 x 700: 4-ϕ20 + 6-ϕ16	200 x 900: 10-ϕ16	200 x 700: 10-ϕ20	300 x 700: 10-ϕ20
COL SIZE	300x450	300x450	300x500	200x700	200x700	200x900	200x700	300x700
LINKS AS SPECIFIED.	AS PER TYPICAL COLUMN DETAIL							



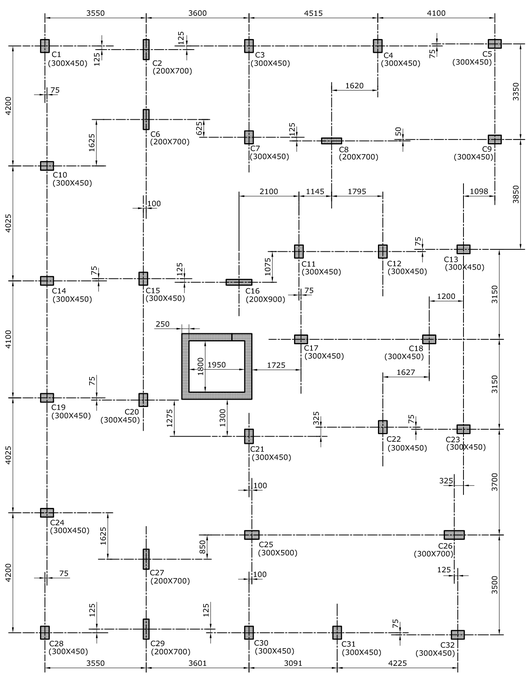
SECTION 1-1



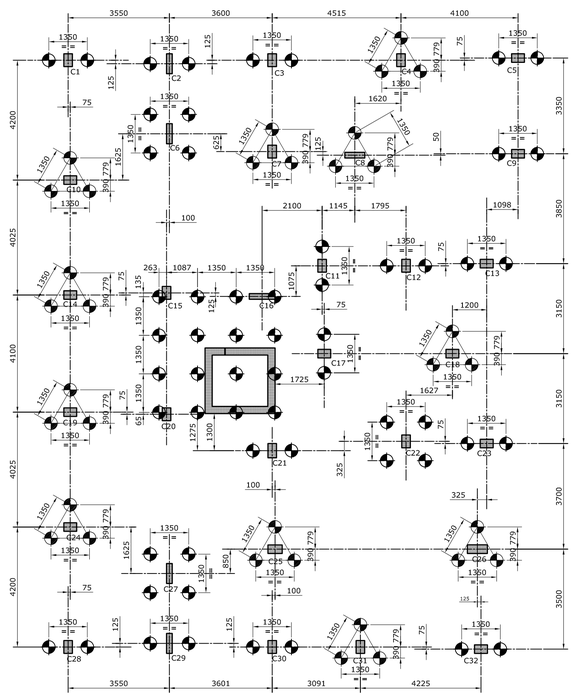
TYP. R.C DETAIL OF PILE CAP



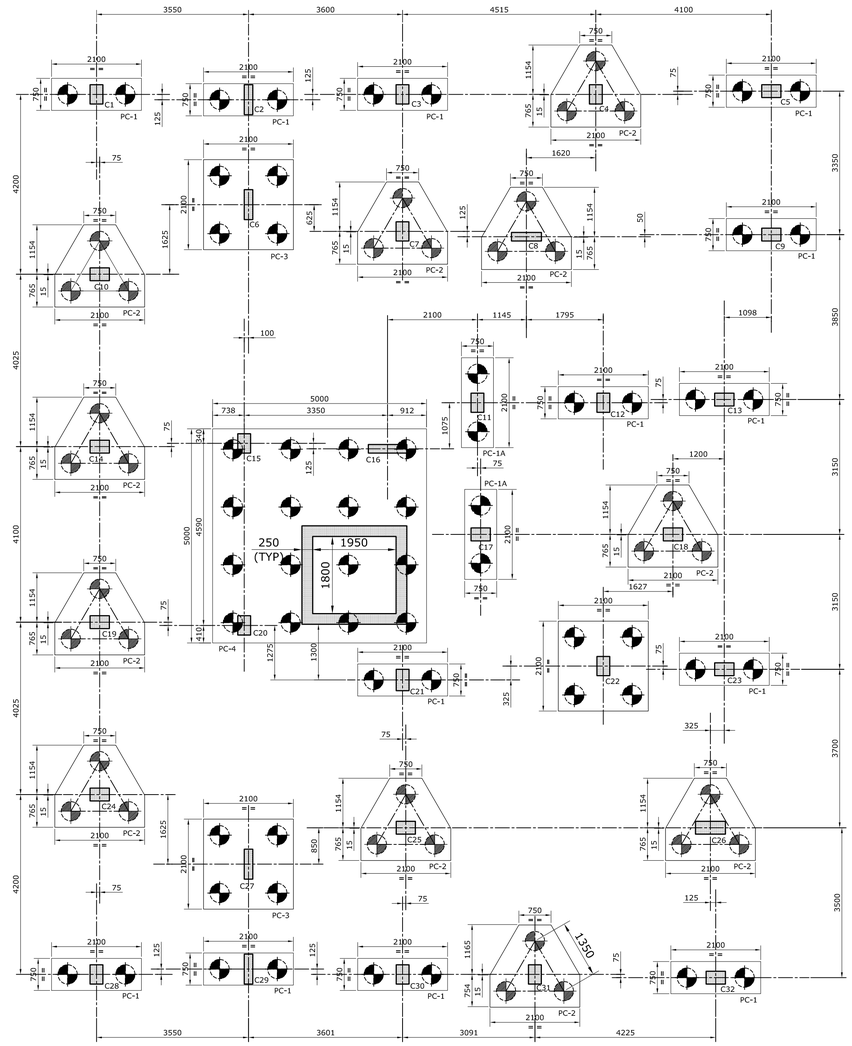
TYPICAL DETAIL OF COLUMN



LAYOUT PLAN OF COLUMN
(SCALE 1:75)



LAYOUT PLAN OF PILE
(SCALE 1:75)



LAYOUT PLAN OF PILE CAP
(SCALE 1:50)

NOTES

NOTES:
PILE INSTALLATION

1. ALL REINFORCEMENT IN PILE SHAFTS TWISTED DEFORMED BARS CONFORM
2. CONC MIX IN PILE SHALL BE M-25 1:2 OF CONC. AND SLUMP OF CONC BET
3. CONCRETE COVER IN PILE SHALL BE PLINTH BEAM 25 mm, FLOOR BEAM
4. POSITIONAL ECCENTRICITY OF ANY P 75 m.m. FOR GROUP OF PILES SHAL
5. ALL LAP JOINTS SHALL BE 50XD AN
6. PILE CAPACITY SHALL BE AS FOLLO

PILE MKD.	DIA
P	450 m.m.

7. THE PILE HEADS SHALL PROJECT IN TO PILE CAP FOR 75 m.m. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
8. CONTRACTOR SHALL NOTE THAT THE PILE CAPACITY, CUT –OFF LEV., AND TERMINATION LEVELS SHOWN IN THIS DRAWING ARE TENTATIVE AND INDICATIVE ONLY. THIS MAY VARY AS PER SITE CONDITONS.
9. ALL PILES SHALL BE BORED CAST-IN-SITU R.C.C. PILES. DRILLING MUD CIRCULATION(DMC) METHOD SHALL BE ADOPTED BY CIRCULATING BENTONITE SLURRY OF SP. GR. 1.04 TO 1.2 gm/cm3
10. CONCRETE SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETING THE PILE BORE. THE BORE HOLE FULL OF DRILLING MUD SHOULD NOT BE LEFT UNCONCRETED FOR MORE THAN 12 HOURS.
11. FOR PLACING CONCRETE IN PILE BORES, A FUNNEL SHOULD BE USED AND METHOD OF CONCRETING SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE BORE IS FILLED UP WITHOUT THE FORMATION OF VOIDS AND /FOR MIXING OF SOIL AND DRILLING FLUID IN CONCRETE.

CLIENT : RMN CONSTRUCTIONS PVT LTD		
PURPOSE OF RELEASE: MUNICIPAL		
STAGE:	MUNICIPAL SUBMISSION	
DIRECTION:	Drawing No: S-2000.01	Current Revision: R0
Start Date:	Issue Date:	Last saved Date:
17-DEC-2023	17-DEC-2023	17-DEC-2023
Project Code:	VIVE-RMN	
Bldng/Block:		
Floor:	-	
Drawing title:	STRUCTURAL DETAIL DRG. SH-1	
File path:		
		SHEET SIZE : A0