

STABILITY CERTIFICATE

The detailed engineering and structure design of the Proposed Construction of High rise Group development building with 29.05m height consisting of 4 Blocks, Block -1: Stilt Floor+6 Floors with 120 dwelling units, Block -2: Stilt Floor+6 Floors with 120 dwelling units, Block -3: Stilt Floor+6 Floor with 114 dwelling units, Block -4: Stilt Floor+6 Floors with 72 (Totally 426 dwelling units) Residential Building at Appavoo Nagar and Subbu Pillai Thottam Phase-1, Mambalam, Chennai in Old S.NO-3/1 Pt, T.S.No-3/3 Block – 29 of Mambalam Village within the limit of Greater Chennai Corporation has been done by me/us based on the report of geotechnical investigation (soil test) done by Dr. C.V. Prasad, Report No. GT-2668 Dated -19.10.2023, and considering the functional requirement of the building.

2. It is certified that among other factors, the proposed building has been designed to resist earthquake. I/We have checked various parameters and found that the proposed building would be safe.

3. I/We further certify that:

(i) The minimum grade for concrete is M-40.

(ii) The design and analysis has been done using the code of practice for plain and reinforced concrete as per IS 456, design loads as per IS Codes and design of earthquake resistant structure as per IS Code No-1893 (PART-1):2016.

4. The building will be safe and sound when used for the purpose for which is designed.



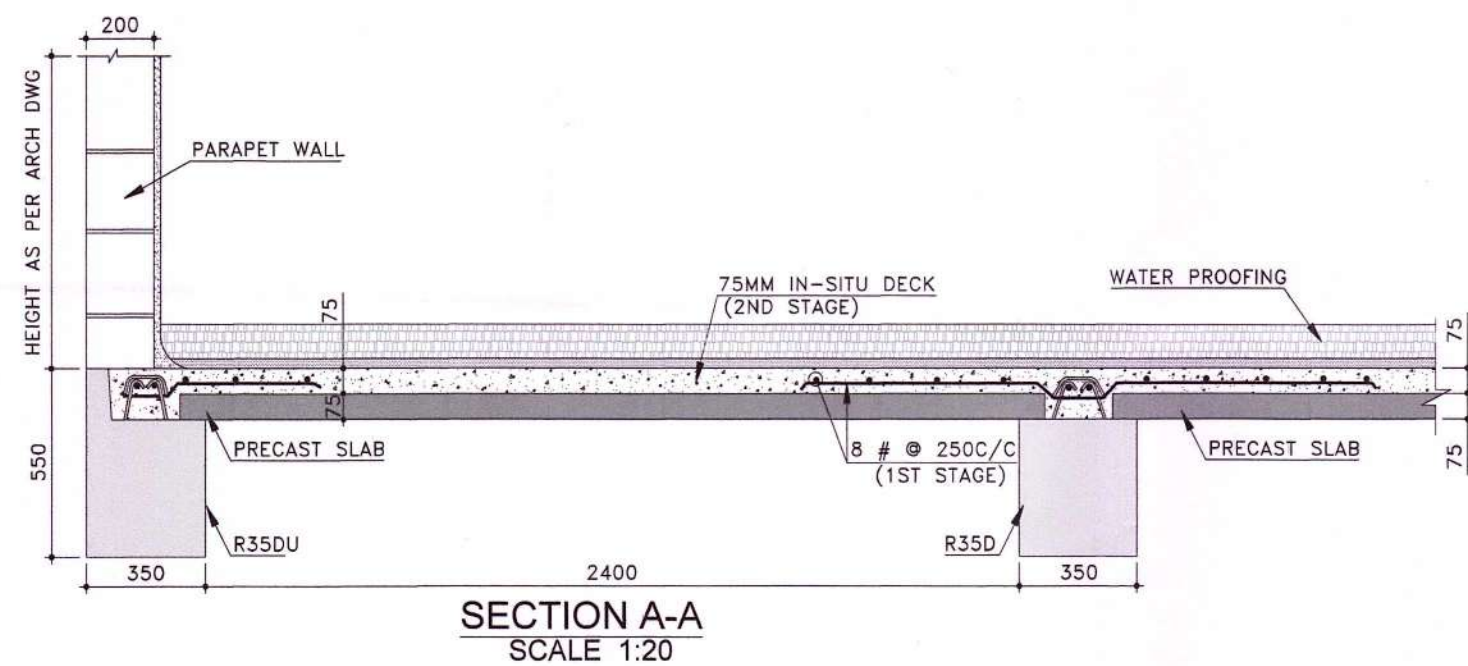
Stamp and Signature
RAVI KUMAR PONAMALA
REG. No: SE / I / 2024 / 6 / 0027
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D:\DATA\MY DESKTOP\13.08.24\20 TENEMENTS FINAL TO SEND TNUHDB\20 TAPPAAVOO NAGAR TYPICAL FRAMING PLAN (20 TENEMENTS).DWG

SCHEDULE OF PRECAST BEAMS AT ROOF SLAB LEVEL										
CLEAR COVER = 30MM, CONC. GRADE = M40, STEEL GRADE = Fe500D										
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		STIRRUPS		
				THRO.	CURTAIN	NEAR	MIDDLE	FAR	END ZONE	MID ZONE
1	RB1	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C
2	RB2	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C
3	RB3	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C
4	RB4	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C
5	RB5	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
6	RB6	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
7	RB7	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
8	RB8	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
9	RB9	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
10	RB10	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
11	RB11	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
12	RB12	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
13	RB13	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
14	RB14	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
15	RB15	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
16	RB16	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
17	RB17	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
18	RB18	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
19	RB19	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
20	RB20	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
21	RB21	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
22	RB22	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
23	RB23	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
24	RB24	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
25	RB25	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
26	RB26	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
27	RB27	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
28	RB28	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
29	RB29	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
30	RB30	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
31	RB31	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
32	RB32	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
33	RB33	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
34	RB34	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
35	RB35	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
36	RB36	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
37	RB37	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
38	RB38	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
39	RB39	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
40	RB40	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
41	RB41	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
42	RB42	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
43	RB43	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
44	RB44	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
45	RB45	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
46	RB46	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
47	RB47	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
48	RB48	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
49	RB49	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
50	RB50	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
51	RB51	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
52	RB52	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
53	RB53	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
54	RB54	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
55	RB55	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
56	RB56	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
57	RB57	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
58	RB58	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
59	RB59	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
60	RB60	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
61	RB61	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
62	RB62	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
63	RB63	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
64	RB64	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
65	RB65	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
66	RB66	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C
67	RB67	R35D	350x550	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 180 C/C	2L-8# @ 180 C/C

SCHEDULE OF PRECAST RCC SLAB AT ROOF SLAB LEVEL										
CLEAR COVER=25MM, CONC. GRADE=M40, STEEL GRADE=Fe500D										
SR. NO.	SLAB ID	SLAB SIZE		COMPOSITE SLAB DECK		MAIN STEEL	DISTRIBUTION STEEL	REMARK		
		SPAN	WIDTH	PRECAST SLAB	IN SITU					
1	RS1	2550	2415	75	75	8# @ 200 C/C	8# @ 250 C/C			
2	RS2	2550	2405	75	75	8# @ 200 C/C	8# @ 250 C/C			
3	RS4	2025	2250	75	75	8# @ 200 C/C	8# @ 250 C/C			
4	RS5	2855	2850	75	75	8# @ 200 C/C	8# @ 250 C/C			
5	RS6	2000	2250	75	75	8# @ 200 C/C	8# @ 250 C/C			
6	RS7	1450	750	75	75	8# @ 200 C/C	8# @ 250 C/C			
7	RS8	2705	3100	75	75	8# @ 200 C/C	8# @ 250 C/C			
8	RS9	2100	4100	75	75	8# @ 150 C/C	8# @ 250 C/C			
9	RS10	700	600	75	75	8# @ 200 C/C	8# @ 250 C/C			
10	RS11	1650	3240	75	75	8# @ 150 C/C	8# @ 250 C/C			
11	RS12	2100	3075	75	75	8# @ 200 C/C	8# @ 250 C/C			
12	RS13	1650	3305	75	75	8# @ 150 C/C	8# @ 250 C/C			
13	RS14	1650	3615	75	75	8# @ 150 C/C	8# @ 250 C/C			
14	RS15	2100	2875	75	75	8# @ 200 C/C	8# @ 250 C/C			
15	RS18	2780	2850	75	75	8# @ 175 C/C	8# @ 250 C/C			
16	RS19	2550	2380	75	75	8# @ 200 C/C	8# @ 250 C/C			
17	RS20	925	525	75	75	8# @ 200 C/C	8# @ 250 C/C			
18	S21	1050	2805	75	75	8# @ 150 C/C	8# @ 250 C/C			
19	RS22	2730	2850	75	75	8# @ 200 C/C	8# @ 250 C/C			
20	RS24	875	525	75	75	8# @ 200 C/C	8# @ 250 C/C			
21	RS25	2550	2365	75	75	8# @ 200 C/C	8# @ 250 C/C			
22	RS26/RS26A	1075	2025	75	75	8# @ 200 C/C	8# @ 250 C/C			
23	RS27/RS27A	875	2390	75	75	8# @ 200 C/C	8# @ 250 C/C			
24	STR-1	3050	1425	125	55	10# @ 150 C/C	8# @ 230 C/C			
25	STR-2	3050	1425	125	55	10# @ 150 C/C	8# @ 230 C/C			

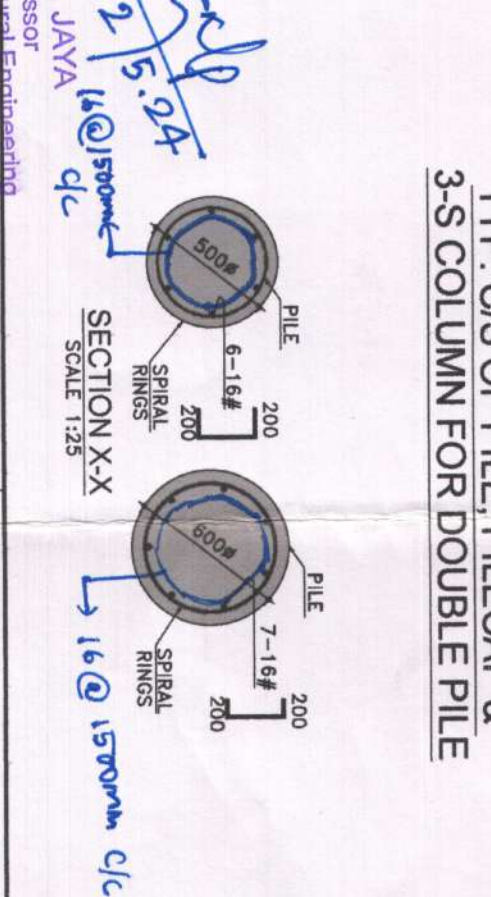
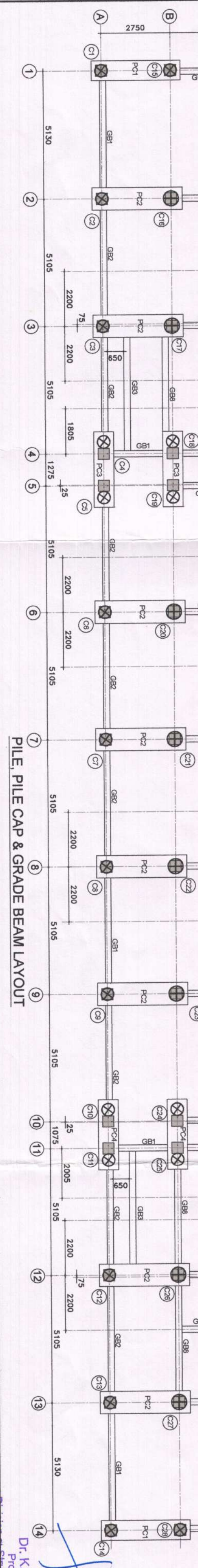
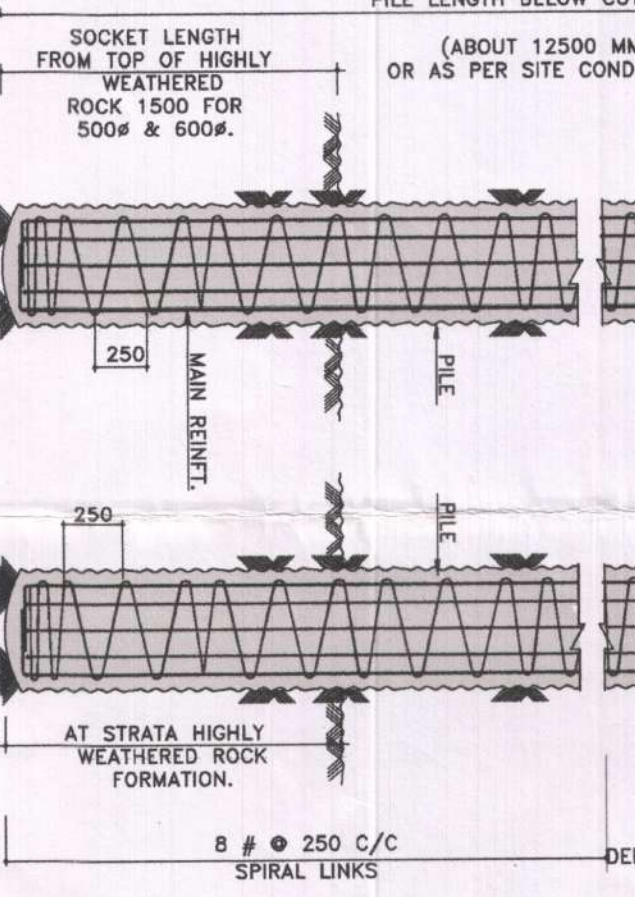
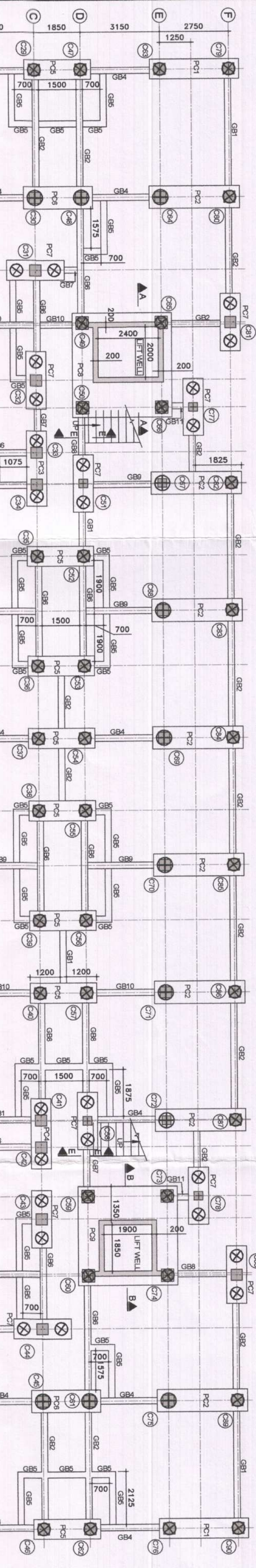
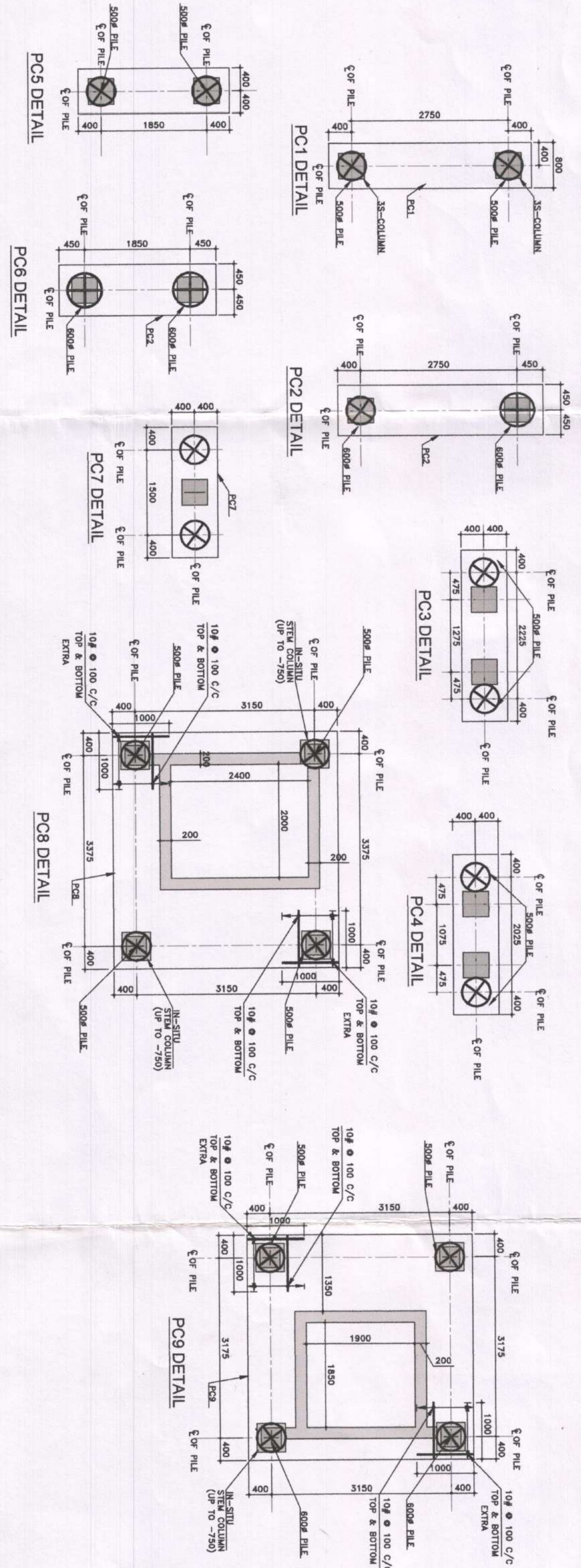
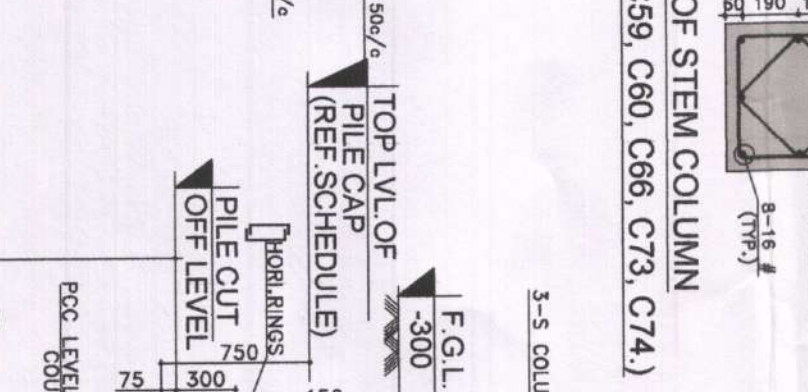
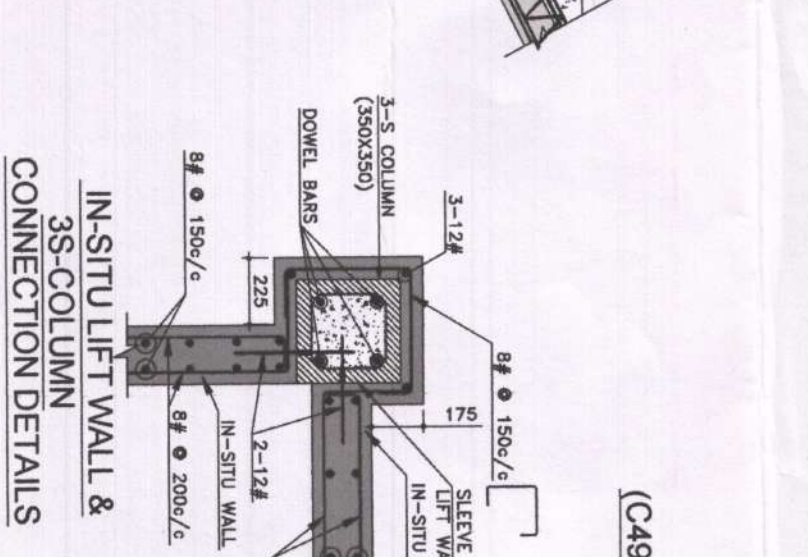
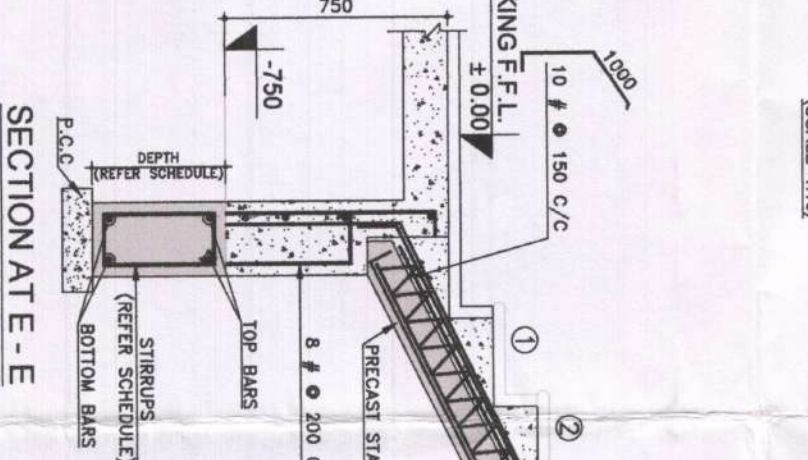
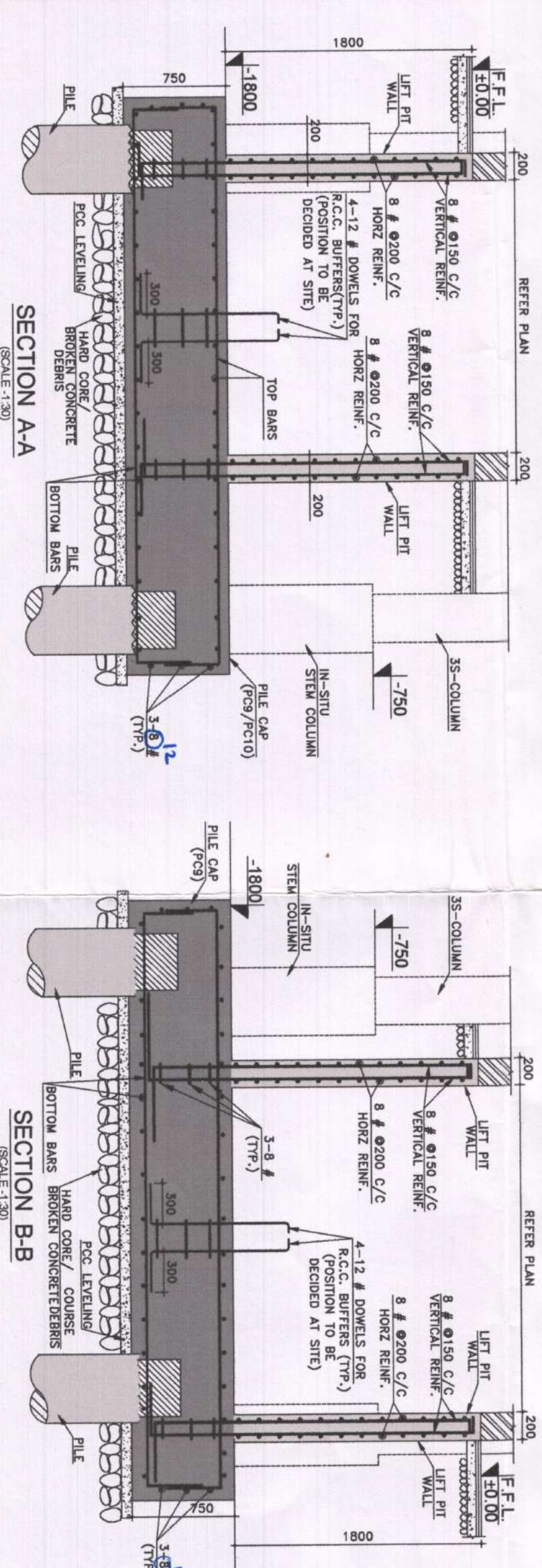
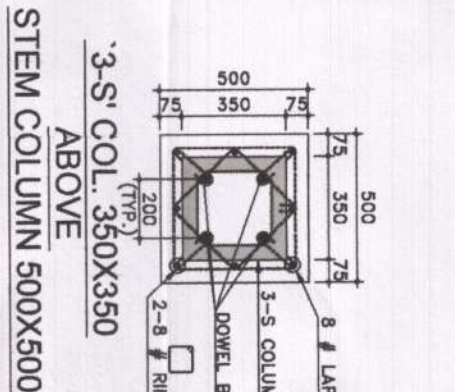
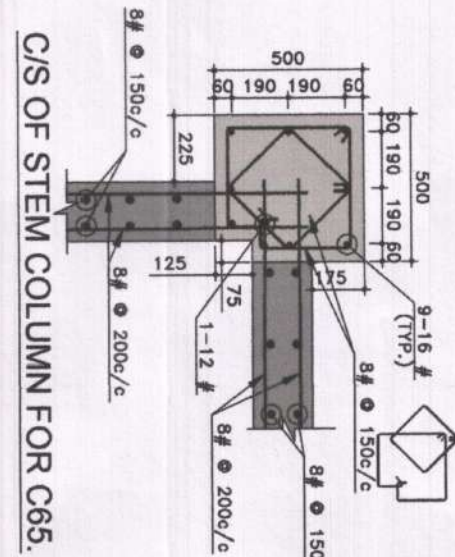
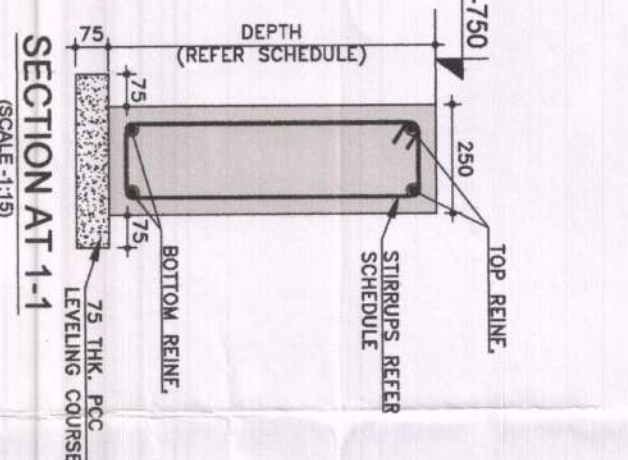
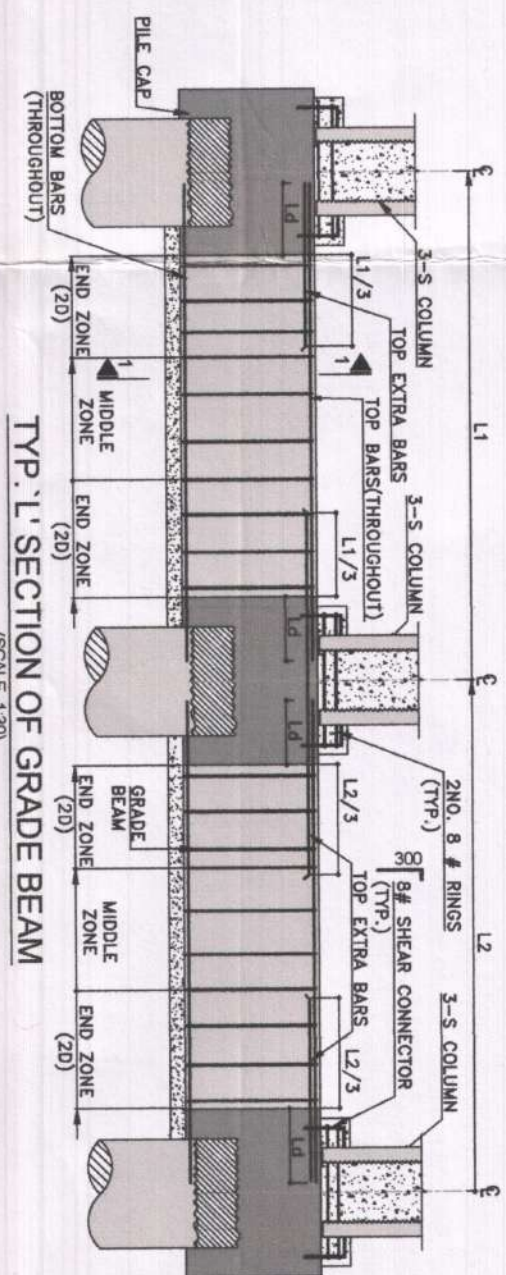
SCHEDULE OF '3-S' COLUMN						
CLEAR COVER 50mm, CONC. GRADE M40, STEEL GRADE - Fe500D.						
SR. NO.	COLUMN NO.	6TH FLOOR COLUMN SIZE	MAIN REINF.	LATERAL TIES		REMARK
				END ZONE	MID ZONE	
1	C2, C3, C4, C6, C7, C8, C9, C11, C12, C13, C80, C82, C83, C84, C85, C86, C89	350x350	4-16#	8# @ 75 C/C	8# @ 175 C/C	
2	C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C30, C40, C45, C50, C51, C58, C59, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C74, C75, C76	350x350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
3	C1, C5, C10, C14, C29, C31, C32, C33, C34, C35, C36, C37, C38, C39, C41, C42, C43, C44, C46, C47, C48, C49, C52, C53, C54, C55, C56, C57, C60, C61, C62, C73, C77, C78, C79, C81, C87, C88, C90	350x350	4-20#	8# @ 75 C/C	8# @ 175 C/C	



SCHEDULE OF PILE & PILE CAP												
BORED CAST-IN-ITU PILE				CAST-IN-ITU PILE CAP								
SR.	COLUMN NOS	DATE OF PILE	MAIN REIN#	PILE CAP ID	L	B	D	BOTTOM	TOP	VERTICAL RINGS	HORIZONTAL RINGS	PILE CAP TOP
1.	C14/C15/C16/C18/C19/C20/C21/C22/C23/C24/C25/C26/C27/C28/C29	2-300#	6-16#	PC1	3500	800	750	8-16#	5-16#	2L-8# @ 100 C/C	1L-8#	-750
2.	C14/C15/C16/C18/C19/C20/C21/C22/C23/C24/C25/C26/C27/C28/C29	1-300# + 1-600#	6-16# (PC100 500) + 7-16# (PC100 600)	PC2	3600	900	750	9-16#	9-13#	2L-8# @ 100 C/C	1L-13#	-750
3.	C17/C18/C19/C20/C21/C22/C23/C24/C25/C26/C27/C28/C29	2-300#	6-16#	PC3	3005	800	750	8-16#	6-16#	4L-8# @ 100 C/C	3L-8#	-750
4.	C17/C18/C19/C20/C21/C22/C23/C24/C25/C26/C27/C28/C29	2-300#	6-16#	PC4	2605	800	750	8-16#	6-16#	4L-8# @ 100 C/C	3L-8#	-750
5.	C24/C25/C26/C27/C28/C29/C30/C31/C32/C33/C34	2-300#	6-16#	PC5	2600	800	750	8-16#	8-13#	4L-8# @ 100 C/C	3L-13#	-750
6.	C30/C31/C32/C33/C34/C35/C36/C37/C38/C39	2-300#	7-16#	PC6	2700	800	750	9-16#	9-12#	2L-8# @ 100 C/C	1L-12#	-750
7.	C31/C32/C33/C34/C35/C36/C37/C38/C39	2-300#	7-16#	PC7	2700	800	750	9-16#	8-12#	2L-8# @ 100 C/C	1L-12#	-750
8.	C39/C30/C31/C32/C33/C34/C35/C36/C37/C38/C39	4-300#	6-16# (PC100 500) + 7-16# (PC100 600)	PC8	3500	900	750	9-16#	9-13#	2L-8# @ 100 C/C	1L-13#	-1800
9.	C39/C30/C31/C32/C33/C34/C35/C36/C37/C38/C39	4-300#	6-16# (PC100 500) + 7-16# (PC100 600)	PC9	3500	900	750	9-16#	9-13#	2L-8# @ 100 C/C	1L-13#	-1800

GRADE BEAM DETAILS									
ST. BEA	BEAM	BOTTOM REINFORCEMENT	TOP THROUGH REINF.	TOP EXTRA REINF.	STRUTS				
NO. ID	SIZE	THRUOUT BARS			END ZONE	MID ZONE			
1	681	250x250	3.56m	3.16m	2.39m	2.1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
2	682	250x250	2.31m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
3	683	250x250	2.31m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
4	684	250x250	2.16m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
5	685	250x250	3.16m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
6	686	250x250	3.56m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
7	687	250x250	2.16m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
8	688	250x250	2.31m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
9	689	250x250	2.31m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.
10	6910	250x250	2.31m	2.16m	2.39m	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.	2. 1. 2. 3. 4.

SCHEDULE OF COLUMB BARS (FOR PIPE CAP LV. TO 3S COLUMN CONNECTION)			
SR. NO	COLUMN	COLUMN DIAMETER	SIZE
1	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100	425mm	425x425
2	C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197, C198, C199, C200	300x300	425mm



• GENERAL NOTES:

2. ONLY THE FOLLOWING DIMENSIONS SHALL BE FOLLOWED.
3. USE REINFORCEMENT STEEL OF PASTORO GRADE CONFORMING TO: S 1786
4. CLEAR COVER TO REINFORCEMENT FOR PILES-5' IS 6" FOR TOP AND BOTTOM OF CONCRETE.
5. DEVELOPMENT LENGTH = L_{DEVL} LENGTH = 36 S FOR TOP AND BOTTOM OF CONCRETE.
6. USE CONCRETE GRADE 4000 FOR PILES, THE CONCRETE SHALL BE PLACED IN 12" LAYER.
7. USE 100% PORTLAND CEMENT, 100% PORTLAND CEMENT SLABBY CONCRETE AS PER CHINA CODES AND STANDARDS, 100% PORTLAND CEMENT SHALL BE USED FOR REINFORCEMENT IN STRUCTURE.
8. ALL OTHER ITEMS SHALL BE AS PER WORK SPECIFICATION.
9. ALL THE DIMENSIONS & CENTRE LINES SHALL BE VERIFIED FROM ARCH.
10. BORED CAST IN SITU PILE SHALL BE INSTALLED BY DIRECT AND CIRCULATION TECHNIQUE OR BY USING ROTARY RIG.
11. A MINIMUM GUDGE GROUND OF 3.0M SHALL BE USED FOR THE BORING.
12. THE PILE SHALL BE CASTED IN 12" LAYER, THE TOP SHALL BE 12" FROM THE SURFACE OF MORE THAN 50CM AND JUDID JAIL MORE THAN 10CM, THE SILL CONTENT IN REINFORCE SHALL NOT MORE THAN 5.0% AND 2.0%.
13. AFTER FINISHING THE BORING, THE TERMINATION DEPTH, THE BORING SHALL BE CLEARED USING AND CIRCULATION FOR A MINIMUM PERIOD OF 30 MINUTE ON THE BORE HOLE IS CLEAN, THE TRIPLE PIPE SHALL BE LOWERED AND CONCRETE SHALL BE DONE.
14. PILES ARE INSTALLED IN BOTH HORIZONTAL DIRECTION.
15. PILES ARE INSTALLED IN BOTH HORIZONTAL DIRECTION BY THE BEAM AS SHOWN IN ROUTINE PILE LOAD TEST SHALL BE CONDUCTED ON 1.5% RANDOMLY SELECTED PILE, FOR 3 TIMES WORKING LOAD AS PER IS2811 PART-4.

[illegible]

DG TYPE:- PHASE-1, BLOCK-2 (S+6) 20 | ELEMENI'S / FLOOR

TEL: 020-26708100 | FAX: 020-26671612 | E-MAIL: design@shrike.co.in

NO. 0023	LOCATION	(BLOCK-01, 02, 03 & 04) OF MAMBALAM VILLAGE .
DRG. TITLE	PILE, PILE CAP, GRADE BEAM LAYOUT & DETAILS (OPTION)	
REV. NO		

No.	UO-23/AP/BLN-2/SUS/IR-1A	R-0
11		12

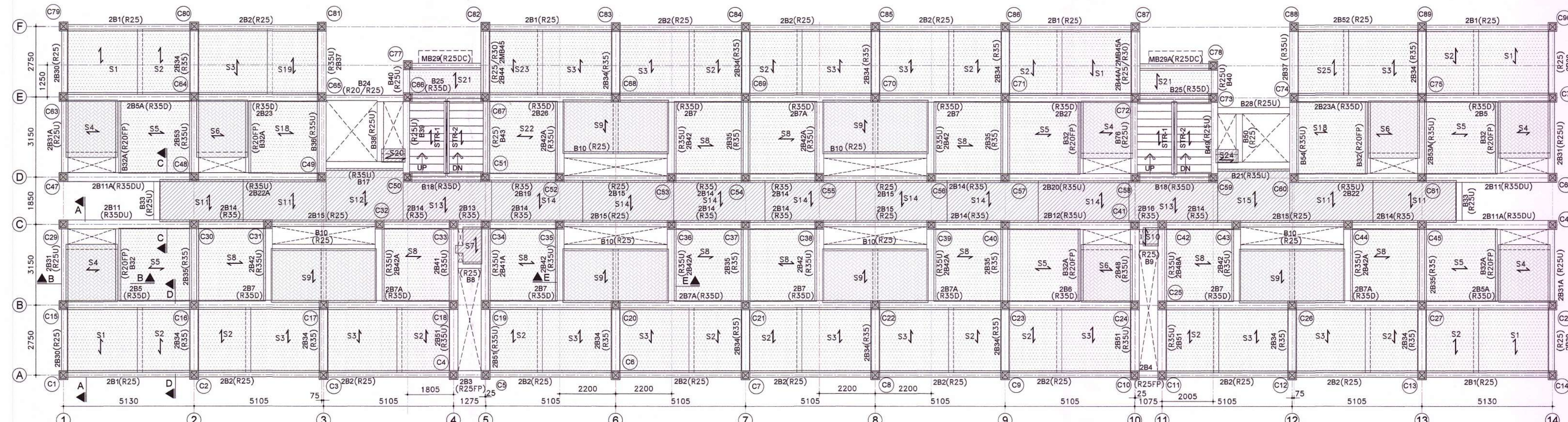
Jim
CHIEF ENGINEER
1000

TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD
6, Kamarajar Salai, Chennai-600 005.

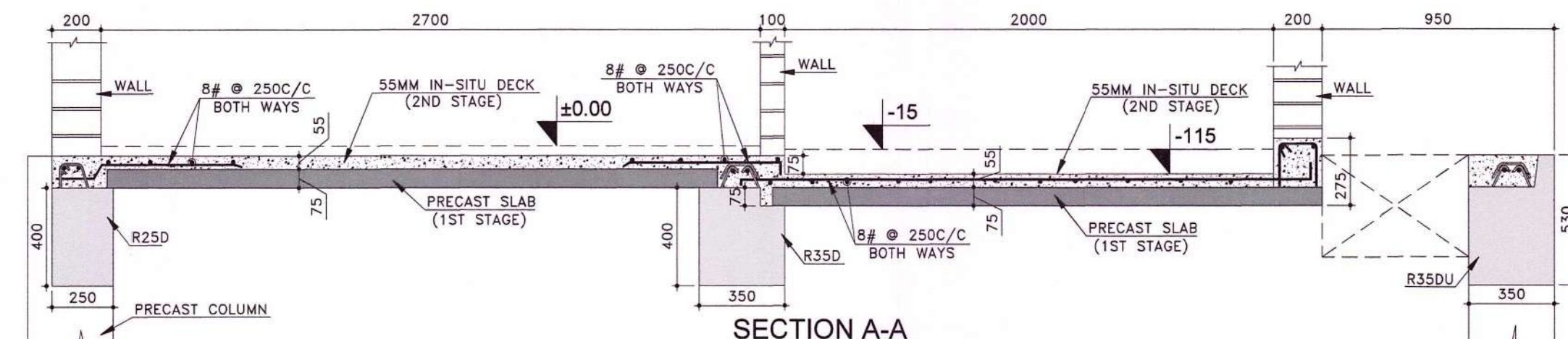
SCHEDULE OF PRECAST BEAMS AT 2ND TO 6TH FLOOR SLAB LEVEL									
SR. NO.	BEAM TYPE	MOULD NO.	BEAM SIZE	CLEAR COVER = 30MM, CONC. GRADE = M40, STEEL GRADE = Fe6000		TOP REINFORCEMENT		STIRRUPS	
				BOTTOM	CURTAIN	NEAR	MIDDLE	FAR	END ZONE
1	2B1	R25	250x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
2	2B2	R25	250x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
3	2B3	R25FP	250x415	2-20#	-	2-16#	2-16#	2-16#	2-16#
4	2B4	R25FP	250x415	2-20#	-	2-16#	2-16#	2-16#	2-16#
5	2B5	R35D	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
6	2B5A	R35D	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
7	2B6	R35D	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
8	2B7	R35D	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
9	2B7A	R35D	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
10	B8	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
11	B9	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
12	B10	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
13	2B11	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
14	2B11A	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
15	2B12	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
16	2B13	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
17	2B14	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
18	2B15	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
19	2B16	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
20	B17	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
21	B18	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
22	2B19	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
23	2B20	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
24	B21	R35DU	350x530	2-16#	-	2-16#	2-16#	2-16#	2-16#
25	2B22	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
26	2B22A	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
27	2B23	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
28	2B23A	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
29	B24	R20/R25	200/250x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
30	B25	R35DU	350x530	4-16#	-	2-20#	2-16#	2-20#	2-16#
31	2B26	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
32	2B27	R35DU	350x530	2-20#	-	2-20#	2-16#	2-20#	2-16#
33	B28	R25U	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
34	MB29	R25DC	250x530	2-16#	-	2-20#	2-16#	2-20#	2-16#
35	MB29A	R25DC	250x530	2-16#	-	2-20#	2-16#	2-20#	2-16#
36	B30	R25U	250x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
37	B31	R25U	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
38	B31A	R25U	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
39	B32	R20FP	200x300	2-16#	-	2-16#	2-16#	2-16#	2-16#
40	B32A	R20FP	200x300	2-16#	-	2-16#	2-16#	2-16#	2-16#
41	B33	R25U	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
42	B34	R35	350x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
43	B35	R35	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
44	B36	R35U	350x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
45	B37	R35U	350x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
46	B38	R25U	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
47	B39	R25U	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
48	B40	R25U	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
49	B41	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
50	B41A	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
51	B42	R35U	350x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
52	B42A	R35U	350x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
53	B43	R25	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
54	B44	R25	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
55	B44A	R25	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
56	MB45	R30	300x430	4-20#	-	2-16#	2-16#	2-16#	2-16#
57	MB45A	R30	300x430	4-20#	-	2-16#	2-16#	2-16#	2-16#
58	B48	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
59	B48A	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
60	B49	R25U	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
61	B50	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2-16#
62	B51	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
63	B52	R25	250x430	2-20#	-	2-20#	2-16#	2-20#	2-16#
64	B53	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
65	B53A	R35U	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
66	B54	R35	350x430	2-20#	-	2-16#	2-16#	2-16#	2-16#
67	B76	R25U	250x430	2-20#	-	2-16#	2-16#	2-16#	2-16#

SCHEDULE OF PRECAST RCC SLAB AT 2nd to 6th SLAB LEVEL									
SR.NO	SLAB ID	SLAB SIZE		COMPOSITE SLAB DECK		MAIN STEEL	DISTRIBUTION STEEL	REMARK	
		SPAN	WIDTH	PRECAST SLAB	IN SITU				
1	S1	2550	2755	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
2	S2	2550	2075	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
3	S3	2550	2730	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
4	S4	2025	2250	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
5	S5	2855	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
6	S6	2000	2250	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
7	S7	1450	750	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
8	S8	2705	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
9	S9	2100	4150	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
10	S10	700	600	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
11	S11	1650	3055	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
12	S12	2100	3025	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
13	S13	1650	3482	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
14	S14	1650	3585	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
15	S15	2100	2825	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
16	S16	2755	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
17	S17	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
18	S20	925	525	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
19	S21	1050	2805	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
20	S22	2730	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
21	S23	2550	2100	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
22	S24	875	525	75	55	8 # @ 150 C/C	8 # @ 250 C/C		
23	S25	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C		
24	STR-1	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE	
25	STR-2	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE	

SCHEDULE OF '3-S' COLUMN									
SR. NO	COLUMN NO.	1ST FLOOR COLUMN		2ND TO 6TH FLOOR COLUMN		LATERAL TIES		REMARK	
		COLUMN SIZE	MAIN REINF.	COLUMN SIZE	MAIN REINF.	END ZONE	MID ZONE		
1	C2, C3, C4, C6, C7, C8, C9, C11, C12, C13, C80, C82, C83, C84, C85, C86, C89	350X350	4-16#	350X350	4-16#	8# @ 75 C/C	8# @ 175 C/C		
2	C15, C16, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C30, C40, C45, C50, C59, C63, C64, C66, C68, C69, C70, C71, C76	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C		
3	C1, C3, C10, C14, C25, C31, C32, C33, C34, C35, C36, C37, C38, C39, C41, C42, C43, C44, C46, C47, C48, C49, C52, C53, C54, C55, C56, C57, C60, C61, C62, C73, C77, C78, C79, C81, C87, C88, C90	350X350	4-20#	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C		
4	C85, C51, C55, C67, C72, C74	350X350	4-25# + 4-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C		
5	C27, C75	350X350	8-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C		
6	C58	350X350	8-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C		
7	C17	450X450	4-25# + 4-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C		

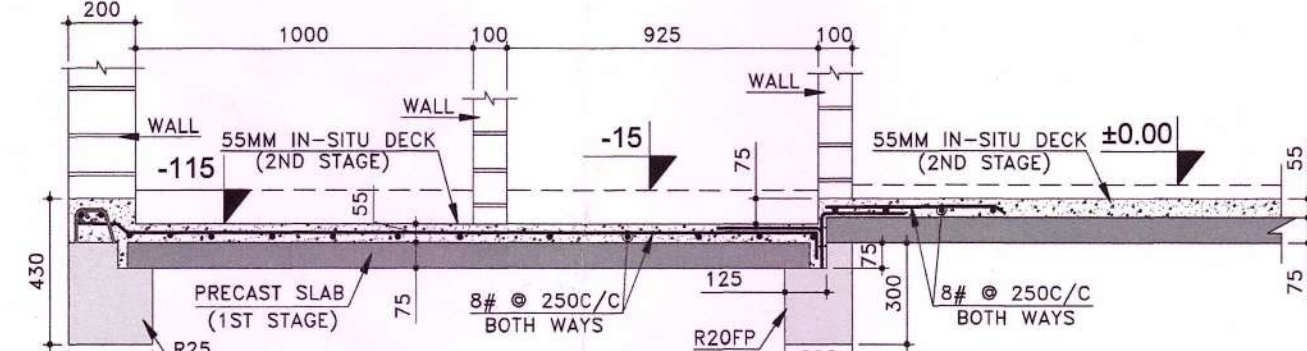


FRAMING PLAN AT 2nd to 6th SLAB LVL.



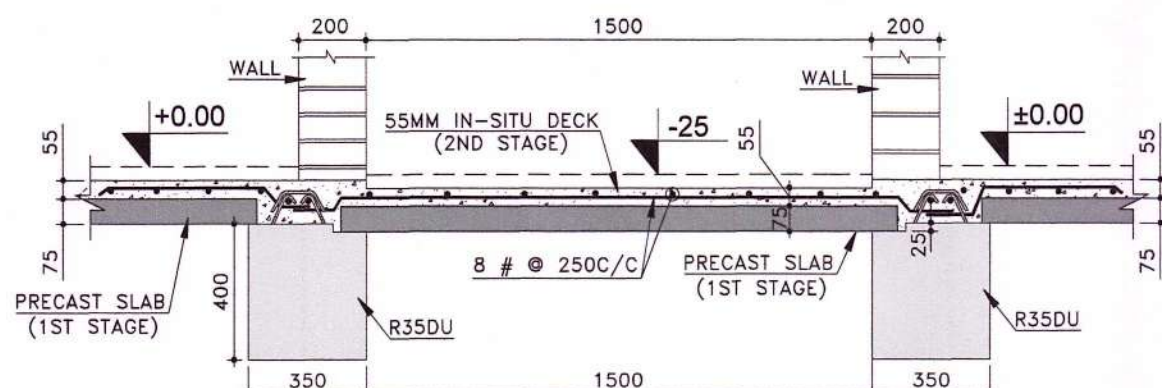
SECTION A-A

SCALE 1:20



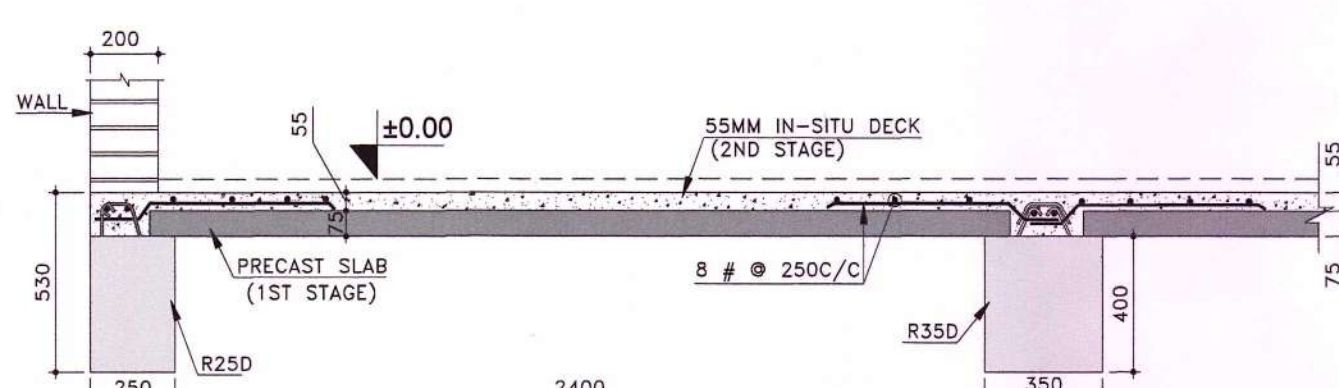
SECTION B-B

SCALE 1:20



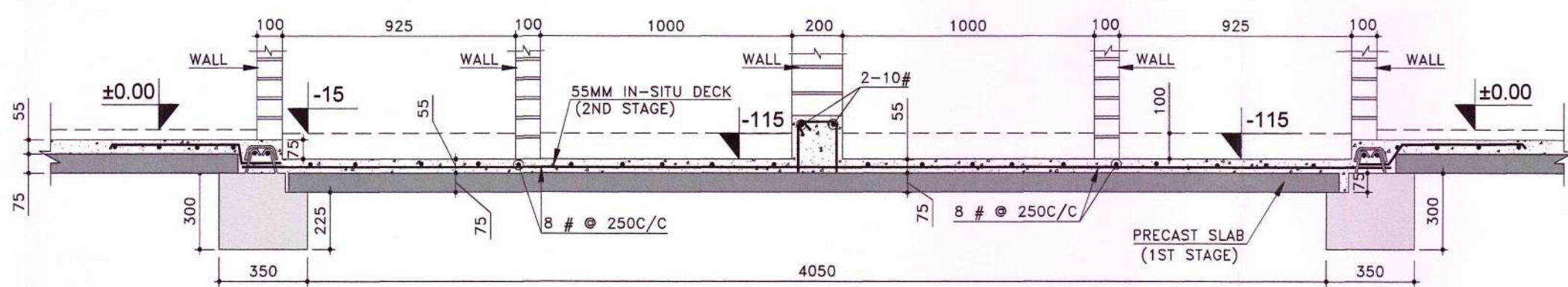
SECTION C-C

SCALE 1:20



SECTION D-D

SCALE 1:20

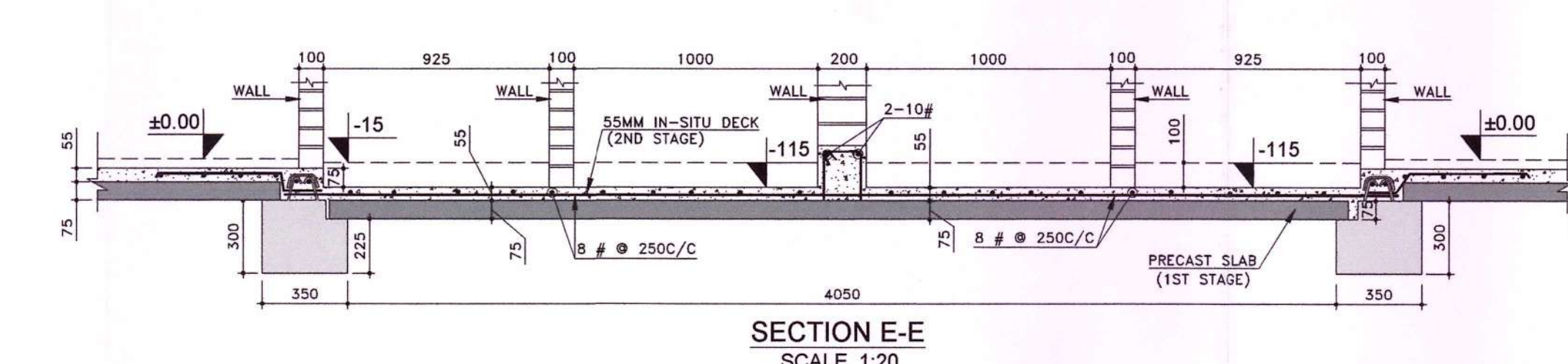
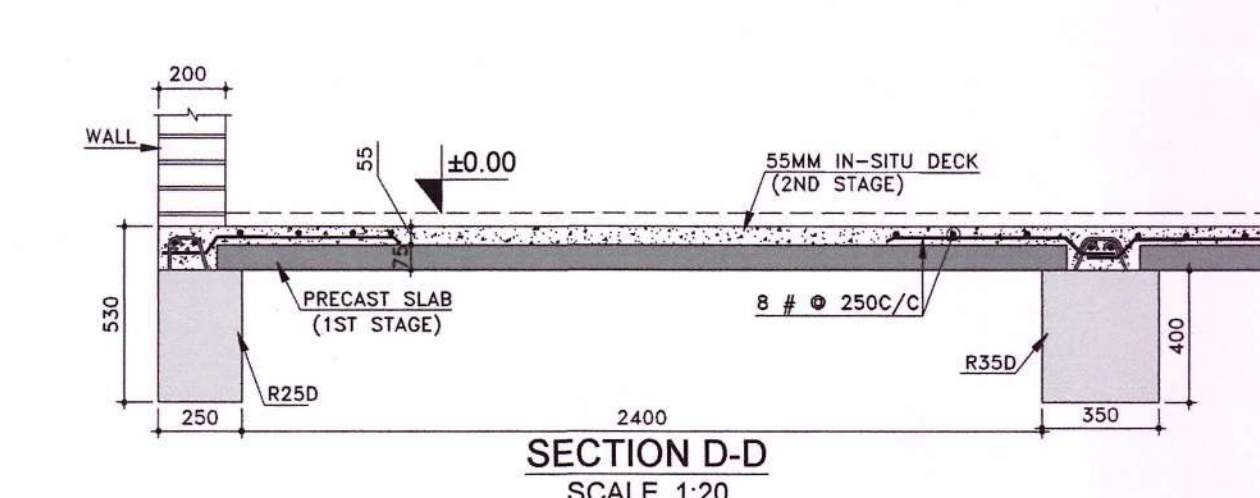
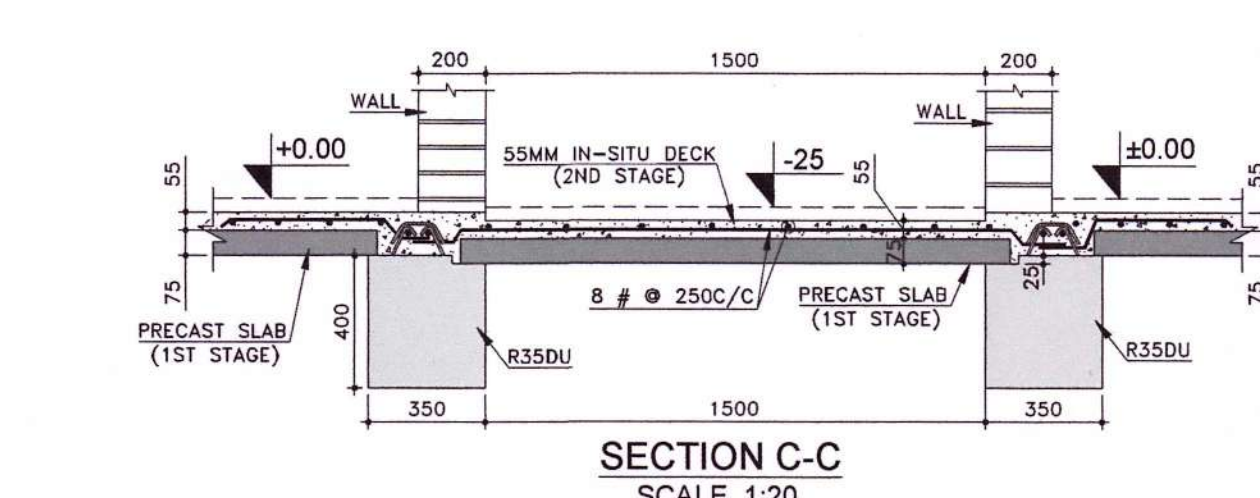
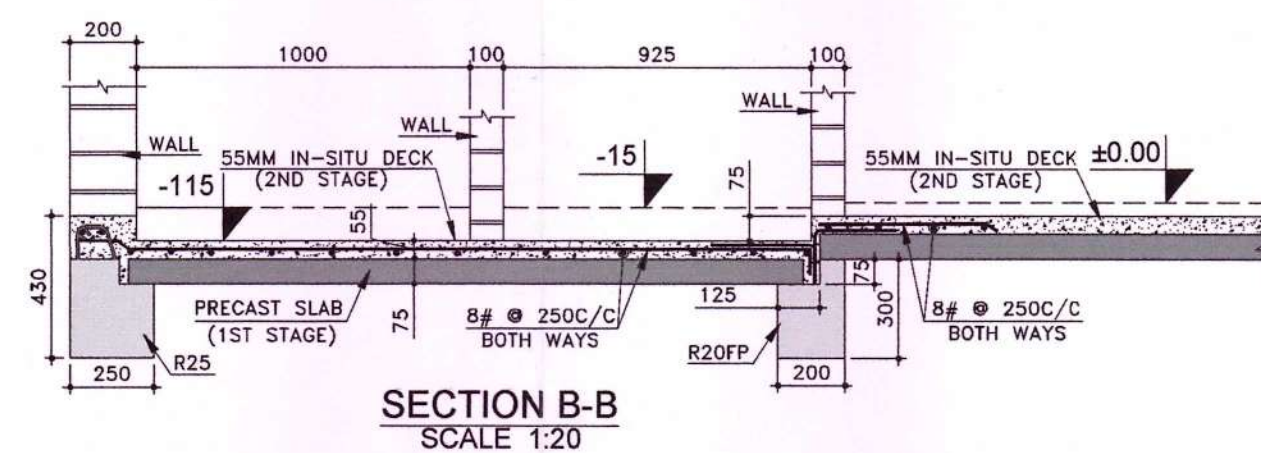
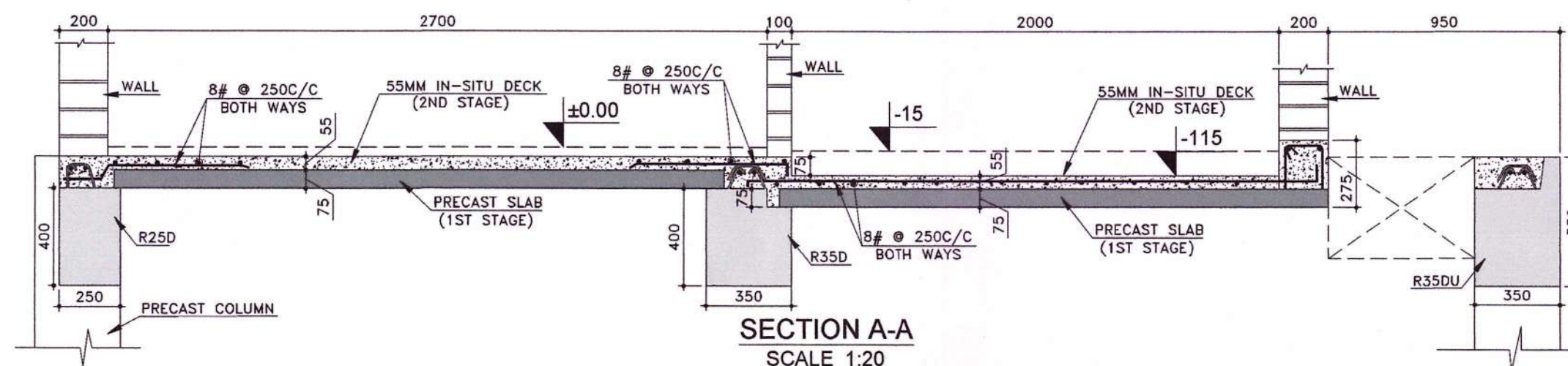


SECTION E-E

SCALE 1:20

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SCHEDULE OF PRECAST BEAMS AT 2ND TO 6TH FLOOR SLAB LEVEL										
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT	CURTAIN	NEAR	MIDDLE	FAR	END ZONE	MID ZONE
1	2B1	R25	250x430	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 160 C/C
2	2B2	R25	250x430	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 160 C/C
3	2B3	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2L-8# @ 85 C/C	-
4	2B4	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2L-8# @ 85 C/C	-
5	2B5	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 110 C/C
6	2B6	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 110 C/C
7	2B7	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
8	2B8	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
9	2B9	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
10	2B10	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
11	8	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2L-8# @ 120 C/C	-
12	8	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2L-8# @ 120 C/C	-
13	8	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2L-8# @ 120 C/C	-
14	2B11	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
15	2B12	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
16	2B13	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
17	2B14	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
18	2B15	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
19	2B16	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
20	2B17	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
21	2B18	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
22	2B19	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
23	2B20	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
24	2B21	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
25	2B22	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
26	2B23	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
27	2B24	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
28	2B25	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
29	2B26	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
30	2B27	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
31	2B28	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
32	2B29	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
33	2B30	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
34	2B31	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
35	2B32	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
36	2B33	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
37	2B34	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
38	2B35	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
39	2B36	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
40	2B37	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
41	2B38	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
42	2B39	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
43	2B40	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
44	2B41	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
45	2B42	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
46	2B43	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
47	2B44	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
48	2B45	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
49	2B46	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
50	2B47	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
51	2B48	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
52	2B49	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
53	2B50	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
54	2B51	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
55	2B52	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
56	2B53	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
57	2B54	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
58	2B55	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
59	2B56	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
60	2B57	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
61	2B58	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
62	2B59	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
63	2B60	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
64	2B61	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
65	2B62	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
66	2B63	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
67	2B64	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
68	2B65	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
69	2B66	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
70	2B67	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
71	2B68	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
72	2B69	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
73	2B70	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C
74	2B71	R35	350x530	2-20#	-	2-20#	2-16#	2-20#	2L-8# @ 90 C/C	2L-8# @ 120 C/C

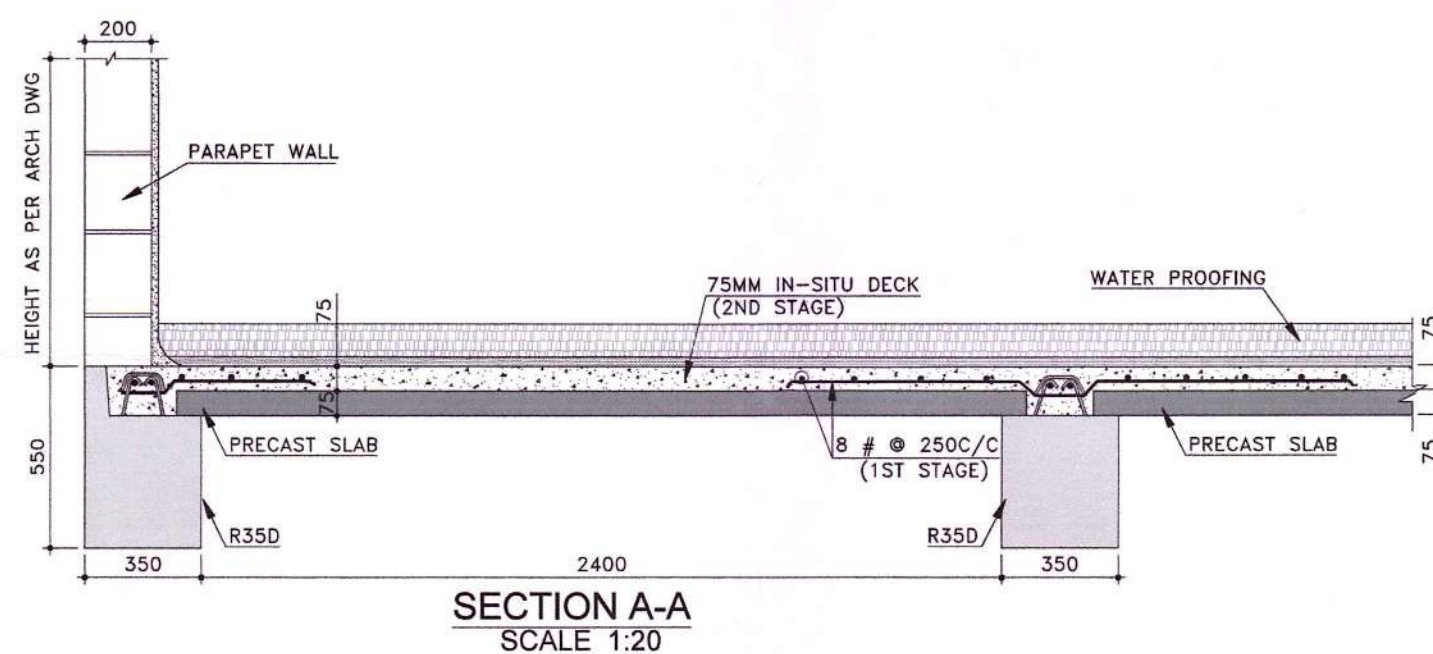


SCHEDULE OF PRECAST RCC SLAB AT 2nd TO 6th SLAB LEVEL										
SR. NO.	SLAB ID	SLAB SIZE	COMPOSITE SLAB DECK	MAIN STEEL	DISTRIBUTION STEEL	REMARK				
		SPAN / WIDTH	PRECAST SLAB IN SITU							
1	S1	2550 x 2750	75	35	8# @ 200 C/C	8# @ 250 C/C				
2	S2	2550 x 2075	75	35	8# @ 200 C/C	8# @ 250 C/C				
3	S3	2550 x 2750	75	35	8# @ 200 C/C	8# @ 250 C/C				
4	S4	2025 x 2250	75	35	8# @ 200 C/C	8# @ 250 C/C				
5	S5	2855 x 2850	75	35	8# @ 200 C/C	8# @ 250 C/C				
6	S6	2000 x 2250	75	35	8# @ 200 C/C	8# @ 250 C/C				
7	S7	1450 x 750	75	35	8# @ 200 C/C	8# @ 250 C/C				
8	S8	2705 x 2850	75	35	8# @ 200 C/C	8# @ 250 C/C				
9	S9	2100 x 4150	75	35	8# @ 150 C/C	8# @ 250 C/C				
10	S10	700 x 600	75	35	8# @ 150 C/C	8# @ 250 C/C				
11	S11	1650 x 3265	75	35	8# @ 150 C/C	8# @ 250 C/C				
12	S12	1650 x 3180	75	35	8# @ 150 C/C	8# @ 250 C/C				
13	S13	2100 x 3025	75	35	8# @ 150 C/C	8# @ 250 C/C				
14	S14	1650 x 3482	75	35	8# @ 150 C/C	8# @ 250 C/C				
15	S15	1650 x 3582	75	35	8# @ 150 C/C	8# @ 250 C/C				
16	S16	2100 x 2825	75	35	8# @ 150 C/C	8# @ 250 C/C				
17	S17	1650 x 3275	75	35	8# @ 150 C/C	8# @ 250 C/C				
18	S18	2755 x 2850	75	35	8# @ 200 C/C	8# @ 250 C/C				
19	S19	2550 x 2000	75	35	8# @ 200 C/C	8# @ 250 C/C				
20	S20	925 x 525	75	35	8# @ 200 C/C	8# @ 250 C/C				
21	S21	1050 x 2805	75	35	8# @ 150 C/C	8# @ 250 C/C				
22	S22	2730 x 2850	75	35	8# @ 200 C/C	8# @ 250 C/C				
23	S23	2550 x 2100	75	35	8# @ 200 C/C	8# @ 250 C/C				
24	S24	875 x 525	75	35	8# @ 150 C/C	8# @ 250 C/C				
25	S25	2550 x 2000	75	35	8# @ 200 C/C	8# @ 250 C/C				
26	STR-1	3050 x 1425	125	55	10# @ 150 C/C	8# @ 230 C/C	STAIRCASE			</

SCHEDULE OF PRECAST BEAMS AT ROOF SLAB LEVEL										
CLEAR COVER=30MM, CONC. GRADE=M40, STEEL GRADE=Fe500D										
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT	TOP REINFORCEMENT			STIRRUPS		
				THRO.	NEAR	MIDDLE	FAR	END ZONE	MID ZONE	
1	RB1	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
2	RB2	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
3	RB3	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
4	RB4	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
5	RB5	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 90C/C	2L-8# @ 180 C/C	
6	RB6	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 90C/C	2L-8# @ 180 C/C	
7	RB7	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 100C/C	2L-8# @ 180 C/C	
8	RB8	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 100C/C	2L-8# @ 180 C/C	
9	RB9	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
10	RB10	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
11	RB11	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
12	RB12	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
13	RB13	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
14	RB14	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
15	RB15	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
16	RB16	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
17	RB17	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
18	RB18	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
19	RB19	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
20	RB20	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
21	RB21	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
22	RB22	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
23	RB23	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
24	RB24	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
25	RB25	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
26	RB26	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
27	RB27	R35D	350x550	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 180 C/C	
28	RB28	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
29	RB29	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
30	RB30	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
31	RB31	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
32	RB32	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
33	RB33	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
34	RB34	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
35	RB35	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
36	RB36	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
37	RB37	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
38	RB38	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
39	RB39	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
40	RB40	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
41	RB41	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
42	RB42	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
43	RB43	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
44	RB44	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
45	RB45	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
46	RB46	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
47	RB47	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
48	RB48	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
49	RB49	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
50	RB50	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
51	RB51	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
52	RB52	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
53	RB53	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
54	RB54	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
55	RB55	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
56	RB56	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
57	RB57	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
58	RB58	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
59	RB59	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
60	RB60	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
61	RB61	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
62	RB62	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
63	RB63	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
64	RB64	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
65	RB65	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
66	RB66	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
67	RB67	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
68	RB68	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
69	RB69	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
70	RB70	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
71	RB71	R35U	350x450	2-16#	2-16#	2-16#	2-16#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	

SCHEDULE OF PRECAST RCC SLAB AT ROOF SLAB LEVEL										
CLEAR COVER=25MM, CONC. GRADE=M40, STEEL GRADE=Fe500D										
SR.NO	SLAB ID	SPAN	WIDTH	COMPOSITE SLAB DECK	PRECAST SLAB	IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK	
1	RS1	2550	2415	75	8# @ 200 C/C	8# @ 250 C/C				
2	RS2	2550	2403	75	8# @ 200 C/C	8# @ 250 C/C				
3	RS4	2025	2250	75	8# @ 200 C/C	8# @ 250 C/C				
4	RS5	2855	2850	75	8# @ 175 C/C	8# @ 250 C/C				
5	RS6	2000	2250	75	8# @ 200 C/C	8# @ 250 C/C				
6	RS7	1450	750	75	8# @ 200 C/C	8# @ 250 C/C				
7	RS8	2705	3100	75	8# @ 200 C/C	8# @ 250 C/C				
8	RS9	2100	4100	75	8# @ 150 C/C	8# @ 250 C/C				
9	RS10	700	600	75	8# @ 200 C/C	8# @ 250 C/C				
10	RS11	1650	3275	75	8# @ 150 C/C	8# @ 250 C/C				
11	RS11A	1650	3180	75	8# @ 150 C/C	8# @ 250 C/C				
12	RS12	2100	3075	75	8# @ 200 C/C	8# @ 250 C/C				
13	RS13	1650	3305	75	8# @ 150 C/C	8# @ 250 C/C				
14	RS14	1650	3620	75	8# @ 150 C/C	8# @ 250 C/C				
15	RS15	2100	2875	75	8# @ 200 C/C	8# @ 250 C/C				
16	RS16	2780	2850	75	8# @ 175 C/C	8# @ 250 C/C				
17	RS19	2550	2378	75	8# @ 200 C/C	8# @ 250 C/C				
18	RS20	925	525	75	8# @ 200 C/C	8# @ 250 C/C				
19	S21	1050	2805	75	8# @ 150 C/C	8# @ 250 C/C				
20	RS22	2730	2850	75	8# @ 200 C/C	8# @ 250 C/C				
21	RS24	875	525	75	8# @ 200 C/C	8# @ 250 C/C				
22	RS25	2550	2365	75	8# @ 200 C/C	8# @ 250 C/C				
23	RS26/RS36A	1075	2025	75	8# @ 200 C/C	8# @ 250 C/C				
24	RS27/RS27A	875	2380	75	8# @ 200 C/C	8# @ 250 C/C				
25	STR-1	3050	1425	125	55	10# @ 150 C/C	8# @ 230 C/C			
26	STR-2	3050	1425	125	55	10# @ 150 C/C	8# @ 230 C/C			

SCHEDULE OF '3-S' COLUMN										
CLEAR COVER 50mm, CONC. GRADE M40, STEEL GRADE=Fe500D.										
SR. NO	COLUMN NO.	COLUMN SIZE	6TH FLOOR COLUMN	MAIN REINF.	END ZONE	MID ZONE	LATERAL TIES	REMARK		
1	C2,C3,C4,C6,C7,C8,C9,C12,C13,C18,C23,C25,C26,C27,C31,C38,C46,C55,C58,C59,C70,C71,C72,C74,C75	350x350	4-16#	8# @ 75 C/C	8# @ 175 C/C					
2	C15,C16,C17,C20,C21,C22,C23,C25,C26,C27,C31,C38,C46,C55,C58,C59,C70,C71,C72,C74,C75	350x350	4-25#	8# @ 75 C/C	8# @ 175 C/C					
3	C5,C10,C11,C18,C19,C24,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C49,C50,C52,C53,C54,C55,C56,C57,C59,C60,C63,C66,C73,C77,C78,C81,C87,C88	350x350	4-20#	8# @ 75 C/C	8# @ 175 C/C					
4	C1,C14,C28,C29,C46,C48,C62,C76,C80,C90	450x450	8-16#	8# @ 85 C/C	8# @ 225 C/C					

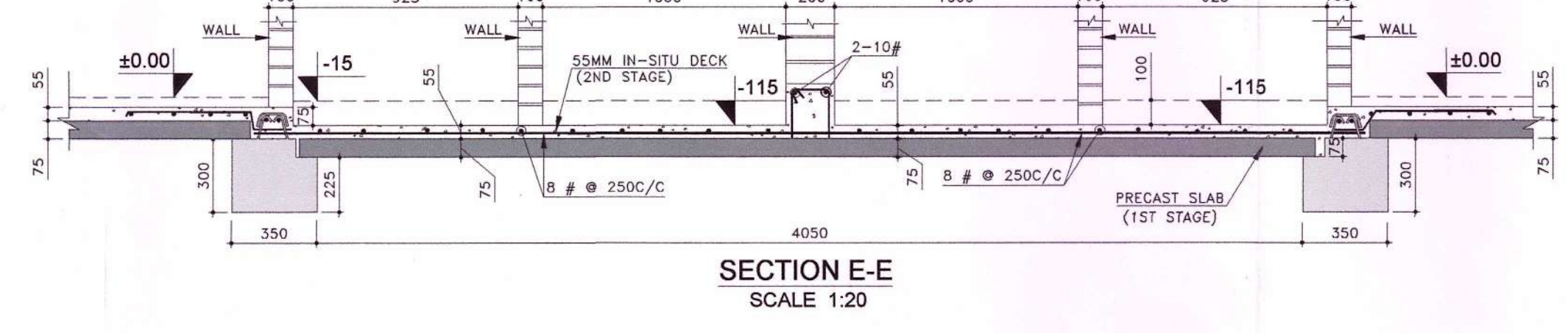
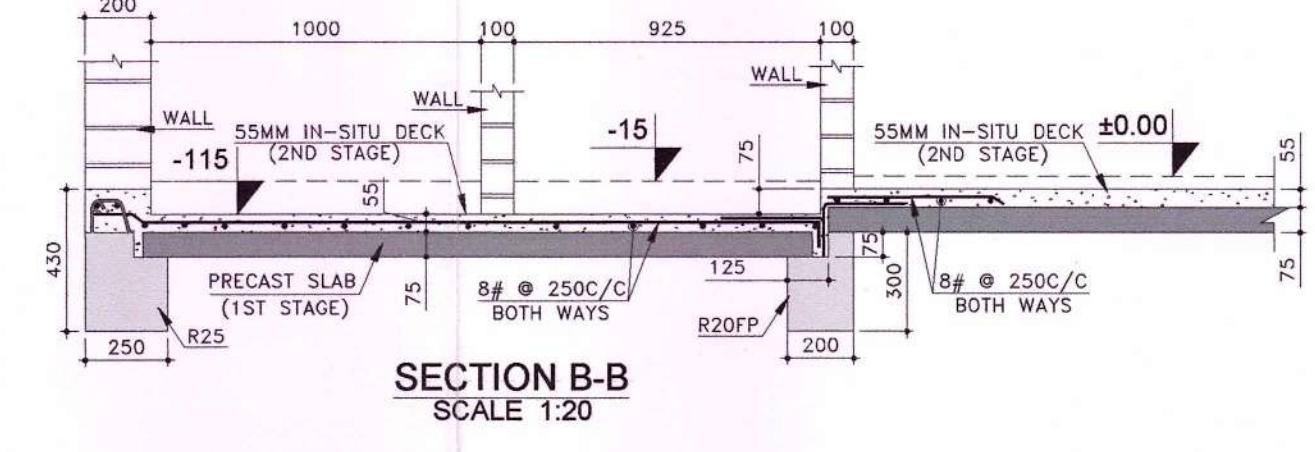
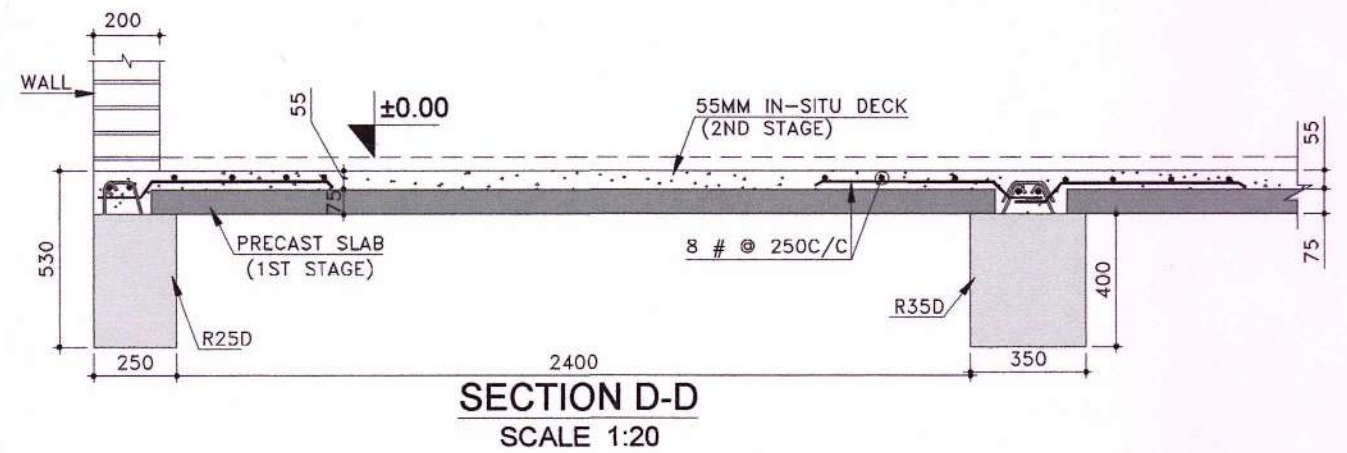
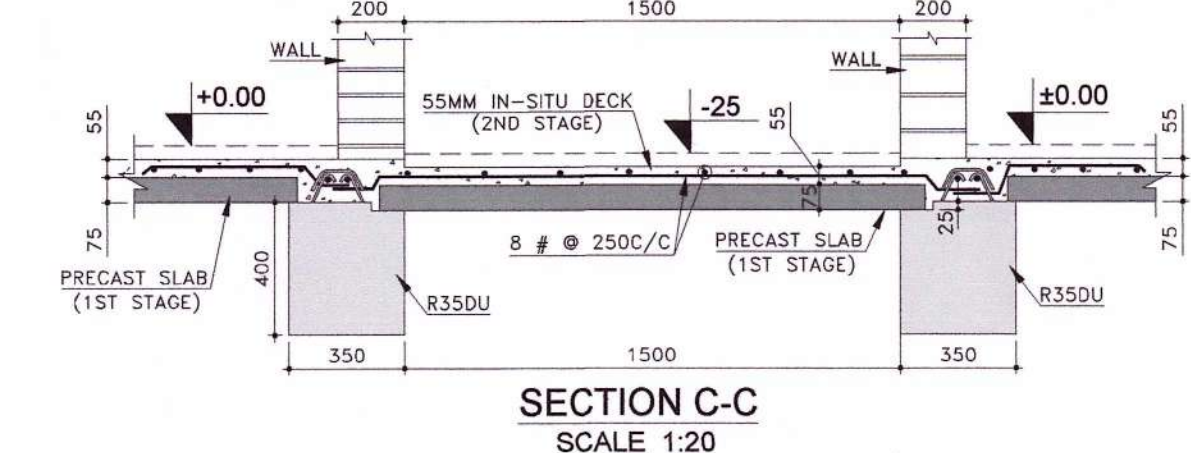
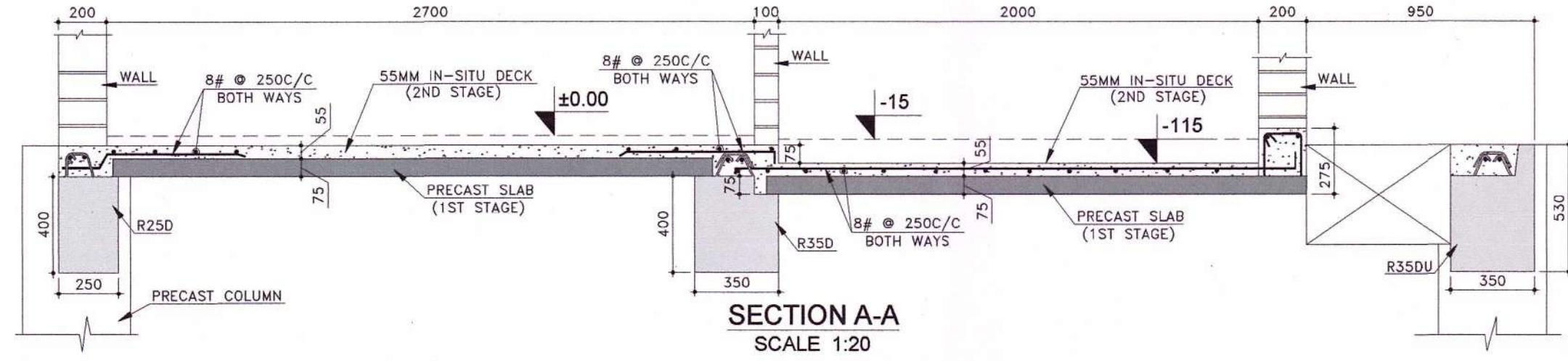


SCHEDULE OF PILE & PILE CAP										
SR. NO.	COLUMN NOS.	BORED CAST IN-SITU PILE		CAST IN-SITU PILE CAP		MAIN BARS		RINGS	HORIZONTAL	PILE CAP TOP LEVEL
		DIA OF PILE	MAIN REINF.	PILE CAP ID	PILE SIZE	L	D			
1	C14C28, C76C90	2-500 Ø	6-16#	PC1	3550	800	750	8-16#	5-16#	-750
2	C24C36, C36C48, C48C60, C60C72, C72C84, C84C96, C96C108, C108C120, C120C132, C132C144, C144C156, C156C168, C168C180, C180C192, C192C204, C204C216, C216C228, C228C240, C240C252, C252C264, C264C276, C276C288, C288C300, C300C312, C312C324, C324C336, C336C348, C348C360, C360C372, C372C384, C384C396, C396C408, C408C420, C420C432, C432C444, C444C456, C456C468, C468C480, C480C492, C492C504, C504C516, C516C528, C528C540, C540C552, C552C564, C564C576, C576C588, C588C600, C600C612, C612C624, C624C636, C636C648, C648C660, C660C672, C672C684, C684C696, C696C708, C708C720, C720C732, C732C744, C744C756, C756C768, C768C780, C780C792, C792C804, C804C816, C816C828, C828C840, C840C852, C852C864, C864C876, C876C888, C888C900, C900C912, C912C924, C924C936, C936C948, C948C960, C960C972, C972C984, C984C996, C996C1008, C1008C1020, C1020C1032, C1032C1044, C1044C1056, C1056C1068, C1068C1080, C1080C1092, C1092C1104, C1104C1116, C1116C1128, C1128C1140, C1140C1152, C1152C1164, C1164C1176, C1176C1188, 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SCHEDULE OF PRECAST BEAMS AT 1ST SLAB LEVEL

CLEAR COVER = 30MM, CONC. GRADE = M40, STEEL GRADE = Fe500D

SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT	TOP REINFORCEMENT	STIRRUPS
1	2	3	4	5	6	7
1	B1	R25	250x430	2-20#	2-16#	2-16#
2	B2	R25	250x430	2-20#	2-16#	2-16#
3	B3	R25FP	250x415	2-16#	2-16#	2-16#
4	B4	R25FP	250x415	2-16#	2-16#	2-16#
5	B5	R35D	350x530	2-20#	2-16#	2-16#
6	B5A	R35D	350x530	2-20#	2-16#	2-16#
7	B6	R35D	350x530	2-20#	2-16#	2-16#
8	B7	R35D	350x530	2-20#	2-16#	2-16#
9	B7A	R35D	350x530	2-20#	2-16#	2-16#
10	B7B	R35D	350x530	2-20#	2-16#	2-16#
11	B8	R25	250x430	2-16#	2-16#	2-16#
12	B9	R25	250x430	2-16#	2-16#	2-16#
13	B10	R25	250x430	2-16#	2-16#	2-16#
14	B11	R35DU	350x530	2-20#	2-16#	2-16#
15	B11A	R35DU	350x530	2-20#	2-16#	2-16#
16	B11B	R35DU	350x530	2-20#	2-16#	2-16#
17	B12	R35U	350x530	2-20#	2-16#	2-16#
18	B13	R35	350x430	2-16#	2-16#	2-16#
19	B14	R35	350x430	2-16#	2-16#	2-16#
20	B15	R25	250x430	2-16#	2-16#	2-16#
21	B16	R35	350x430	2-16#	2-16#	2-16#
22	B17	R35U	350x430	2-16#	2-16#	2-16#
23	B18	R35D	350x530	2-20#	2-16#	2-16#
24	B19	R35	350x430	2-16#	2-16#	2-16#
25	B20	R35U	350x430	2-16#	2-16#	2-16#
26	B21	R35U	350x430	2-16#	2-16#	2-16#
27	B22	R35DU	350x530	2-20#	2-16#	2-16#
28	B23A	R35D	350x530	2-20#	2-16#	2-16#
29	B24	R20/R25	250x430	2-20#	2-16#	2-16#
30	B25	R35D	350x530	2-20#	2-16#	2-16#
31	B26	R35D	350x530	2-20#	2-16#	2-16#
32	B27	R35D	350x530	2-20#	2-16#	2-16#
33	B28	R25U	250x430	2-16#	2-16#	2-16#
34	MB29	R25	250x430	2-16#	2-16#	2-16#
35	MB29A	R25	250x430	2-16#	2-16#	2-16#
36	B30	R25	250x430	2-20#	2-16#	2-16#
37	B30A	R25	250x430	2-20#	2-16#	2-16#
38	B31	R25U	250x430	2-20#	2-16#	2-16#
39	B31A	R25U	250x430	2-20#	2-16#	2-16#
40	B31B	R25U	250x430	2-20#	2-16#	2-16#
41	B32	R20FP	200x300	2-12#	2-12#	2-12#
42	B32A	R20FP	200x300	2-12#	2-12#	2-12#
43	B33	R25	250x430	2-12#	2-12#	2-12#
44	B34	R35	350x430	2-20#	2-16#	2-16#
45	B34A	R35	350x430	2-20#	2-16#	2-16#
46	B35	R35	350x430	2-20#	2-16#	2-16#
47	B35A	R35	350x430	2-20#	2-16#	2-16#
48	B36	R35U	350x430	2-20#	2-16#	2-16#
49	B37	R35U	350x430	2-20#	2-16#	2-16#
50	B38	R25U	250x430	2-16#	2-12#	2-12#
51	B39	R25U	250x430	2-16#	2-12#	2-12#
52	B40	R25U	250x430	2-16#	2-12#	2-12#
53	B41	R35U	350x430	2-20#	2-16#	2-16#
54	B41A	R35	350x430	2-20#	2-16#	2-16#
55	B42	R35U	350x430	2-16#	2-16#	2-16#
56	B42A	R35U	350x430	2-16#	2-16#	2-16#
57	B43	R25	250x430	2-20#	2-16#	2-16#
58	B44	R25	250x430	2-20#	2-16#	2-16#
59	B44A	R25	250x430	2-20#	2-16#	2-16#
60	MB45	R30	300x430	2-20#	2-16#	2-16#
61	MB45A	R30	300x430	2-20#	2-16#	2-16#
62	B46	R35U	350x430	2-20#	2-16#	2-16#
63	B46A	R35U	350x430	2-20#	2-16#	2-16#
64	B49	R25U	250x430	2-20#	2-16#	2-16#
65	B50	R25U	250x430	2-16#	2-12#	2-12#
66	B51	R35	350x430	2-20#	2-16#	2-16#
67	B52	R25	250x430	2-20#	2-16#	2-16#
68	B53A	R35U	350x430	2-20#	2-16#	2-16#
69	B54	R35U	350x430	2-20#	2-16#	2-16#
70	B55	R35U	350x430	2-20#	2-16#	2-16#
71	B56	R35	350x430	2-16#	2-16#	2-16#
72	B57	R25	250x430	2-20#	2-16#	2-16#
73	B58	R35D	350x530	2-20#	2-16#	2-16#
74	B76	R25U	250x430	2-20#	2-16#	2-16#



SCHEDULE OF PRECAST RCC SLAB AT 1ST SLAB LEVEL

CLEAR COVER = 25MM, CONC. GRADE = M40, STEEL GRADE = Fe500D

SR. NO.	SLAB ID	SPAN	WIDTH	COMPOSITE SLAB DECK	MAIN STEEL	DISTRIBUTION STEEL	REMARK
1	2	3	4	5	6	7	8
1	S1	2550	2735	75	55	8# @ 200 C/C	8# @ 250 C/C
2	S2	2550	2075	75	55	8# @ 200 C/C	8# @ 250 C/C
3	S3	2550	2735	75	55	8# @ 200 C/C	8# @ 250 C/C
4	S4	2025	2250	75	55	8# @ 200 C/C	8# @ 250 C/C
5	S5	2855	2850	75	55	8# @ 200 C/C	8# @ 250 C/C
6	S6	2000	2250	75	55	8# @ 200 C/C	8# @ 250 C/C
7	S7	1450	2750	75	55	8# @ 200 C/C	8# @ 250 C/C
8	S8	2705	2850	75	55	8# @ 200 C/C	8# @ 250 C/C
9	S9	2100	4150	75	55	8# @ 150 C/C	8# @ 250 C/C
10	S10	700	600	75	55	8# @ 150 C/C	8# @ 250 C/C
11	S11	1650	3275	75	55	8# @ 150 C/C	8# @ 250 C/C
12	S11A	1650	3180	75	55	8# @ 150 C/C	8# @ 250 C/C
13	S12	2100	3025	75	55	8# @ 150 C/C	8# @ 250 C/C
14	S13	1650	3482	75	55	8# @ 150 C/C	8# @ 250 C/C
15	S14	1650	3582	75	55	8# @ 150 C/C	8# @ 250 C/C
16	S15	2100	2825	75	55	8# @ 150 C/C	8# @ 250 C/C
17	S16	1650	3275	75	55	8# @ 150 C/C	8# @ 250 C/C
18	S18	2735	2850	75	55	8# @ 200 C/C	8# @ 250 C/C
19	S19	2550	2000	75	55	8# @ 200 C/C	8# @ 250 C/C
20	S20	925	525	75	55	8# @ 200 C/C	8# @ 250 C/C
21	S21	1050	2805	75	55	8# @ 150 C/C	8# @ 250 C/C
22	S22	2730	2850	75	55	8# @ 200 C/C	8# @ 250 C/C
23	S23	2550	2100	75	55	8# @ 200 C/C	8# @ 250 C/C
24	S24	875	325	75	55	8# @ 150 C/C	8# @ 250 C/C
25	S25	2550	2000	75	55	8# @ 200 C/C	8# @ 250 C/C
26	S26/26A	1075	2025	75	55	8# @ 200 C/C	8# @ 250 C/C
27	S27/S27A	875	2390	75	55	8# @ 200 C/C	8# @ 250 C/C
28	STR-1	3050	1425	125	55	10# @ 150 C/C	8# @ 230 C/C
29	STR-2	3050	1425	125	55	10# @ 150 C/C	8# @ 230 C/C

SCHEDULE OF '3-S' COLUMN

CLEAR COVER 50MM, CONC. GRADE M40, STEEL GRADE - Fe500D.

SR. NO.	COLUMN NO.	COLUMN SIZE	MAIN REINF.	LATERAL TIES		REMARK
				END ZONE	MID ZONE	
1	C2, C3, C4, C5, C7, C8, C9, C10, C11, C12, C13, C16, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C36, C37, C38, C39, C40, C43, C44, C45, C46, C48, C52, C53, C54, C55, C56, C57, C61, C62, C68, C69, C70, C71, C75, C76, C82, C83, C84, C85, C86, C87, C88, C89	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
2	C5, C14, C17, C34, C41, C42, C64, C80, C81, C90	450X450	4-20#	8# @ 75 C/C	8# @ 225 C/C	
3	C1, C15	450X450	8-20#	8# @ 75 C/C	8# @ 225 C/C	
4	C49, C50, C58, C59, C60, C66, C73, C77, C78	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
5	C51, C65, C67, C72, C74	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	

SR. NO.	ID	DESCRIPTION	REMARK
1		PRECAST SLAB PANELS	130 THK. SLAB I.e. 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED
2		PRECAST SLAB PANELS	130 THK. SLAB I.e. 25 MM SUNK & 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED
3		PRECAST SLAB PANELS	130 THK. SLAB I.e. 115 MM SUNK & 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED

* GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
2. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.

REFERENCE DRAWING

SR. NO.	DRAWING NO.	DRAWING DESCRIPTION
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REVISION STATUS AND DETAILS

NO.	DATE	REVISION	PROP.	DEALT.	CHKD.	APPD.
1	24.04.2024	REVISED AS PER CLIENT COMMENTS				

RELEASED ON DATED

SIGNATURE **DATE**

DESIGNED BY **01.01.24**

CHECKED BY **17.01.24**

RECHECKED BY **19.01.24**

APPROVED BY **Y. P. KAJALE**

CLIENT:

SHIRKE

TECH. PVT. LTD. MUMBAI PUNE - 56

IT IS FORBIDDEN TO USE, REPRODUCE, MODIFY OR IN ANY MANNER REVEAL ITS CONTENTS EXCEPT FOR THE PURPOSES FOR WHICH IT WAS INTENDED.

BLDG TYPE:- PHASE-1, BLOCK-3 (S+6) 19 TENEMENTS / FLOOR

B. G. SHIRKE CONST. TECH. PVT. LTD.

72-76, MUNDHWA, PUNE - 411 036

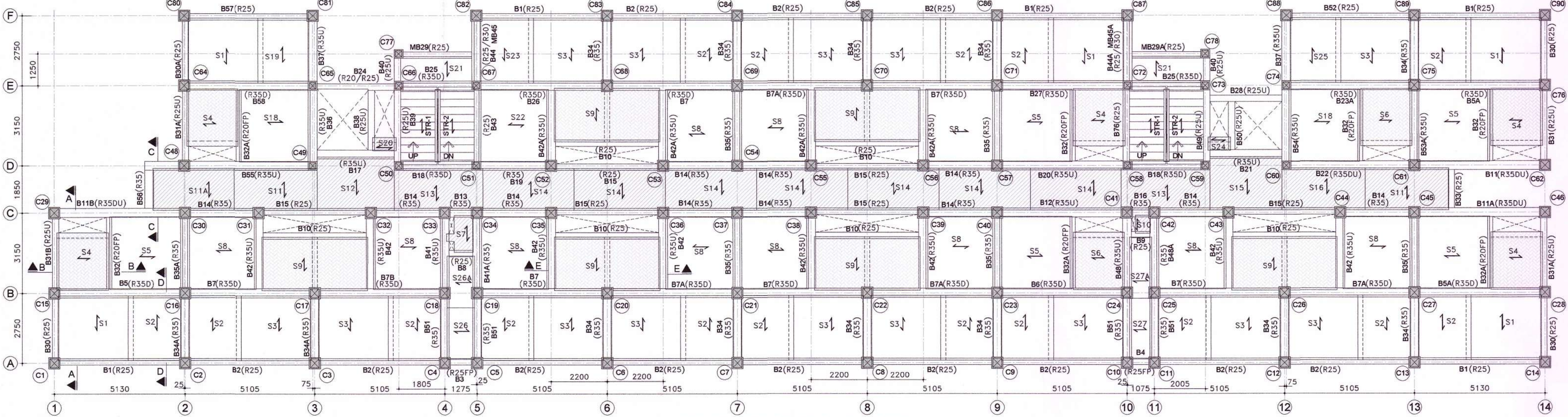
TEL: 020-28708100 | FAX: 020-28871612 | E-MAIL: design@shirke.co.in

PROPOSED BUILDING PLAN FOR RECONSTRUCTION OF RESIDENTIAL DWELLING (S+6) FLOORS TOTAL TENEMENTS 426 NOS AT APPAVOO NAGAR & SUBBU PILLAI THOTTAM PHASE 4, S.NO. 33, T.S.NO. 3/1 PART, BLOCK NO.29 (BLOCK-01,02,03 & 04) OF MAMBALAM VILLAGE.

FRAMING PLAN AT 1st SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.

DATE: 06-23/APP/BLK-3/SD/STR-02

REV. NO. R-1



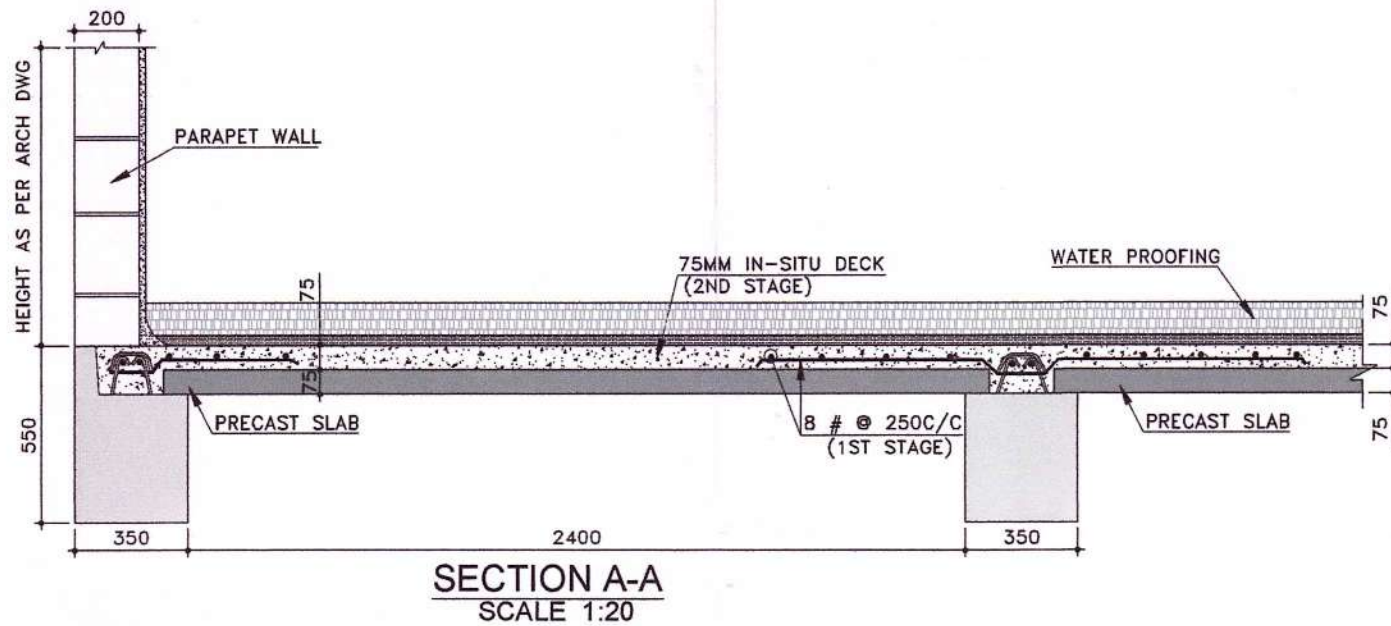
FRAMING PLAN AT 1st SLAB LVL.

Dr. K.P. JAYA
Professor
Division of Structural Engineering
Department of Civil Engineering
Anna University, Chennai - 600 025.

SCHEDULE OF '3-S' COLUMN						
CONC. GRADE M40, STEEL GRADE - Fe500D						
SR. NO.	COLUMN NO.	6TH FLOOR COLUMN		LATERAL TIES		REMARKS
		COLUMN SIZE	MAIN REINF.	END ZONE	MID ZONE	
1	C2, C3, C4, C7, C8, C53, C54, C55, C56, C57, C1, C5, C6, C9, C14, C15, C19, C20, C21, C22, C24, C25, C26, C27, C28, C29, C32, C33, C37, C38, C39, C40, C52, C58	350X350	4-16#	8# @ 75 C/C	8# @ 175 C/C	
2	C10, C11, C12, C13, C16, C17, C18, C23, C30, C31, C34, C35, C36, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	

SCHEDULE OF PRECAST RCC SLAB AT ROOF SLAB LEVEL						
CLEAR COVER=25MM, CONC. GRADE=M40, STEEL GRADE=Fe500D						
SR.NO	SLAB ID	SLAB SIZE		COMPOSITE SLAB DECK	MAIN STEEL	DISTRIBUTION STEEL
		SPAN	WIDTH			
1	RS1	2550	2415	75	8# @ 200C/C	8# @ 250 C/C
2	RS2	2550	2400	75	8# @ 200C/C	8# @ 250 C/C
3	RS4	2025	2250	75	8# @ 200C/C	8# @ 250 C/C
4	RS5	2855	2850	75	8# @ 170C/C	8# @ 250 C/C
5	RS6	2000	2250	75	8# @ 200C/C	8# @ 250 C/C
6	RS7	1450	750	75	8# @ 200C/C	8# @ 250 C/C
7	RS8	2705	2850	75	8# @ 200C/C	8# @ 250 C/C
8	RS9	2100	4150	75	8# @ 150C/C	8# @ 250 C/C
9	RS19	2550	2365	75	8# @ 200C/C	8# @ 250 C/C
10	RS20	925	525	75	8# @ 200C/C	8# @ 250 C/C
11	S21	1050	2805	75	55# @ 150C/C	8# @ 250 C/C
12	RS22	2730	2850	75	8# @ 200C/C	8# @ 250 C/C
13	RS26	1075	2050	75	8# @ 200C/C	8# @ 250 C/C
14	RS26A	1075	2050	75	8# @ 200C/C	8# @ 250 C/C
15	RS31	2880	2850	75	8# @ 170C/C	8# @ 250 C/C
16	RS51	2630	2850	75	8# @ 200C/C	8# @ 250 C/C
17	RS55	1650	3130	75	8# @ 150 C/C	8# @ 250 C/C
18	RS56	1650	3405	75	8# @ 150 C/C	8# @ 250 C/C
19	RS57	2100	3050	75	8# @ 150 C/C	8# @ 250 C/C
20	RS58	1650	3355	75	8# @ 150 C/C	8# @ 250 C/C
21	RS59	1650	2845	75	8# @ 150 C/C	8# @ 250 C/C
22	STR-1	3050	1425	125	10# @ 150C/C	8# @ 230 C/C
23	STR-2	3050	1425	125	10# @ 150C/C	8# @ 230 C/C

SCHEDULE OF PRECAST BEAMS AT ROOF SLAB LEVEL											
CLEAR COVER=30MM, CONC. GRADE=M40, STEEL GRADE=Fe500D											
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT			STIRRUPS		
				THRO.	CURTAIL	NEAR	MIDDLE	FAR	END ZONE	MID ZONE	
1	RB1	R35DU	350X550	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
2	RB2	R35DU	350X550	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
3	RB3	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 10# @ 100 C/C		
4	RB5	R35D	350X550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 90C/C	2L - 8# @ 180 C/C	
5	RB5A	R35D	350X550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 90C/C	2L - 8# @ 180 C/C	
6	RB6	R35D	350X550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 90C/C	2L - 8# @ 180 C/C	
7	RB7	R35D	350X550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 100C/C	2L - 8# @ 180 C/C	
8	RB7A	R35D	350X550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 100C/C	2L - 8# @ 180 C/C	
9	RB9	R25	250X450	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C		
10	RB10	R25	250X450	2-16#	2-12#	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C		
11	RB13	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C	
12	RB14	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
13	RB15	R25	250X450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
14	RB18	R35D	350X550	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
15	RB19	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
16	RB25	R35D	350X530	4-16#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C	
17	RB26	R35D	350X550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 190 C/C	
18	MB29	R25DC	250X330	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 200 C/C		
19	RB30	R35U	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
20	RB31	R35U	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
21	RB31A	R35U	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
22	RB32	R20FP	200X300	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 160 C/C		
23	RB32A	R20FP	200X300	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 160 C/C		
24	RB33	R25U	250X450	2-12#	2-10#	2-12#	2-12#	2-12#	2L - 8# @ 250 C/C		
25	RB34	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
26	RB35	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
27	RB36	R35	350X450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C	
28	RB37	R35U	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
29	RB38	R25	250X450	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 200 C/C		
30	RB39	R25U	250X450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C	
31	RB40	R25U	250X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C	
32	RB41	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
33	RB41A	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
34	RB42	R35U	350X450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 120 C/C		
35	RB42A	R35U	350X450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 120 C/C		
36	RB43	R25	250X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
37	RB44	R25	250X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
38	MB45	R30	300X430	4-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C	
39	RB51	R35	350X450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
40	RB52	R35DU	350X550	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
41	RB53A	R35U	350X450	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C	
42	RB64A	R35DU	350X550	2-16#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C	
43	RB83	R35DU	350X550	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 100C/C	2L - 8# @ 160 C/C	
44	RB83A	R35DU	350X550	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 100 C/C	2L - 8# @ 160 C/C	
45	RB90	R25U	250X450	2-20#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 190 C/C	
46	RB91	R25U	250X450	2-20#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 190 C/C	
47	RB101	R35DU	350X550	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 160 C/C	
48	RB102	R35	350X450	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C	
49	RB103	R35U	350X450	2-16#	2-12#	2-12#	2-12#	2-12#	2L - 8# @ 175 C/C		
50	RB104	R25/R35	250/350X450	2-16#	2-12#	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 125 C/C	



LEGEND			
SR. NO.	ID	DESCRIPTION	REMARK
1		PRECAST SLAB PANELS	150 THK.SLAB i.e. 75 THK. PRECAST SLAB + 75THK. IN-SITU SCREED
2		PRECAST SLAB PANELS	130 THK.SLAB i.e. 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED

*GENERAL NOTES:

- 1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
- 2 ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.

REFERENCE DRAWING

SR.NO.	DRAWING NO	DRAWING DESCRIPTION
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REVISION STATUS AND DETAILS

NO.	DATE	REVISION	PROF.	DEALT.	CHKD.	APPD.
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RELEASED

ON DATED

SIGNATURE

DATE

DESIGNED BY

CHECKED BY

RECHECKED BY

APPROVED BY

Y. P. KAJALE

Regd. Structural Engineer

State Govt. of Maharashtra

No. STR/16/2023/APP/02360

MCGM No. STR/340015350

Existing B.P. No. STR/K170

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BLDG TYPE:- PHASE-1, BLOCK-4 (S+6) 12 TENEMENTS / FLOOR

B. G. SHIRKE CONST. TECH. PVT. LTD.

72-76, MUNDHWA, PUNE - 411 036

TEL: 020-26708100 | FAX: 020-26871612 | E-MAIL: design@shirke.co.in

SCALE: AS SHOWN

PROJECT

TITLE

LOCATION

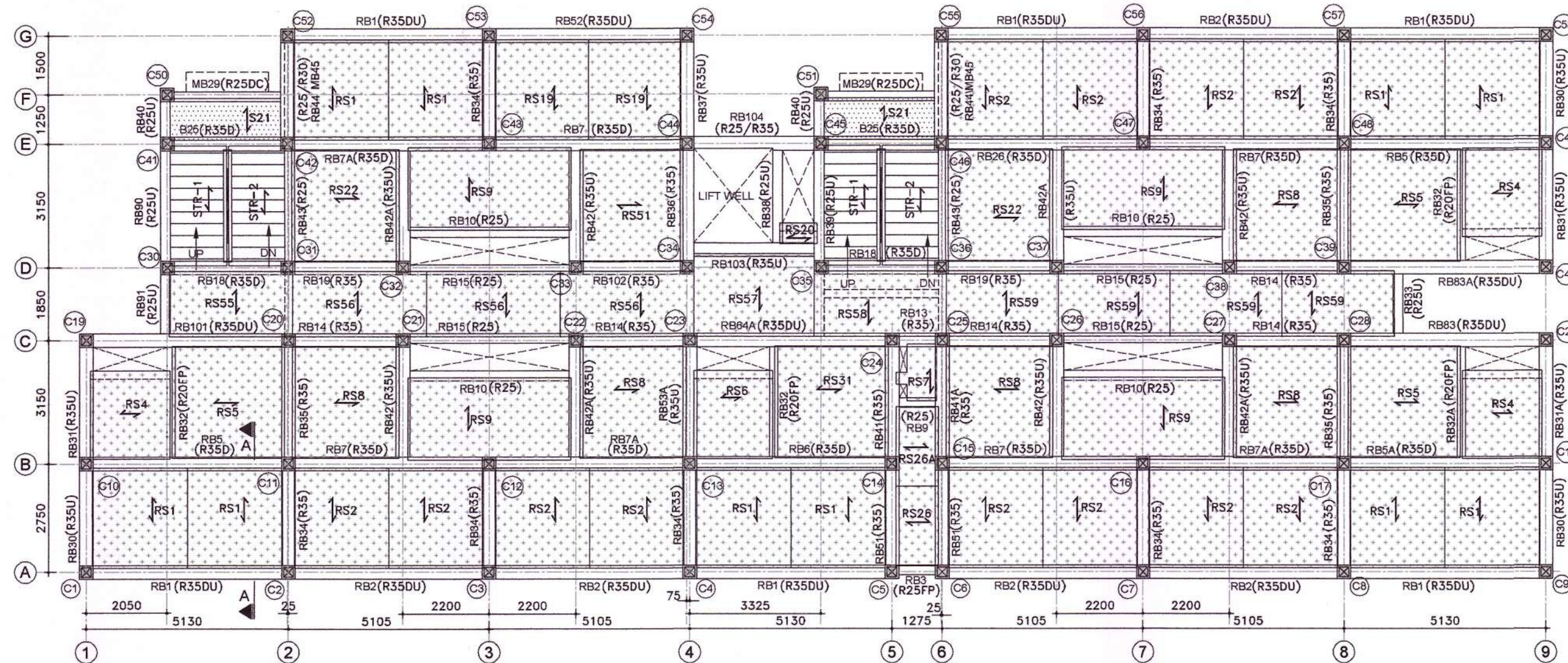
JOB NO: 06-2023

DRG. NO: 06-23/APP/BLK-4/SD/STR-04

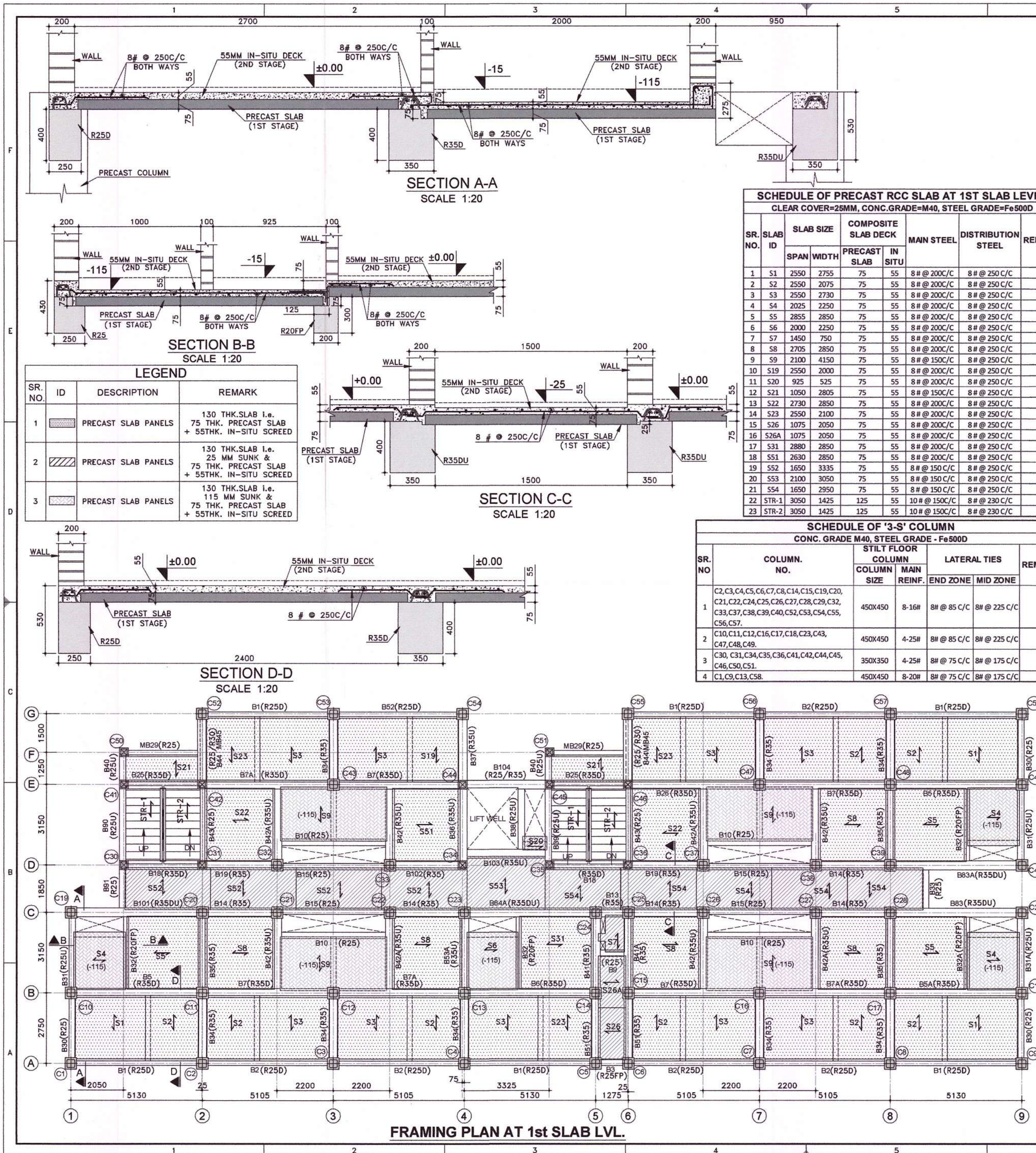
REV. NO: R-1

CLUSERBL 1300DESKTOP13-06-24

A2



FRAMING PLAN AT ROOF SLAB LVL.



SCHEDULE OF PRECAST RCC SLAB AT 1ST SLAB LEVEL
CLEAR COVER = 25MM, CONC. GRADE = M40, STEEL GRADE = Fe500D

SR. NO.	SLAB ID	SLAB SIZE	COMPOSITE DECK	PRECAST SLAB	IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK
1	S1	2550 x 2755	75	55	8# @ 200C/C	8# @ 250 C/C		
2	S2	2550 x 2075	75	55	8# @ 200C/C	8# @ 250 C/C		
3	S3	2550 x 2730	75	55	8# @ 200C/C	8# @ 250 C/C		
4	S4	2025 x 2250	75	55	8# @ 200C/C	8# @ 250 C/C		
5	S5	2855 x 2850	75	55	8# @ 200C/C	8# @ 250 C/C		
6	S6	2000 x 2250	75	55	8# @ 200C/C	8# @ 250 C/C		
7	S7	1450 x 750	75	55	8# @ 200C/C	8# @ 250 C/C		
8	S8	2705 x 2850	75	55	8# @ 200C/C	8# @ 250 C/C		
9	S9	2100 x 4150	75	55	8# @ 150C/C	8# @ 250 C/C		
10	S10	2550 x 2000	75	55	8# @ 200C/C	8# @ 250 C/C		
11	S20	925 x 525	75	55	8# @ 200C/C	8# @ 250 C/C		
12	S21	1050 x 2805	75	55	8# @ 150C/C	8# @ 250 C/C		
13	S22	2730 x 2850	75	55	8# @ 200C/C	8# @ 250 C/C		
14	S23	2550 x 2100	75	55	8# @ 200C/C	8# @ 250 C/C		
15	S26	1075 x 2050	75	55	8# @ 200C/C	8# @ 250 C/C		
16	S26A	1075 x 2050	75	55	8# @ 200C/C	8# @ 250 C/C		
17	S31	2880 x 2850	75	55	8# @ 200C/C	8# @ 250 C/C		
18	S51	2630 x 2850	75	55	8# @ 200C/C	8# @ 250 C/C		
19	S52	1650 x 3335	75	55	8# @ 150 C/C	8# @ 250 C/C		
20	S53	2100 x 3050	75	55	8# @ 150 C/C	8# @ 250 C/C		
21	S54	1650 x 2950	75	55	8# @ 150 C/C	8# @ 250 C/C		
22	STR-1	3050 x 1425	125	55	10# @ 150C/C	8# @ 230 C/C		
23	STR-2	3050 x 1425	125	55	10# @ 150C/C	8# @ 230 C/C		

SCHEDULE OF '3-S' COLUMN						
CONC. GRADE M40, STEEL GRADE - Fe500D						
SR. NO	COLUMN. NO.	STILT FLOOR COLUMN		LATERAL TIES		REMARKS
		COLUMN SIZE	MAIN REINF.	END ZONE	MID ZONE	
1	C2, C3, C4, C5, C6, C7, C8, C14, C15, C19, C20, C21, C22, C24, C25, C26, C27, C28, C29, C32, C33, C37, C38, C39, C40, C52, C53, C54, C55, C56, C57.	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
2	C10, C11, C12, C16, C17, C18, C23, C43, C47, C48, C49.	450X450	4-25#	8# @ 85 C/C	8# @ 225 C/C	
3	C30, C31, C34, C35, C36, C41, C42, C44, C45, C46, C50, C51.	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
4	C1, C9, C13, C58.	450X450	8-20#	8# @ 75 C/C	8# @ 175 C/C	

6				7				8			
SCHEDULE OF PRECAST BEAMS AT 1ST SLAB LEVEL											
CLEAR COVER = 30MM, CONC. GRADE = M40, STEEL GRADE = Fe500D											
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT			STIRRUPS		
				THRO.	CURTAIL	NEAR	MIDDLE	FAR	END ZONE	MID ZONE	
1	B1	R25D	250x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 170 C/C	
2	B2	R25D	250x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 170 C/C	
3	B3	R25FP	250x415	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 100 C/C		
4	B5	R35D	350x530	2-20# + 2-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 90C/C	2L-8# @ 120 C/C	
5	B5A	R35D	350x530	2-20# + 2-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 90C/C	2L-8# @ 120 C/C	
6	B6	R35D	350x530	2-20# + 2-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 100C/C	2L-8# @ 120 C/C	
7	B7	R35D	350x530	2-20# + 2-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 100C/C	2L-8# @ 120 C/C	
8	B7A	R35D	350x530	2-20# + 2-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 100C/C	2L-8# @ 120 C/C	
9	B9	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L-8# @ 190 C/C		
10	B10	R25	250x430	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 190 C/C		
11	B13	R35	350x430	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 75 C/C	
12	B14	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
13	B15	R25	250x430	2-16#	-	2-20#	2-16#	2-20#	2L-8# @ 75 C/C	2L-8# @ 200 C/C	
14	B18	R35D	350x530	2-20#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
15	B19	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C	
16	B25	R35D	350x530	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
17	B26	R35D	350x530	2-20# + 2-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 75 C/C	2L-8# @ 130 C/C	
18	MB29	R25	250x430	2-16#	-	2-20#	2-16#	2-20#	2L-8# @ 200 C/C		
19	B30	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
20	B31	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
21	B31A	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
22	B32	R20FP	200x300	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 140 C/C		
23	B32A	R20FP	200x300	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 140 C/C		
24	B33	R25	250x430	2-12#	2-10#	2-12#	2-12#	2-12#	2L-8# @ 250 C/C		
25	B34	R35	350x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
26	B35	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
27	B36	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
28	B37	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
29	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#	2L-8# @ 200 C/C		
30	B39	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C	
31	B40	R25U	250x430	2-16# + 2-12#	-	2-16# + 2-12#	2-16#	2-16# + 2-12#	2L-10# @ 70 C/C	2L-10# @ 70 C/C	
32	B41	R35	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
33	B41A	R35	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
34	B42	R35U	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 70 C/C		
35	B42A	R35U	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 70 C/C		
36	B43	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
37	B44	R25	250x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 90 C/C	
38	MB45	R30	300x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 90 C/C	
39	B51	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C	
40	B52	R25D	250x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 170 C/C	
41	B53A	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C	
42	B64A	R35DU	350x530	4-16#	-	2-20# + 2-16#	2-16#	2-20# + 2-16#	2L-8# @ 100 C/C	2L-8# @ 140 C/C	
43	B83	R35DU	350x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 100 C/C	2L-8# @ 140 C/C	
44	B83A	R35DU	350x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 100 C/C	2L-8# @ 140 C/C	
45	B90	R25U	250x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C	
46	B91	R25	250x430	2-20#	-	2-16# + 2-12#	2-16#	2-16# + 2-12#	2L-8# @ 75 C/C	2L-8# @ 190 C/C	
47	B101	R35DU	350x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 160 C/C	
48	B102	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C	
49	B103	R35U	350x430	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 175 C/C		
50	B104	R25/R35	250/350x430	2-16#	2-12#	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 125 C/C	

* GENERAL NOTES:

- 1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
- 2 ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.

REFERENCE DRAWING

SR. NO.	DRAWING NO.	DRAWING DESCRIPTION

REVISION STATUS AND DETAILS

NO.	DATE	REVISION	PROF.	DEALT.	CHKD.	APPD.
R1	24.04.2024	REVISED AS PER CLIENT'S COMMENTS				

RELEASED ON DATED

Dr. K.P. JAYA
Professor
Division of Structural Engineering
Department of Civil Engineering
Anna University, Chennai - 600 025.

DRAWN BY	SIGNATURE	DATE
DESIGNED & CHECKED BY		06.01.2024
RECHECKED BY		20.01.2024
APPROVED BY		20.01.2024

Y. P. KAJALE
Regd. Structural Engineer
State Govt. of Maharashtra
No. STATE/REGD/2022/PL/02380
MCOG No. STR/84001550
Existing B.P. No. STR/K/170

SHIRKE
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BLDG TYPE:- PHASE-1, BLOCK-4 (S+6) 12 TENEMENTS / FLOOR

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72-76, MUNDHWA, PUNE - 411 036

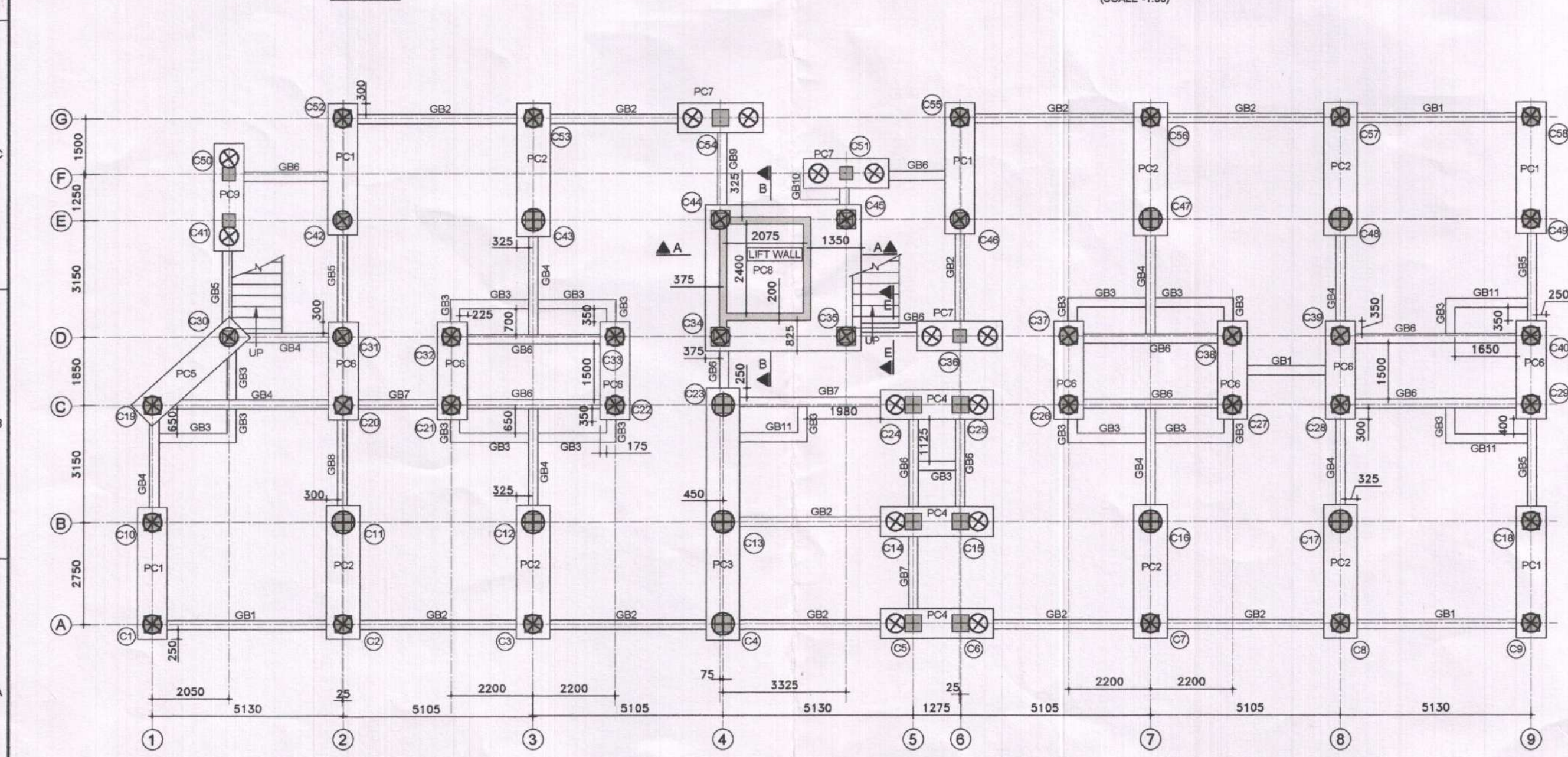
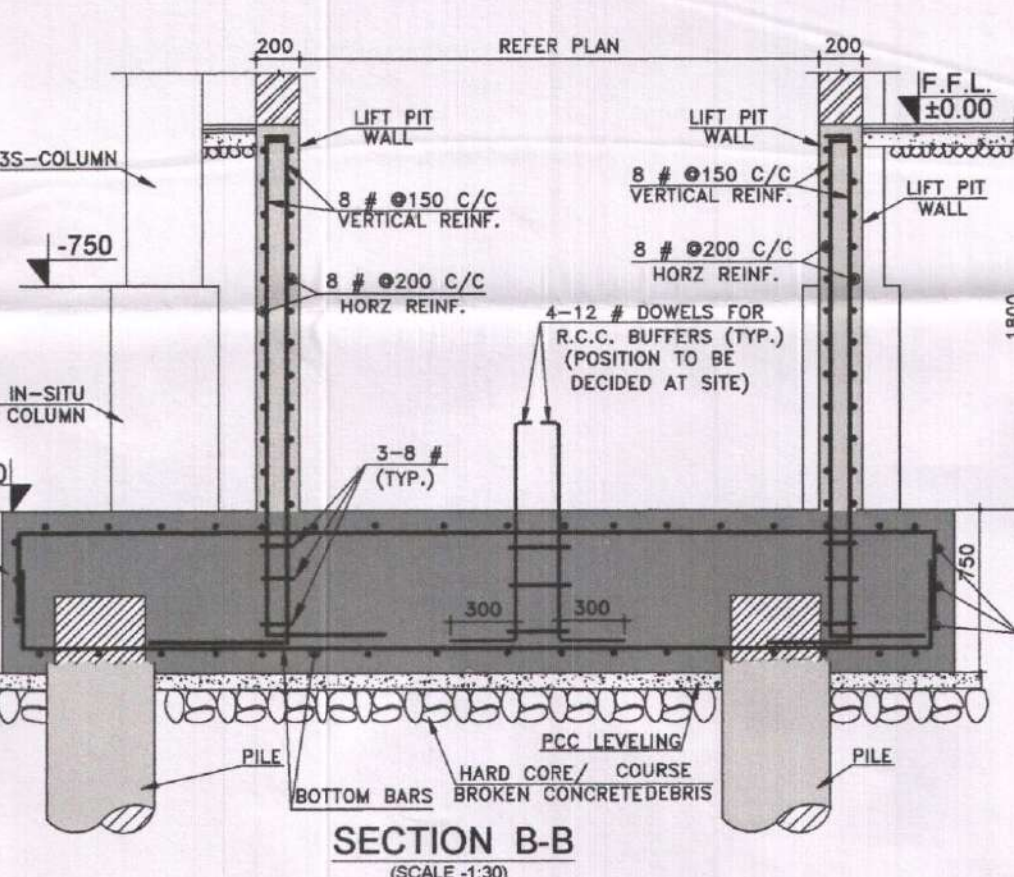
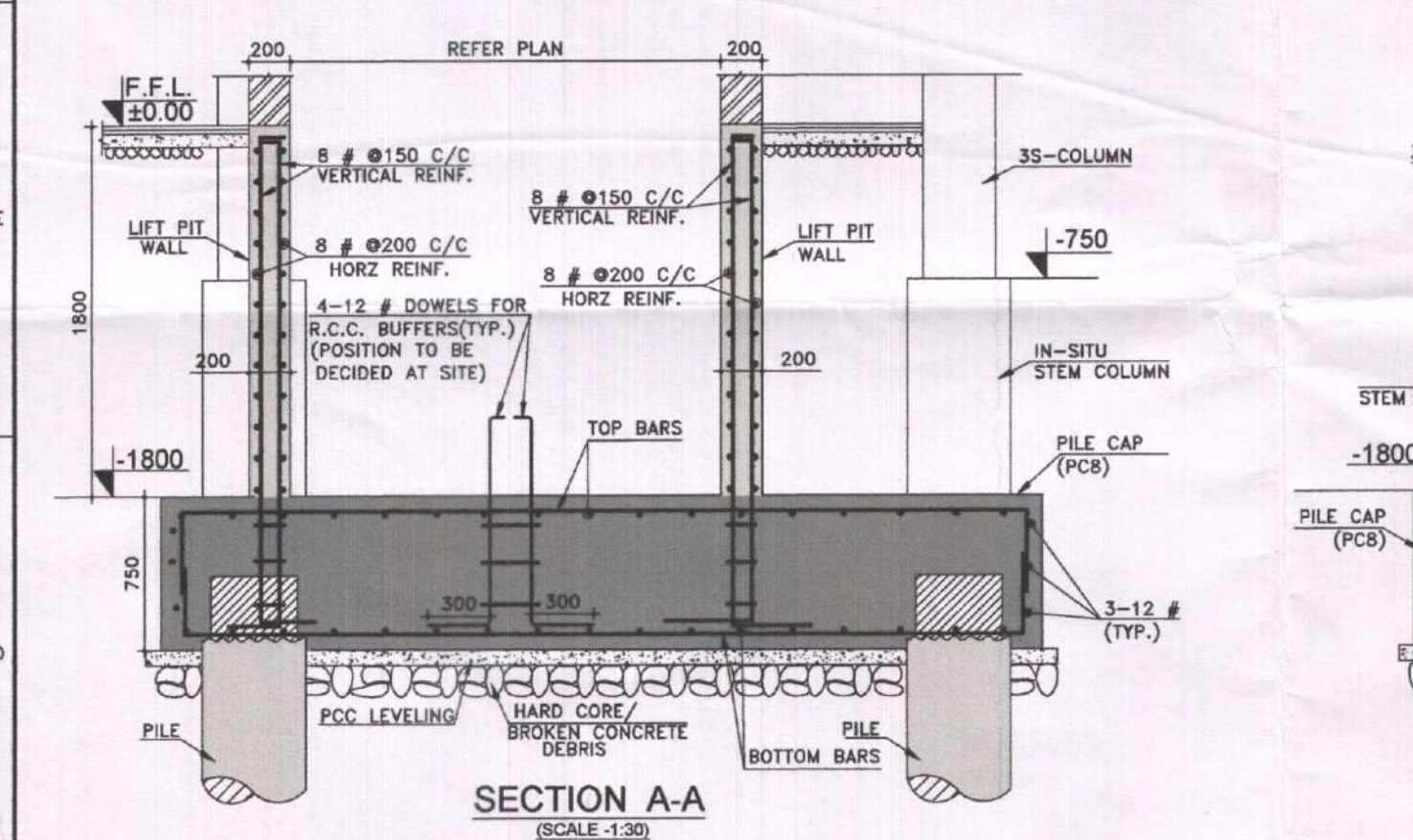
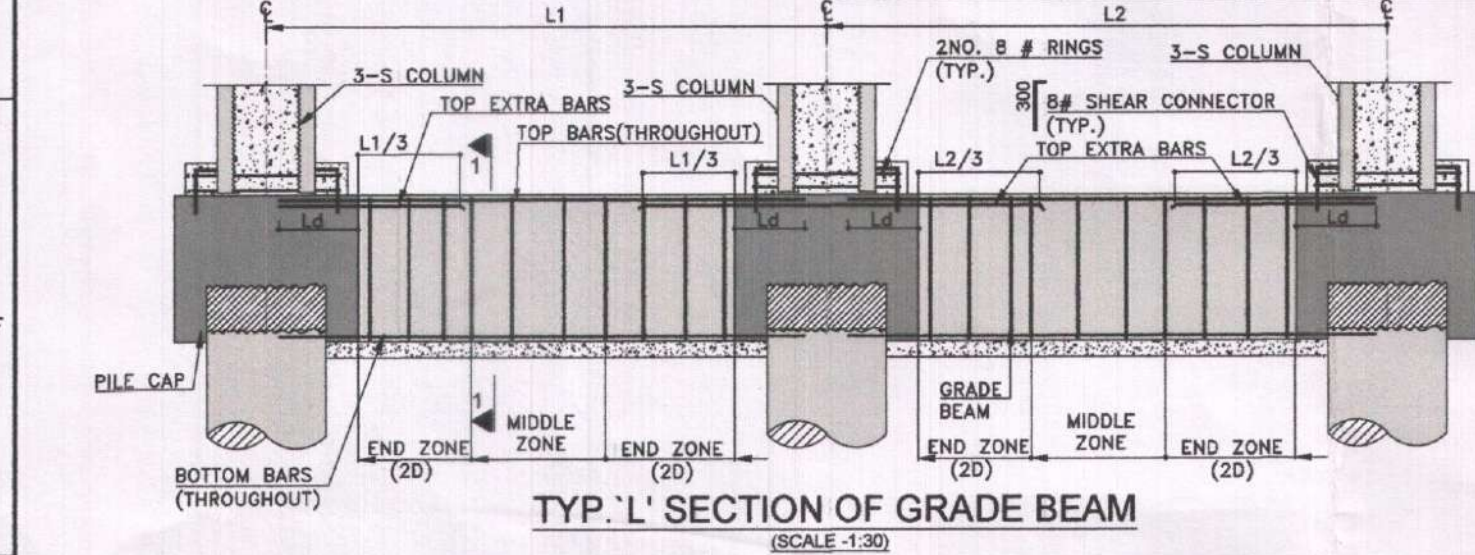
TEL: 020-26708100 | FAX: 020-26871612 | E-MAIL: design@shirke.co.in

SCALE:	PROJECT:	PROPOSED BUILDING PLAN FOR RECONSTRUCTION OF RESIDENTIAL DWELLING (S+6) FLOORS TOTAL TENEMENTS 426 NOS AT APPAVOO NAGAR & SUBBU PILLAI THOTTAM PHASE-I, 3/3, T.S.NO. 3/1 PART, BLOCK NO.29 AT CHENNAI OF MAMBALAM VILLAGE.
AS SHOWN	TITLE:	
	LOCATION:	
JOB NO:	DRG. TITLE:	FRAMING PLAN AT 1st SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
06-2023		
DRG. NO.		REV. NO.
06-23/APP/BLK-4/SD/STR-02		R-1

		1		2		3						
SCHEDULE OF PILE & PILE CAP												
SR. NO.	COLUMN NOS	BORED CAST-IN-SITU PILE		PILE CAP ID	CAST-IN-SITU PILE CAP							
		DIA OF PILE	MAIN REINF		PILE SIZE		MAIN BARS		RINGS		PILE CAP TOP	
					L	B	D	BOTTOM	TOP	VERTICAL	HORIZON	TOP
1	C1-C10,C19-C38,C42-C52,C46-C55,C49-C58	2-500 Ø	6-16#	PC1	3550	800	750	8-16#	7-16#	4L-8# @ 150 C/C	3-12#	-750
2	C11-C13,C19-C21,C27-C36,C18-C17,C43-C53,C47-C56,C48-C57	1-500 Ø + 1-600 Ø	6-16# (FOR 500 Ø) 7-16# (FOR 600 Ø)	PC2	3600	900	750	7-16#	7-16#	4L-8# @ 150 C/C	3-12#	-750
3	C4-C13+C23	3-600 Ø	7-16#	PC3	6800	900	750	7-16#	7-16#	4L-8# @ 100 C/C	3-12#	-750
4	C5-C6,C14-C15,C24-C25	2-500 Ø	6-16#	PC4	3025	800	750	8-25#	7-16#	4L-8# @ 100 C/C	3-12#	-750
5	C19-C30	2-500 Ø	6-16#	PC5	3550	800	750	8-16#	7-16#	2L-8# @ 100 C/C	3-12#	-750
6	C20-C21,C21-C22,C22-C23,C26-C37,C27-C28,C28-C29,C29-C40	2-500 Ø	6-16#	PC6	2650	800	750	8-16#	8-16#	2L-8# @ 90 C/C	3-12#	-750
7	C36,C35,C54	2-500 Ø	6-16#	PC7	2300	800	750	8-25#	8-16#	4L-8# @ 125 C/C	3-12#	-750
8	C34-C35+C44-C45	4-500 Ø	6-16#	PC8	REFER PLAN	750	12# @ 100 C/C BOTHWAYS	12# @ 100 C/C BOTHWAYS			3-12#	-1800
9	C41-C50	2-500 Ø	6-16#	PC9	2900	800	750	7-16#	6-16#	2L-8# @ 100 C/C	3-12#	-750

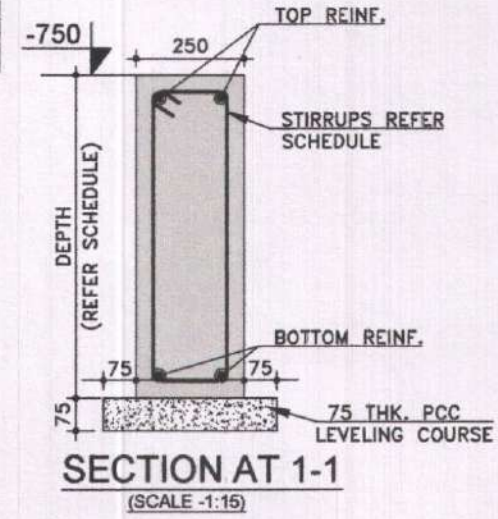
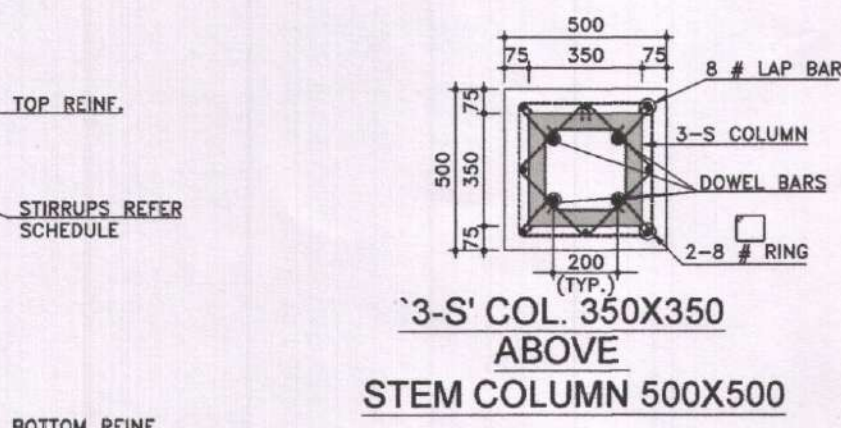
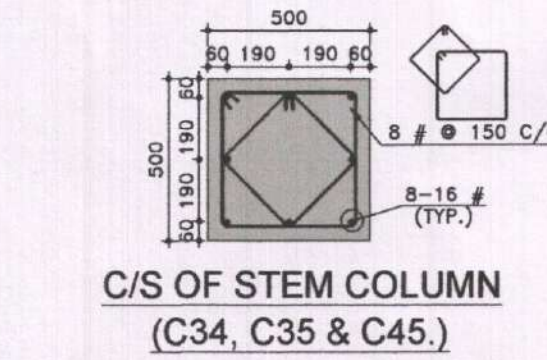
SCHEDULE OF DOWEL BARS (FOR PILE CAP LVL TO 3S COLUMN CONNECTION)			
SR. NO.	COLUMN NO.	COLUMN SIZE	DOWEL BARS
1	C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100	450X450	4-25#
2	C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100	350X350	4-25#
3	C1, C9, C58	450X450	4-25# + 4-20#

GRADE BEAM DETAILS									
SL. NO.	BEAM ID	BEAM SIZE	BOTTOM REINFORCEMENT THROUGH BEAM	TOP THROUGH REINFORC.	TOP EXTRA REINFORC.	END ZONE	MID ZONE	STIRRUPS	
1	GB1	250X750	2-20# + 1-16#	3-16#	2-20#	2L-8# @ 60 C/C	2L-8# @ 200 C/C		
2	GB2	250X750	2-20# + 1-16#	2-16#	2-20#	2L-8# @ 60 C/C	2L-8# @ 200 C/C		
3	GB3	250X750	2-12#	2-12#		2L-8# @ 200 C/C	2L-8# @ 200 C/C		
4	GB4	250X750	2-16# + 1-12#	2-16#		2L-8# @ 60 C/C	2L-8# @ 200 C/C		
5	GB5	250X750	2-16#	2-16#	2-16#	2L-8# @ 60 C/C	2L-8# @ 200 C/C		
6	GB6	250X750	2-20#	2-16#	2-16#	2L-10# @ 60 C/C	2L-10# @ 90 C/C		
7	GB7	250X750	3-20#	2-16#	2-20#	2L-10# @ 60 C/C	2L-10# @ 90 C/C		
8	GB8	250X750	2-20#	2-16#		2L-8# @ 60 C/C	2L-8# @ 200 C/C		
9	GB9	250X750	2-25# + 1-20#	3-16#	3-20#	2L-8# @ 60 C/C	2L-8# @ 125 C/C		
10	GB10	250X750	2-20#	2-16#		2L-8# @ 60 C/C	2L-8# @ 125 C/C		
11	GB11	250X350	2-12#	2-12#		2L-8# @ 125 C/C			

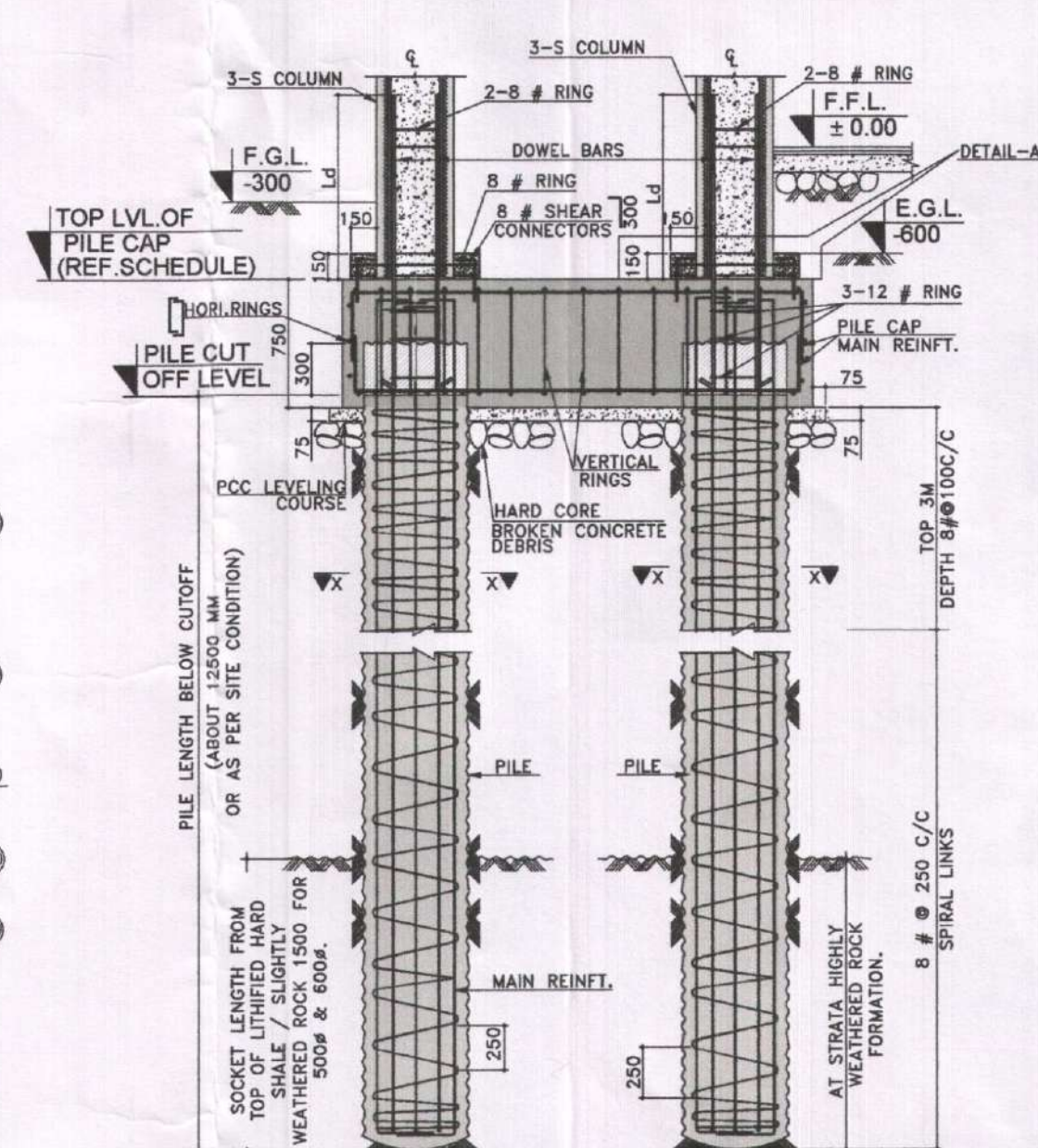
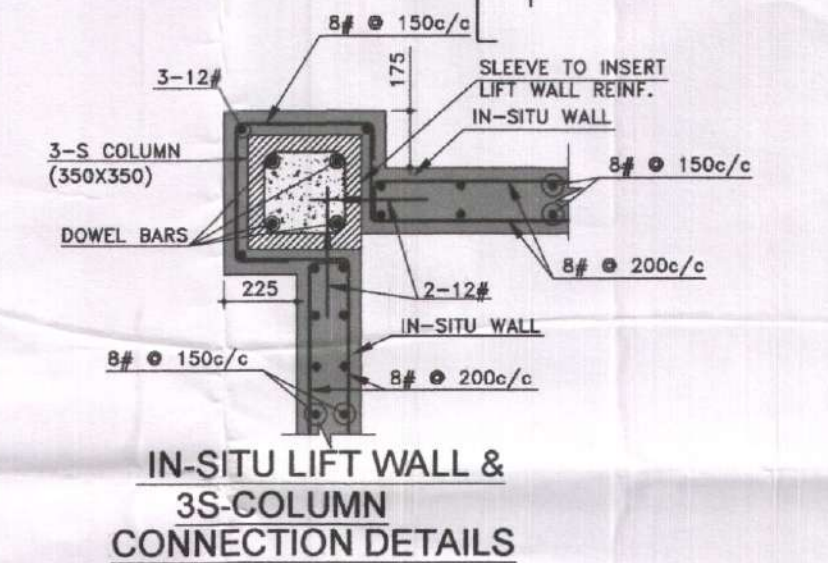


PILE, PILE CAP & GRADE BEAM LAYOUT

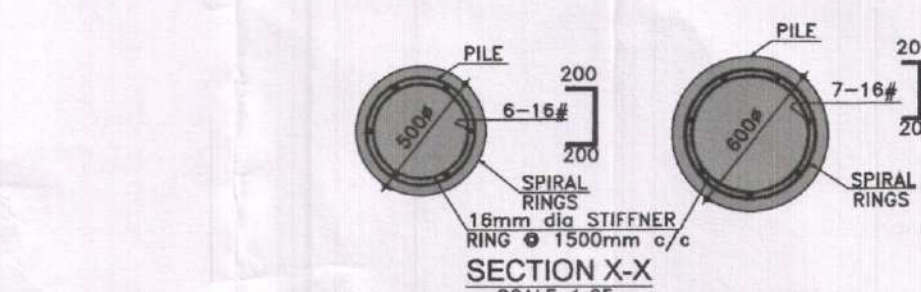
LEGEND:	PROPOSED NUMBERS	MAX. PILE CAPACITY	MAX. WORKING LOAD/ PILE
⊗	500 Ø PILE	51	120 T
⊕	800 Ø PILE	10	180 T



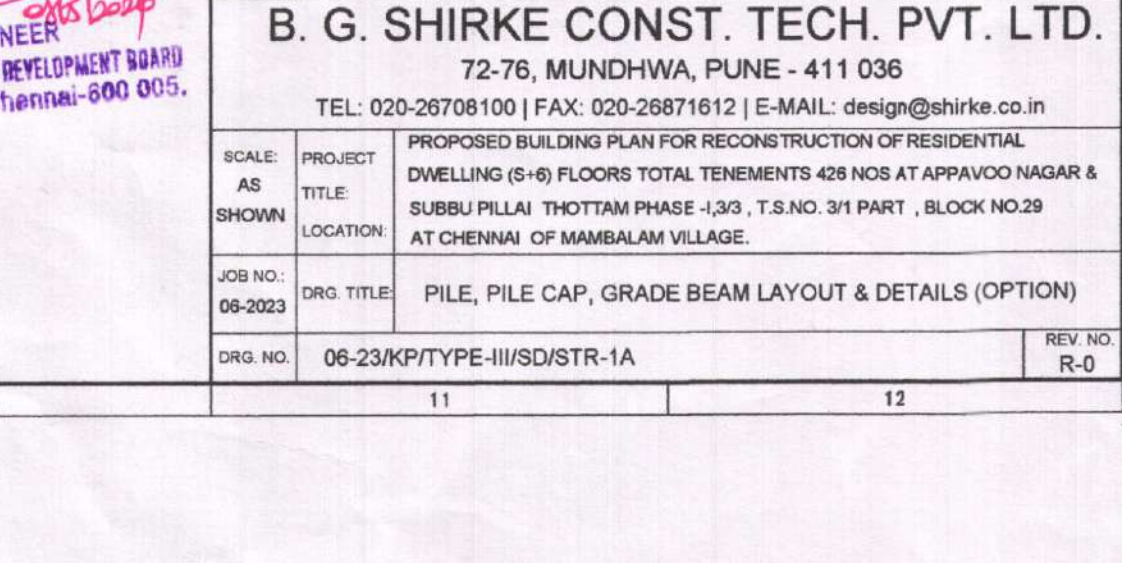
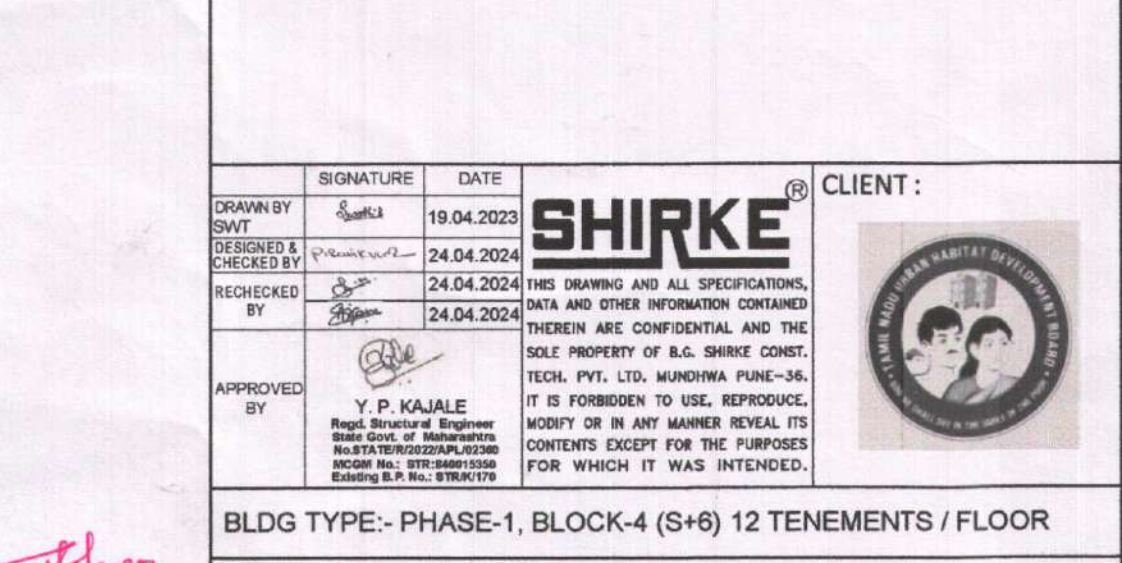
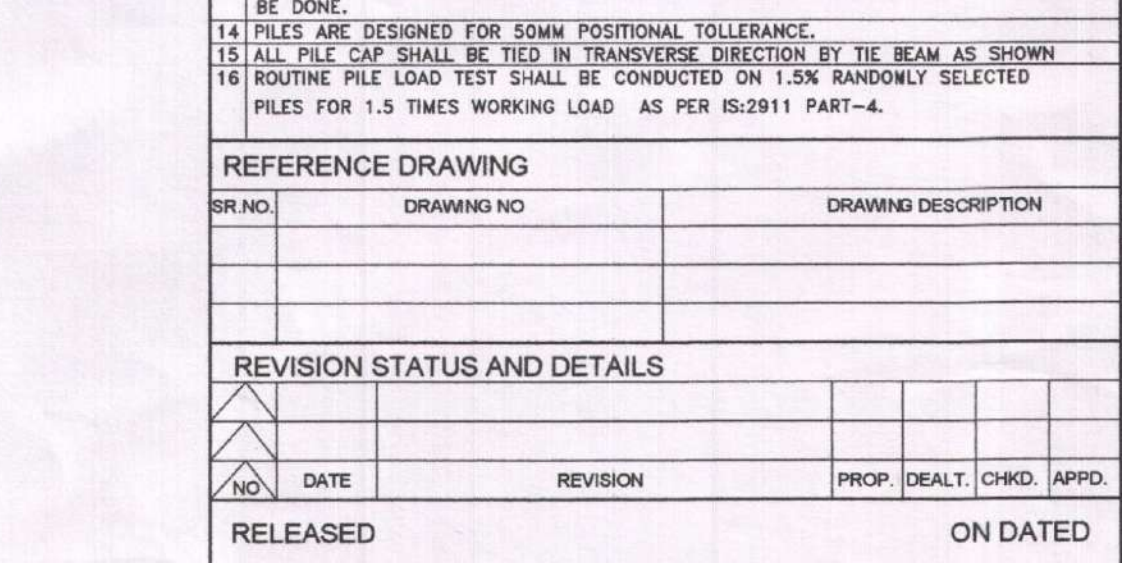
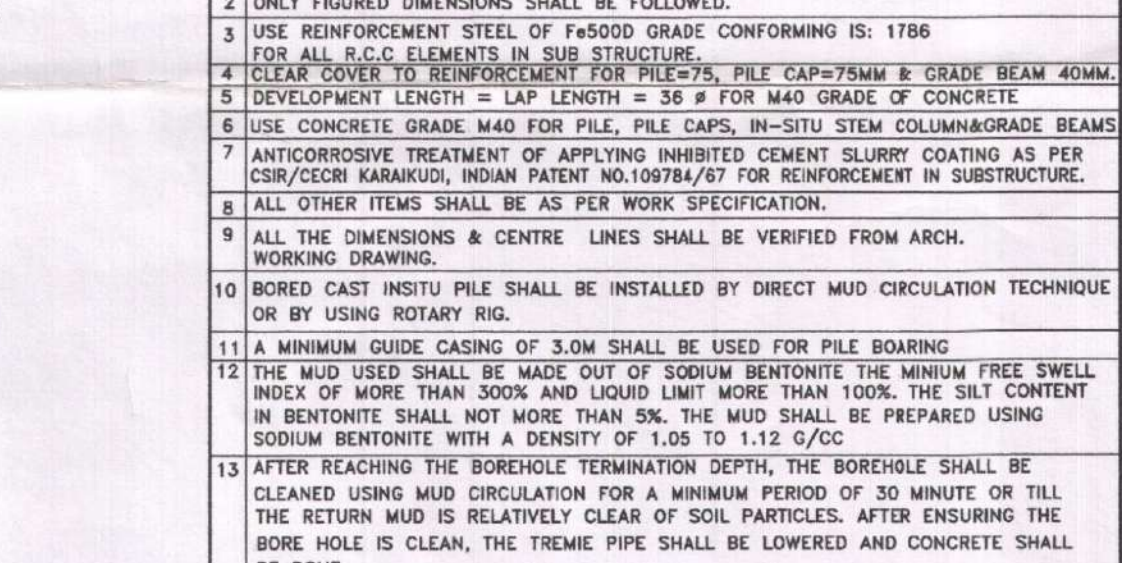
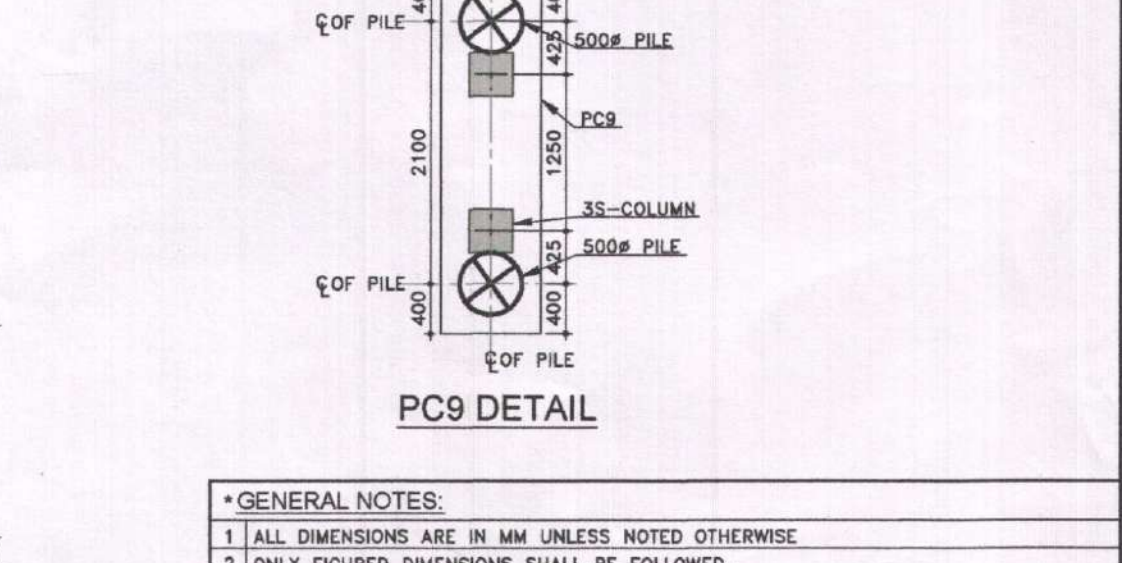
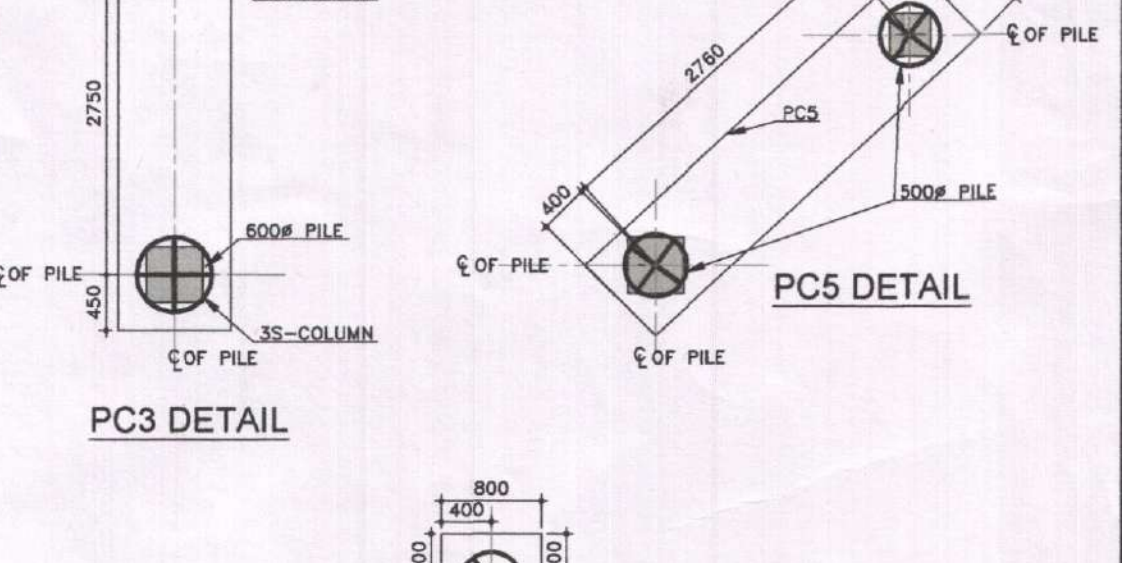
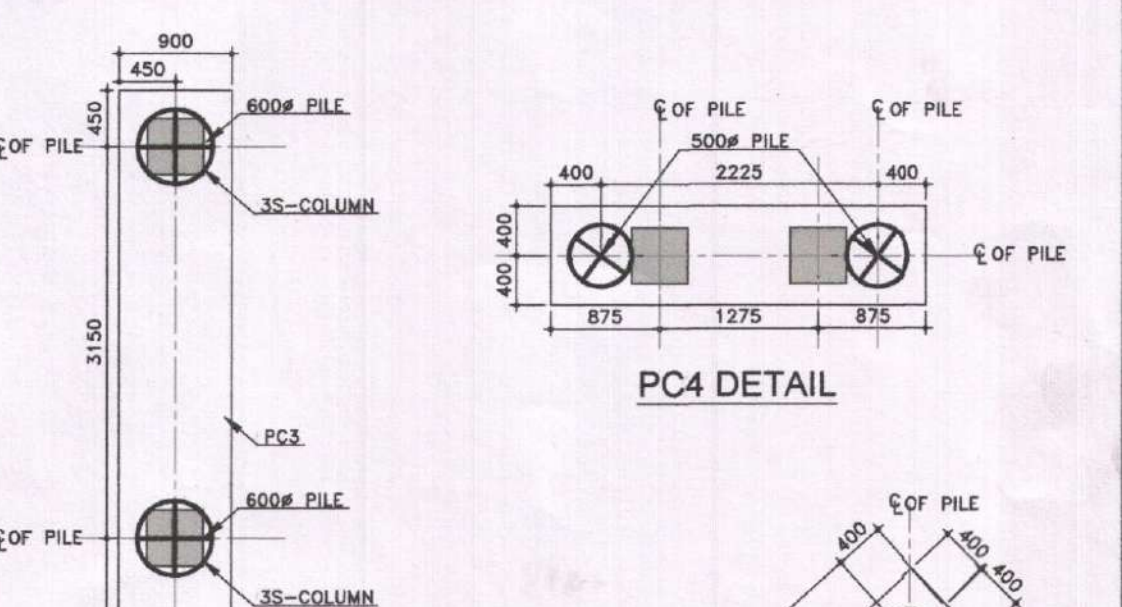
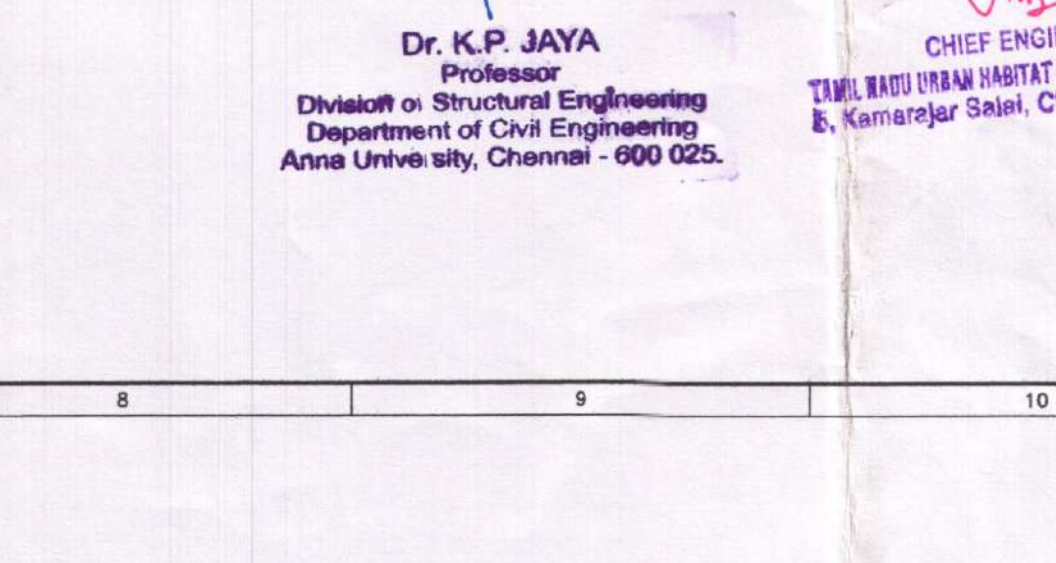
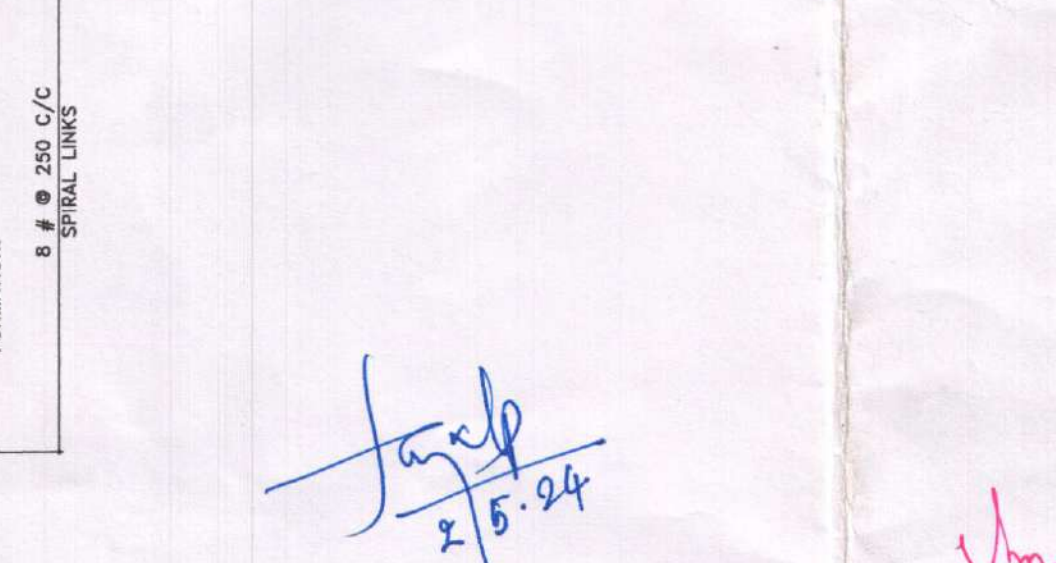
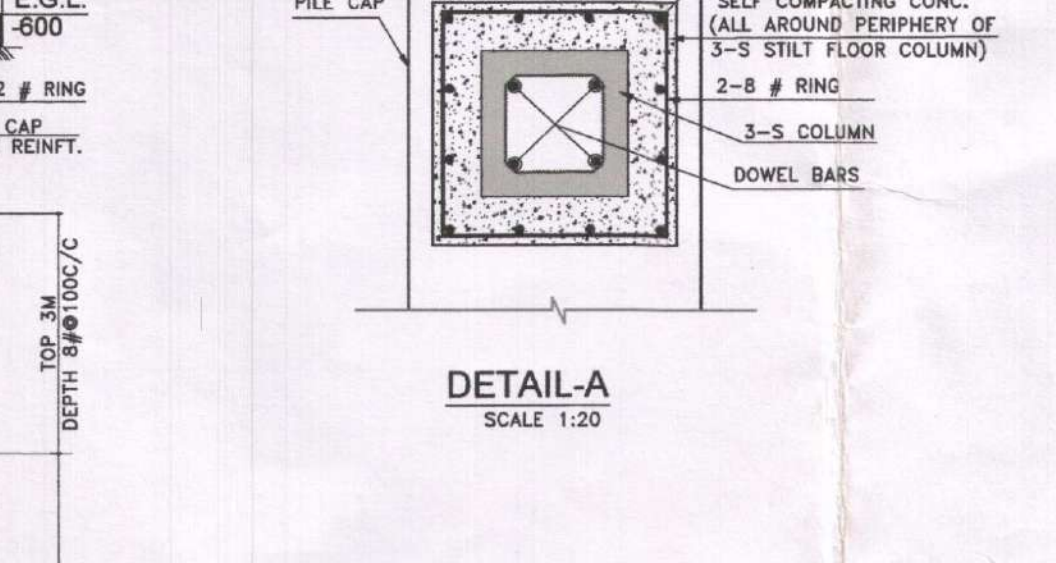
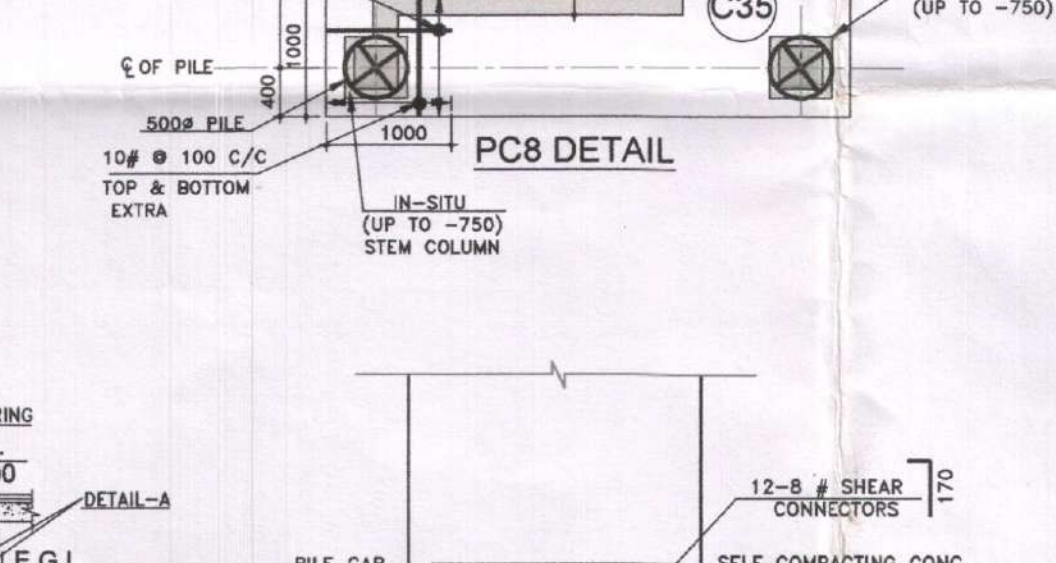
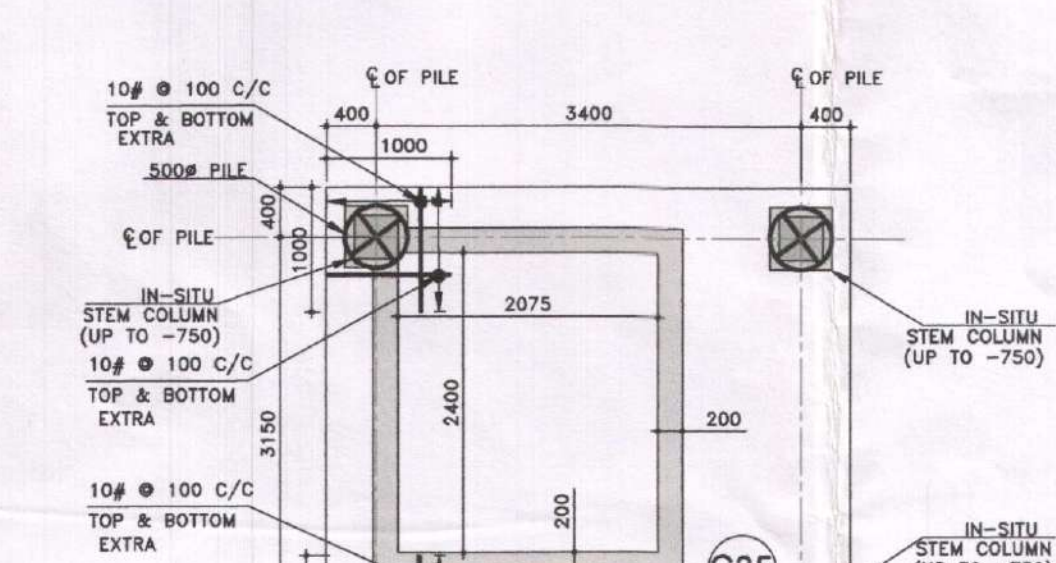
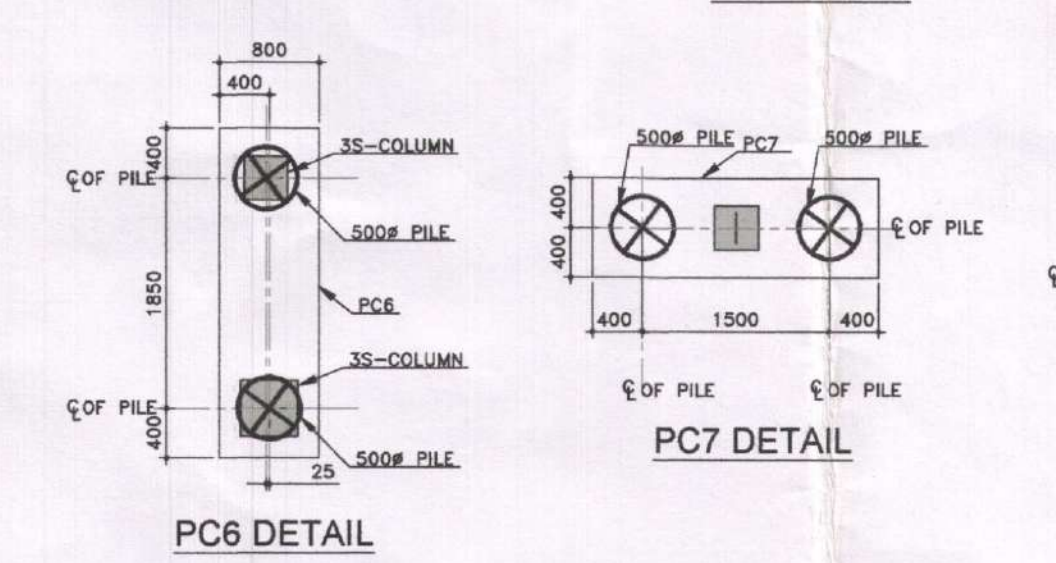
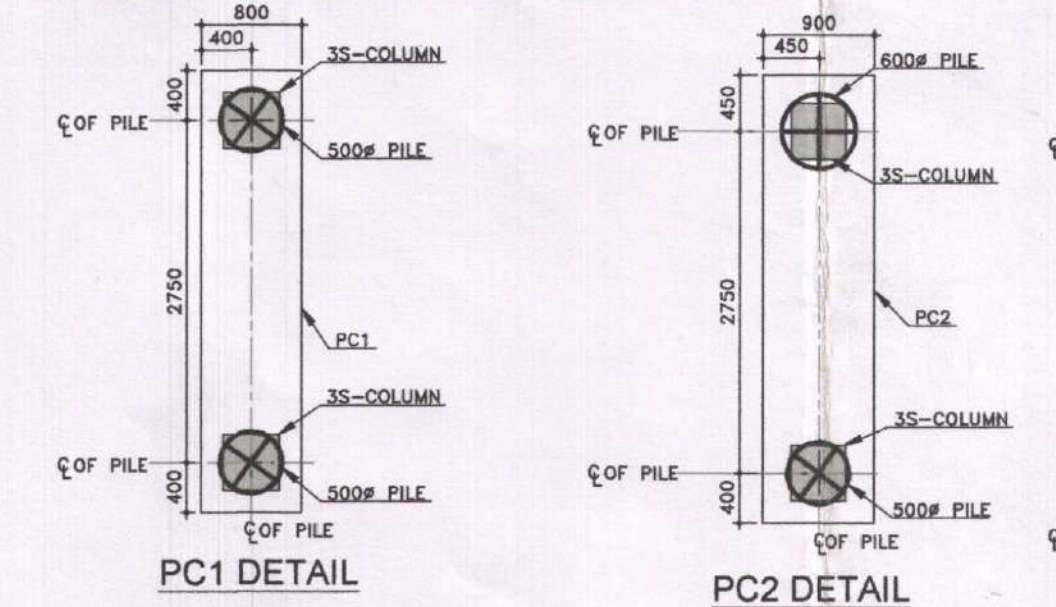
C/S OF STEM COLUMN FOR C44.



TYP. C/S OF PILE, PILECAP & 3-S COLUMN FOR DOUBLE PILE



SECTION X-X



- * GENERAL NOTES:**
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
 - ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
 - USE REINFORCEMENT STEEL OF 18500 GRADE CONFORMING IS: 1786 FOR ALL R.C.C. ELEMENTS IN SUB STRUCTURE.
 - CLEAR COVER TO REINFORCEMENT FOR PILE=75, PILE CAP=75MM & GRADE BEAM 40MM.
 - DEVELOPMENT LENGTH = LAP LENGTH = 36 Ø FOR M40 GRADE OF CONCRETE.
 - USE CONCRETE GRADE M40 FOR PILE, PILE CAPS, IN-SITU STEM COLUMN & GRADE BEAMS.
 - ANTICORROSIVE TREATMENT OF APPLYING INHIBITED CEMENT SLURRY COATING AS PER CSR/CECRI KARAIKUDI, INDIAN PATENT NO.109784/67 FOR REINFORCEMENT IN SUBSTRUCTURE.
 - ALL OTHER ITEMS SHALL BE AS PER WORK SPECIFICATION.
 - ALL THE DIMENSIONS & CENTRE LINES SHALL BE VERIFIED FROM ARCH. WORKING DRAWING.
 - BORED CAST IN-SITU PILE SHALL BE INSTALLED BY DIRECT MUD CIRCULATION TECHNIQUE OR BY USING ROTARY RIG.
 - A MINIMUM GUIDE CASING OF 3.0M SHALL BE USED FOR PILE BORING.
 - THE MUD USED SHALL BE MADE OUT OF SODIUM BENTONITE. THE MINIMUM FREE SWELL INDEX OF MORE THAN 300% AND LIQUID LIMIT MORE THAN 100%. THE SILT CONTENT IN BENTONITE SHALL NOT MORE THAN 5%. THE MUD SHALL BE PREPARED USING SODIUM BENTONITE WITH A DENSITY OF 1.05 TO 1.12 G/CC.
 - AFTER REACHING THE BOREHOLE TERMINATION DEPTH, THE BOREHOLE SHALL BE CLEANED USING MUD CIRCULATION FOR A MINIMUM PERIOD OF 30 MINUTE OR TILL THE RETURN MUD IS RELATIVELY CLEAR OF SOIL PARTICLES. AFTER ENSURING THE BORE HOLE IS CLEAN, THE TREMIE PIPE SHALL BE LOWERED AND CONCRETE SHALL BE DONE.
 - PILES ARE DESIGNED FOR 50MM POSITIONAL TOLERANCE.
 - ALL PILE CAP SHALL BE TIED IN TRANSVERSE DIRECTION BY THE BEAM AS SHOWN.
 - ROUTINE PILE LOAD TEST SHALL BE CONDUCTED ON 1.5X RANDOMLY SELECTED PILES FOR 1.5 TIMES WORKING LOAD AS PER IS:2911 PART-4.

REFERENCE DRAWING	
SR. NO.	DRAWING NO.

REVISION STATUS AND DETAILS	
NO.	REVISION

RELEASED	
DATE	REVISION

SIGNATURE	
DATE	

BLDG TYPE:- PHASE-1, BLOCK-4 (S+G) 12 TENEMENTS / FLOOR

B. G. SHIRKE CONST. TECH. PVT. LTD.

72-76, MUNDHWA, PUNE - 411 036

TEL: 020-26708100 | FAX: 020-26871612 | E-MAIL: design@shirke.co.in

PROPOSED BUILDING PLAN FOR RECONSTRUCTION OF RESIDENTIAL DWELLING (S+G) FLOORS TOTAL TENEMENTS 426 NOS AT APPAYVOO NAGAR & SUBBU PILLAI THOTTAM PHASE -1/30, T.S.NO. 31 PART, BLOCK NO.28 AT CHENNAI OF MAMBALAM VILLAGE.

JOB NO: 06-2023
DRG. TITLE: PILE, PILE CAP, GRADE BEAM LAYOUT & DETAILS (OPTION)
DRG. NO: 06-23/KP/TYPE-III/SD/STR-1A

REV NO: R-0

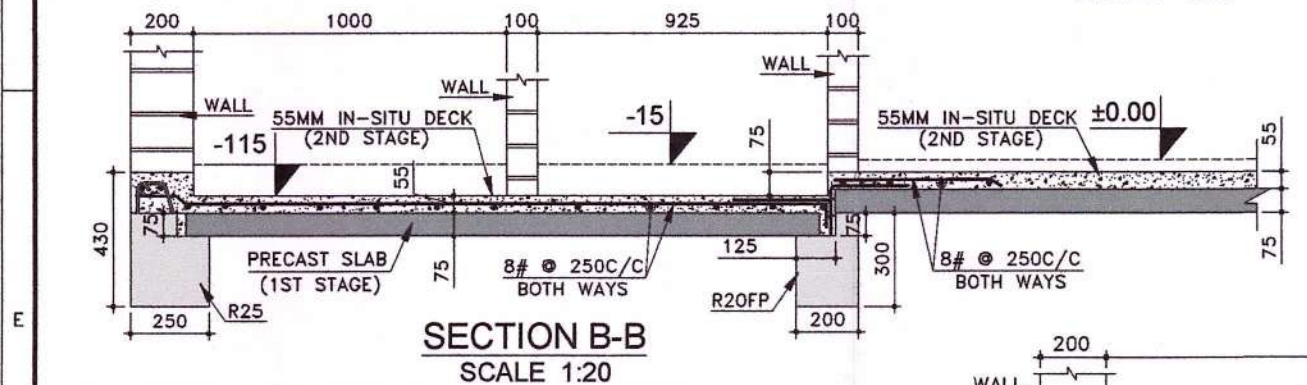
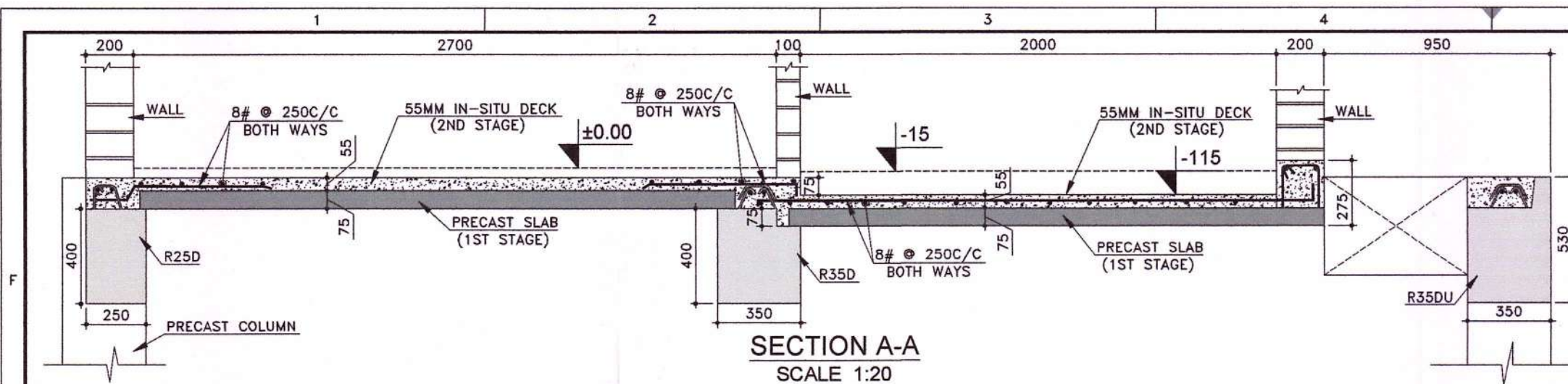
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Dr. K.P. JAYA
Professor
Division of Structural Engineering
Department of Civil Engineering
Anna University, Chennai - 600 025.

Handwritten signature and date: 25.04

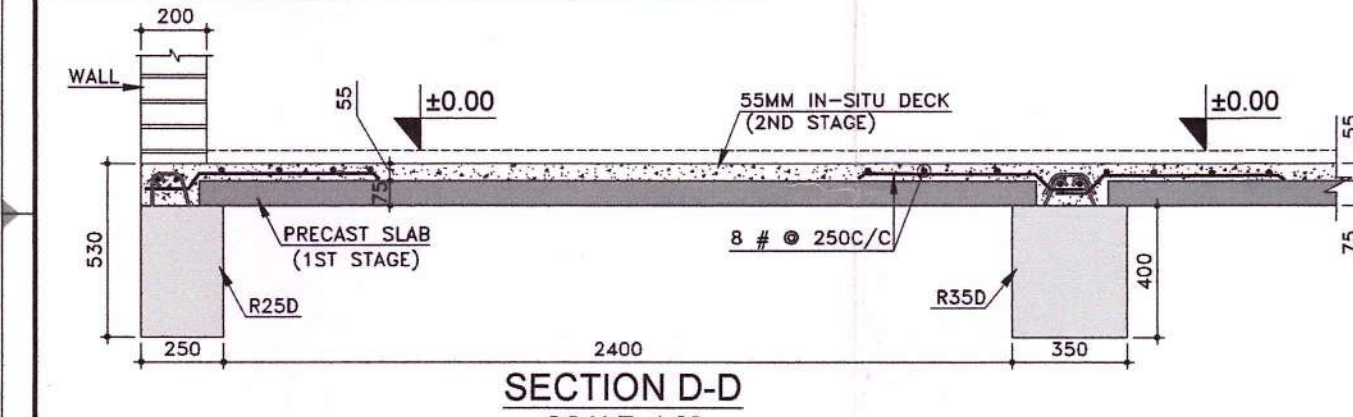
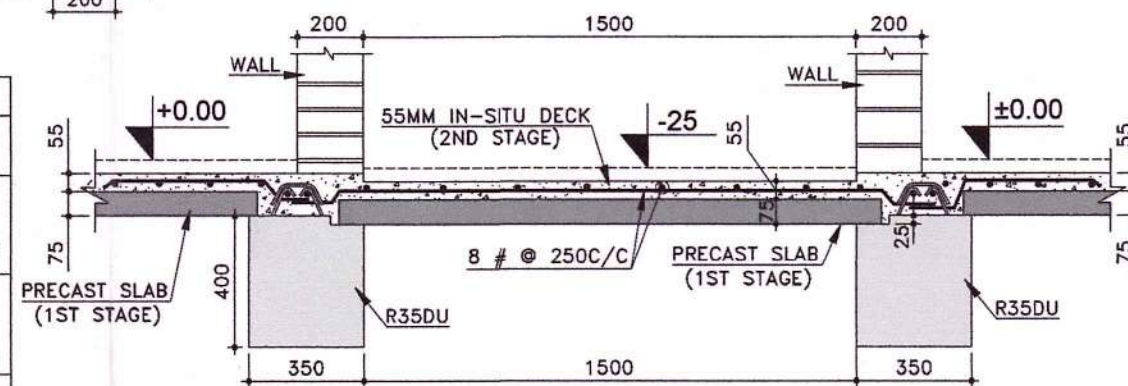
CHIEF ENGINEER
TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD
B. Kamarajar Salai, Chennai-600 005.





LEGEND

SR. NO.	ID	DESCRIPTION	REMARK
1		PRECAST SLAB PANELS	130 THK. SLAB i.e. 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED
2		PRECAST SLAB PANELS	130 THK. SLAB i.e. 25 MM SUNK & 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED
3		PRECAST SLAB PANELS	130 THK. SLAB i.e. 115 MM SUNK & 75 THK. PRECAST SLAB + 55THK. IN-SITU SCREED



SCHEDULE OF PRECAST RCC SLAB AT 2ND TO 6TH SLAB LVL
CLEAR COVER=25MM, CONC. GRADE=M40, STEEL GRADE=Fe500D

SR. NO.	SLAB ID	SLAB SIZE		COMPOSITE SLAB DECK		MAIN STEEL	DISTRIBUTION STEEL	REMARK
		SPAN	WIDTH	PRECAST SLAB	IN SITU			
1	S1	2550	2755	75	55	8# @ 200C/C	8# @ 250 C/C	
2	S2	2550	2075	75	55	8# @ 200C/C	8# @ 250 C/C	
3	S3	2550	2730	75	55	8# @ 200C/C	8# @ 250 C/C	
4	S4	2025	2250	75	55	8# @ 200C/C	8# @ 250 C/C	
5	S5	2855	2850	75	55	8# @ 200C/C	8# @ 250 C/C	
6	S6	2000	2250	75	55	8# @ 200C/C	8# @ 250 C/C	
7	S7	1450	750	75	55	8# @ 200C/C	8# @ 250 C/C	
8	S8	2705	2850	75	55	8# @ 200C/C	8# @ 250 C/C	
9	S9	2100	4150	75	55	8# @ 150C/C	8# @ 250 C/C	
10	S19	2550	2000	75	55	8# @ 200C/C	8# @ 250 C/C	
11	S20	925	525	75	55	8# @ 200C/C	8# @ 250 C/C	
12	S21	1050	2805	75	55	8# @ 150C/C	8# @ 250 C/C	
13	S22	2730	2850	75	55	8# @ 200C/C	8# @ 250 C/C	
14	S23	2550	2100	75	55	8# @ 200C/C	8# @ 250 C/C	
15	S31	2880	2850	75	55	8# @ 200C/C	8# @ 250 C/C	
16	S51	2630	2850	75	55	8# @ 200C/C	8# @ 250 C/C	
17	S52	1650	3335	75	55	8# @ 150 C/C	8# @ 250 C/C	
18	S53	2100	3050	75	55	8# @ 150 C/C	8# @ 250 C/C	
19	S54	1650	2950	75	55	8# @ 150 C/C	8# @ 250 C/C	
20	STR-1	3050	1425	125	55	10# @ 150C/C	8# @ 230 C/C	
21	STR-2	3050	1425	125	55	10# @ 150C/C	8# @ 230 C/C	

SCHEDULE OF '3-S' COLUMN
CONC. GRADE M40, STEEL GRADE - Fe500D

SR. NO.	COLUMN NO.	1ST FLOOR COLUMN		2ND TO 5TH FLOOR COLUMN		LATERAL TIES		REMARKS
		COLUMN SIZE	MAIN REINF.	COLUMN SIZE	MAIN REINF.	END ZONE	MID ZONE	
1	C2, C3, C4, C7, C8, C53, C54, C55, C56, C57, C1, C5, C6, C9, C14, C15, C19, C20, C21, C22, C24, C25, C26, C27, C28, C29, C32, C33, C37, C38, C39, C40, C52, C58.	350X350	4-16#	350X350	4-16#	8# @ 75 C/C	8# @ 175 C/C	
2	C10, C11, C12, C16, C17, C18, C23, C30, C31, C34, C35, C36, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51.	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
3	C13	350X350	8-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	

SCHEDULE OF PRECAST BEAMS AT 2ND TO 6TH FLOOR SLAB LEVEL
CLEAR COVER=30MM, CONC. GRADE=M40, STEEL GRADE=Fe500D

SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT			STIRRUPS	
				THRO.	CURTAIL	NEAR	MIDDLE	FAR	END ZONE	MID ZONE
1	B1	R25D	250x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 170 C/C
2	B2	R25D	250x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 170 C/C
3	B3	R25FP	250x415	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 100 C/C	
4	B5	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 90C/C	2L-8# @ 120 C/C
5	B5A	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 90C/C	2L-8# @ 120 C/C
6	B6	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 100C/C	2L-8# @ 120 C/C
7	B7	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 100C/C	2L-8# @ 120 C/C
8	B7A	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 100C/C	2L-8# @ 120 C/C
9	B9	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L-8# @ 190 C/C	
10	B10	R25	250x430	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 190 C/C	
11	B13	R35	350x430	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
12	B14	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
13	B15	R25	250x430	2-16#	-	2-16#	2-12#	2-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
14	B18	R35D	350x530	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
15	B19	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C
16	B25	R35D	350x530	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
17	B26	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 75 C/C	2L-8# @ 130 C/C
18	MB29	R25C	250x430	2-16#	-	2-20#	2-16#	2-20#	2L-8# @ 200 C/C	
19	B30	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
20	B31	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
21	B31A	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
22	B32	R20FP	200x300	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 140 C/C	
23	B32A	R20FP	200x300	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 140 C/C	
24	B33	R25	250x430	2-12#	2-10#	2-12#	2-12#	2-12#	2L-8# @ 250 C/C	
25	B34	R35	350x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
26	B35	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
27	B36	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
28	B37	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
29	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#	2L-8# @ 200 C/C	
30	B39	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C
31	B40	R25U	250x430	2-16#+2-12#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L-10# @ 70 C/C	2L-10# @ 70 C/C
32	B41	R35U	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
33	B41A	R35U	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
34	B42	R35U	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 70 C/C	
35	B42A	R35U	350x430	2-16#	-	4-16#	2-16#	4-16#	2L-8# @ 70 C/C	
36	B43	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
37	B44	R25	250x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 90 C/C
38	2MB45	R30	300x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 90 C/C
39	B51	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C
40	B52	R25D	250x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 170 C/C
41	B53A	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 120 C/C
42	B64A	R35DU	350x530	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L-8# @ 100 C/C	2L-8# @ 140 C/C
43	B83	R35DU	350x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 100 C/C	2L-8# @ 140 C/C
44	B83A	R35DU	350x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 100 C/C	2L-8# @ 140 C/C
45	B90	R25U	250x430	4-16#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 110 C/C
46	B91	R25	250x430	2-20#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L-8# @ 75 C/C	2L-8# @ 190 C/C
47	B101	R35DU	350x530	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 150 C/C
48	B102	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L-8# @ 75 C/C	2L-8# @ 100 C/C
49	B103	R35U	350x430	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 175 C/C	
50	B104	R25/R35	250/350x430	2-16#	2-12#	2-12#	2-12#	2-12#	2L-8# @ 75 C/C	2L-8# @ 125 C/C

*** GENERAL NOTES:**

- 1 ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
- 2 ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.

REFERENCE DRAWING

SR. NO.	DRAWING NO	DRAWING DESCRIPTION

REVISION STATUS AND DETAILS

NO	DATE	REVISION	PROF.	DEALT.	CHKD.	APPD.
R1	24.04.2024	REVISED AS PER CLIENTS COMMENTS				

RELEASED ON DATED

SHIRKE

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DRAWN BY: *[Signature]* DATE: 06.01.2024

DESIGNED & CHECKED BY: *[Signature]* DATE: 20.01.2024

RECHECKED BY: *[Signature]* DATE: 20.01.2024

APPROVED BY: *[Signature]* DATE: 20.01.2024

Y. P. KAJALE
Regd. Structural Engineer
State Govt. of Maharashtra
No. 37A/101/2022/22/2023
MCOB No. STR-840915350
Expiring @ P. No.: STR/170

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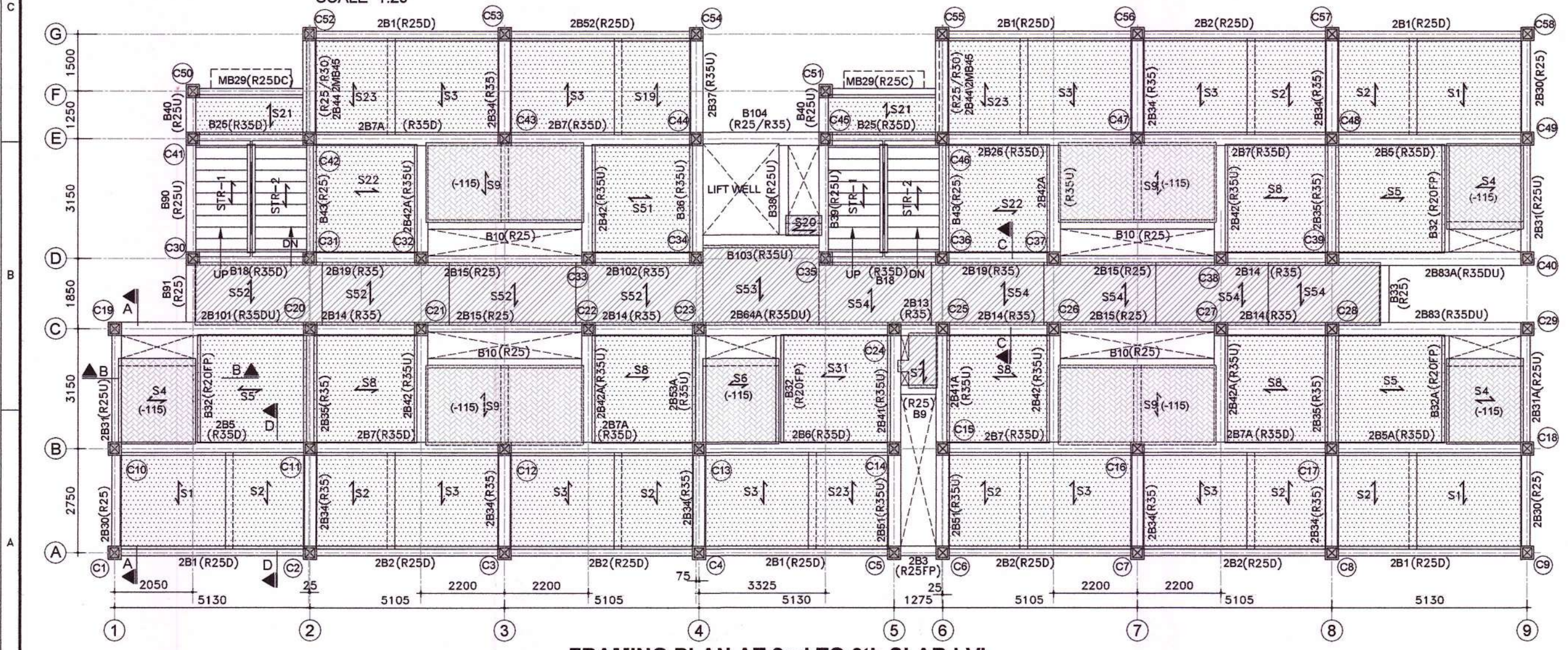
BLDG TYPE:- PHASE-1, BLOCK-4 (S+6) 12 TENEMENTS / FLOOR

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SCALE: AS SHOWN PROJECT: PROPOSED BUILDING PLAN FOR RECONSTRUCTION OF RESIDENTIAL DWELLING (S+6) FLOORS TOTAL TENEMENTS 426 NOS AT APPAVO NAGAR & SUBBU PILLAI THOTTAM PHASE 1,3/3, T.S.NO. 3/1 PART, BLOCK NO.29 AT CHENNAI OF MAMBALAM VILLAGE.

JOB NO.: 06-2023 DRG. TITLE: FRAMING PLAN AT 2nd to 6th SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.

DRG. NO. 06-23/APP/BLK-4/SD/STR-03 REV. NO. R-1



FRAMING PLAN AT 2nd TO 6th SLAB LVL.