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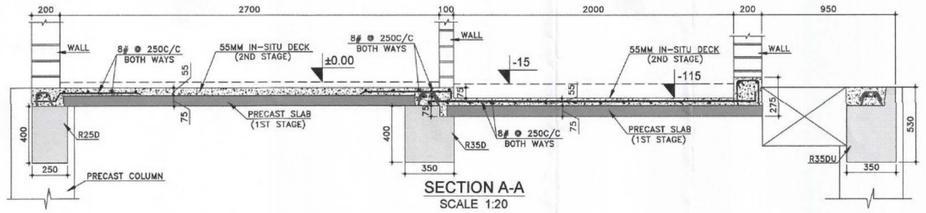
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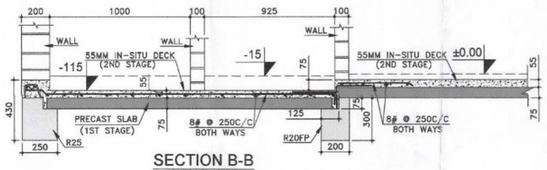
SCHEDULE OF PRECAST BEAMS AT 1ST SLAB LEVEL

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

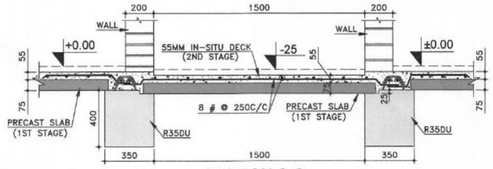
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT THRO.	BOTTOM REINFORCEMENT CURTAIL	TOP REINFORCEMENT NEAR	TOP REINFORCEMENT MIDDLE	TOP REINFORCEMENT FAR	STIRRUPS END ZONE	STIRRUPS MID ZONE
1	B1	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
2	B2	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
3	B3	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
4	B4	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
5	B5	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
6	B5A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
7	B6	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
8	B7	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
9	B7A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
10	B8	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 120 C/C	
11	B9	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C	
12	B10	R25	250x430	2-16#	2-12#	2-10#	2-10#	2-10#	2L - 8# @ 190 C/C	
13	B11	R35DU	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
14	B11A	R35DU	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
15	B12	R35U	350X430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
16	B13	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
17	B14	R35	350X430	2-20#+2-16#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 10# @ 75 C/C	2L - 10# @ 100 C/C
18	B15	R25	250x430	2-16#+2-12#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
19	B16	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
20	B17	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
21	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
22	B19	R35	350x430	4-16#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
23	B20	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
24	B21	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
25	B22	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
26	B22A	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
27	B23	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
28	B23A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
29	B24	R20/R25	200/250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 180 C/C
30	B25	R35D	350x530	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
31	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
32	B27	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
33	B28	R25U	250x430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 110 C/C	
34	MB29	R25	250x430	2-16#	-	4-16#	2-16#	2-16#	2L - 8# @ 160 C/C	
35	MB29A	R25	250x430	2-16#	-	2-16#	2-16#+2-12#	2-20#+2-16#	2L - 8# @ 160 C/C	
36	B30	R25	250x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
37	B31	R25U	250x430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
38	B31A	R25U	250x430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
39	B32	R20FP	200x300	2-16#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 110 C/C	
40	B32A	R20FP	200x300	2-16#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 110 C/C	
41	B33	R25	250x430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 180 C/C	
42	B34	R35	350x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 75 C/C
43	B35	R35	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
44	B36	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 120 C/C
45	B37	R35U	350x430	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 10# @ 75 C/C	2L - 10# @ 100 C/C
46	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 160C/C	
47	B39	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 10# @ 50 C/C	2L - 10# @ 110 C/C
48	B40	R25U	250x430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
49	B41	R35U	350x430	2-20#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
50	B41A	R35	350x430	2-20#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
51	B42	R35U	350x430	2-16#		2-16#	2-16#	2-20#+2-16#	2L - 8# @ 90 C/C	
52	B42A	R35U	350x430	2-16#		2-16#	2-16#	2-20#+2-16#	2L - 8# @ 90 C/C	
53	B43	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
54	B44	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
55	B44A	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
56	MB45	R30	300x430	4-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
57	MB45A	R30	300x430	4-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
58	B48	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
59	B48A	R35	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
60	B49	R25U	250X430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
61	B50	R25U	250X430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
62	B51	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
63	B52	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
64	B53	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
65	B53A	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
66	B54	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 120 C/C
67	B76	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C



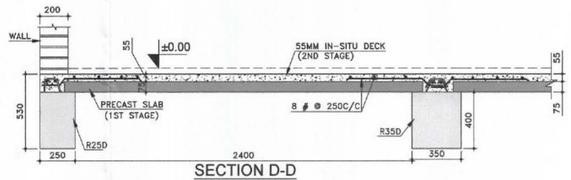
SECTION A-A
SCALE 1:20



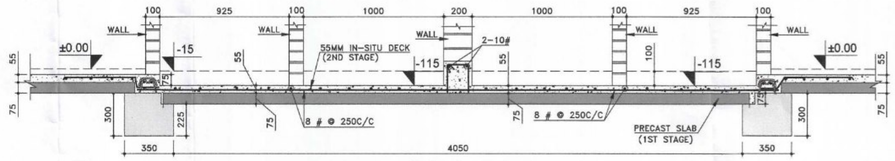
SECTION B-B
SCALE 1:20



SECTION C-C
SCALE 1:20



SECTION D-D
SCALE 1:20



SECTION E-E
SCALE 1:20

SCHEDULE OF PRECAST RCC SLAB AT 1ST SLAB LEVEL

CLEAR COVER=25MM, CONC.GRADE=M40, STEEL GRADE=Fe600D

SR.NO	SLAB ID	SLAB SIZE SPAN	SLAB SIZE WIDTH	COMPOSITE SLAB DECK PRECAST SLAB	COMPOSITE SLAB DECK IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK
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	3265	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	3480	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
14	S14	1650	3580	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
15	S15	2100	2825	75	55	9 # @ 150 C/C	8 # @ 250 C/C	
16	S16	1650	3240	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
17	S18	2755	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
18	S19	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
19	S20	925	525	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
20	S21	1050	2805	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
21	S22	2730	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
22	S23	2550	2100	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
23	S24	875	525	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
24	S25	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
25	S26/S26A	1075	2025	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
26	S27/S27A	875	2390	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
27	S72	1650	4115	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
28	STR-1	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE
29	STR-2	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE

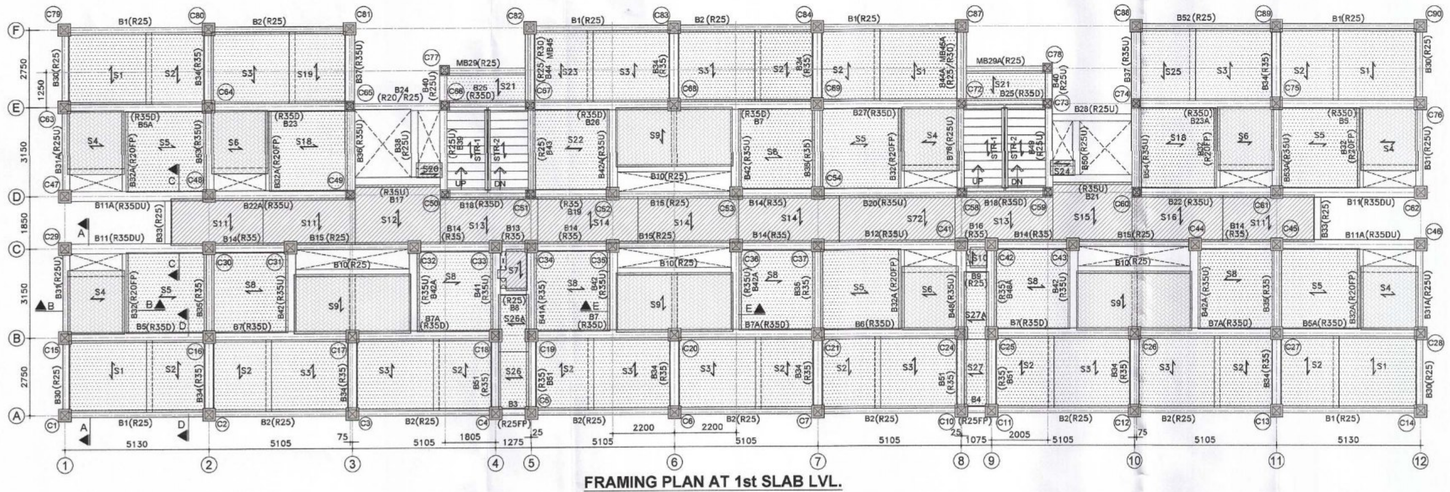
SCHEDULE OF '3-S' COLUMN

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

SR. NO	COLUMN. NO.	STILT FLOOR COLUMN SIZE	STILT FLOOR COLUMN MAIN REINF.	LATERAL TIES END ZONE	LATERAL TIES MID ZONE	REMARK
1	C1,C13,C14,C16,C17,C20,C21,C24,C25,C27, C36,C53,C68,C69,C75,C79,C89,C90	450X450	4-20#+4-16#	8# @ 85 C/C	8# @ 225 C/C	
2	C2,C4,C5,C10,C11,C12,C26,C29,C32,C34, C41,C43,C46,C47,C62,C80,C82	450X450	4-25#+4-20#	8# @ 85 C/C	8# @ 225 C/C	
3	C3,C48,C52,C61,C81	450X450	8-25#+4-20#	8# @ 85 C/C	8# @ 225 C/C	
4	C6,C7,C15,C28,C63,C76,C83,C84	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
5	C18,C19,C31,C37,C44,C54,C64,C87	450X450	8-20#	8# @ 85 C/C	8# @ 225 C/C	
6	C30,C33,C35,C45,C60,C88	450X450	8-25#	8# @ 85 C/C	8# @ 225 C/C	
7	C42	450X450	12-25#	8# @ 85 C/C	8# @ 225 C/C	
8	C78	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
9	C49,C51,C58,C67	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
10	C50	350X350	4-20#+4-16#	8# @ 75 C/C	8# @ 175 C/C	
11	C59,C77	350X350	8-20#	8# @ 75 C/C	8# @ 175 C/C	
12	C65,C72	350X350	8-25#+4-20#	8# @ 75 C/C	8# @ 175 C/C	
13	C66,C73,C74	350X350	4-25#+4-20#	8# @ 75 C/C	8# @ 175 C/C	

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



FRAMING PLAN AT 1st SLAB LVL.

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

*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	PROP.	DEALT.	CHKD.	APPD.
R1	12-06-2024	REVISED AS PER CLIENTS COMMENTS				

RELEASED ON DATED

	SIGNATURE	DATE
DRAWN BY SWT		23.01.2024
DESIGNED & CHECKED BY		31.01.2024
RECHECKED BY		31.01.2024
APPROVED BY	Y. P. KAJALE Regn. Structural Engineer Engg. Structural Consultancy No:STR/No.0000/2009 MCQM No.: STR.0468/2020 Existing B.P. No.: STR/N/170	01.02.2024

SHIRKE®

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CLIENT :

BLDG TYPE:- TYPE-I (S+6) 16 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
JOB NO.: 08-2023	DRG. TITLE:	FRAMING PLAN AT 1st SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
DRG. NO.	08-23/KP/TYPE-I/SD/STR-02	REV NO. R-1

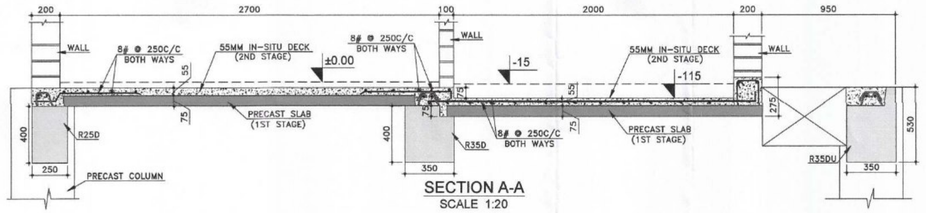
A1

K:\TN\PLOTS\WORKING\SD\2. SUBMISSION\DRAWING\KOTTUPURAM\FRAMING PLAN (16 TENAMENTS)\FRAMING PLAN TYPICAL (16 TENAMENTS) B.DWG

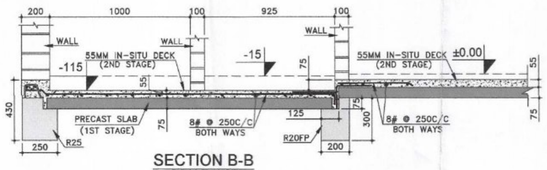
SCHEDULE OF PRECAST BEAMS AT 1ST SLAB LEVEL

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

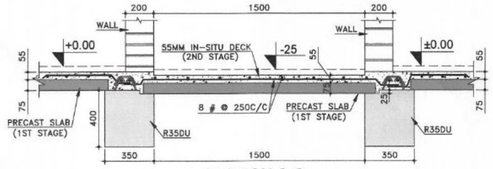
SR. NO.	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT THRO.	BOTTOM REINFORCEMENT CURTAIL	TOP REINFORCEMENT NEAR	TOP REINFORCEMENT MIDDLE	TOP REINFORCEMENT FAR	STIRRUPS END ZONE	STIRRUPS MID ZONE
1	B1	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
2	B2	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
3	B3	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
4	B4	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
5	B5	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
6	B5A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
7	B6	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
8	B7	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
9	B7A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
10	B8	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 120 C/C	
11	B9	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C	
12	B10	R25	250x430	2-16#	2-12#	2-10#	2-10#	2-10#	2L - 8# @ 190 C/C	
13	B11	R35DU	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
14	B11A	R35DU	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
15	B12	R35U	350X430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
16	B13	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
17	B14	R35	350X430	2-20#+2-16#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 10# @ 75 C/C	2L - 10# @ 100 C/C
18	B15	R25	250x430	2-16#+2-12#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
19	B16	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
20	B17	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
21	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
22	B19	R35	350x430	4-16#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
23	B20	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
24	B21	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
25	B22	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
26	B22A	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
27	B23	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
28	B23A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
29	B24	R20/R25	200/250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 180 C/C
30	B25	R35D	350x530	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
31	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
32	B27	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
33	B28	R25U	250x430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 110 C/C	
34	MB29	R25	250x430	2-16#	-	4-16#	2-16#	2-16#	2L - 8# @ 160 C/C	
35	MB29A	R25	250x430	2-16#	-	2-16#	2-16#+2-12#	2-20#+2-16#	2L - 8# @ 160 C/C	
36	B30	R25	250x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
37	B31	R25U	250x430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
38	B31A	R25U	250x430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
39	B32	R20FP	200x300	2-16#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 110 C/C	
40	B32A	R20FP	200x300	2-16#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 110 C/C	
41	B33	R25	250x430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 180 C/C	
42	B34	R35	350x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 75 C/C
43	B35	R35	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
44	B36	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 120 C/C
45	B37	R35U	350x430	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 10# @ 75 C/C	2L - 10# @ 100 C/C
46	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 160C/C	
47	B39	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 10# @ 50 C/C	2L - 10# @ 110 C/C
48	B40	R25U	250x430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
49	B41	R35U	350x430	2-20#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
50	B41A	R35	350x430	2-20#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
51	B42	R35U	350x430	2-16#		2-16#	2-16#	2-20#+2-16#	2L - 8# @ 90 C/C	
52	B42A	R35U	350x430	2-16#		2-16#	2-16#	2-20#+2-16#	2L - 8# @ 90 C/C	
53	B43	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
54	B44	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
55	B44A	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
56	MB45	R30	300x430	4-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
57	MB45A	R30	300x430	4-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
58	B48	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
59	B48A	R35	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
60	B49	R25U	250X430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
61	B50	R25U	250X430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
62	B51	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
63	B52	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
64	B53	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
65	B53A	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
66	B54	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 120 C/C
67	B76	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C



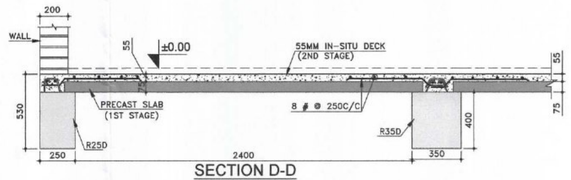
SECTION A-A
SCALE 1:20



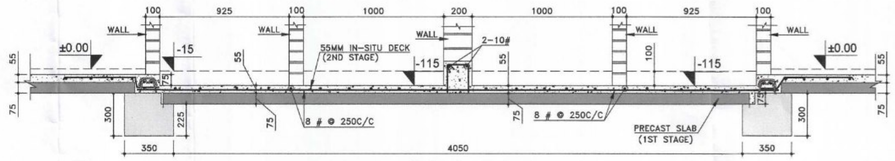
SECTION B-B
SCALE 1:20



SECTION C-C
SCALE 1:20



SECTION D-D
SCALE 1:20



SECTION E-E
SCALE 1:20

SCHEDULE OF PRECAST RCC SLAB AT 1ST SLAB LEVEL

CLEAR COVER=25MM, CONC.GRADE=M40, STEEL GRADE=Fe600D

SR.NO	SLAB ID	SLAB SIZE SPAN	SLAB SIZE WIDTH	COMPOSITE SLAB DECK PRECAST SLAB	COMPOSITE SLAB DECK IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK
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	3265	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	3480	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
14	S14	1650	3580	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
15	S15	2100	2825	75	55	9 # @ 150 C/C	8 # @ 250 C/C	
16	S16	1650	3240	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
17	S18	2755	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
18	S19	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
19	S20	925	525	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
20	S21	1050	2805	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
21	S22	2730	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
22	S23	2550	2100	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
23	S24	875	525	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
24	S25	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
25	S26/S26A	1075	2025	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
26	S27/S27A	875	2390	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
27	S72	1650	4115	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
28	STR-1	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE
29	STR-2	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE

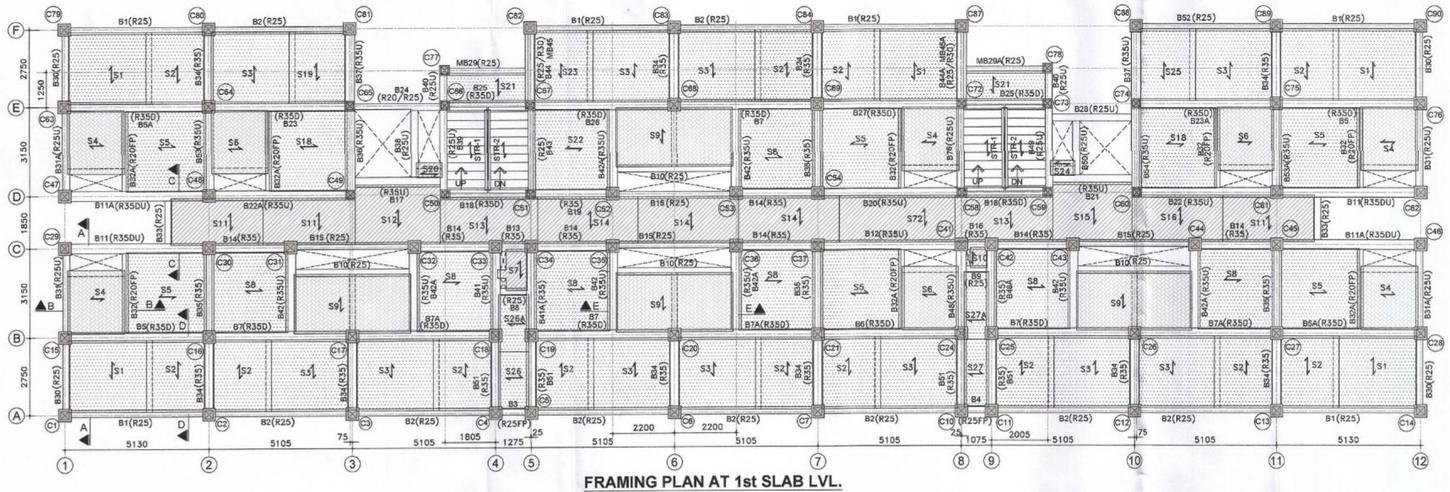
SCHEDULE OF '3-S' COLUMN

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

SR. NO	COLUMN. NO.	STILT FLOOR COLUMN SIZE	STILT FLOOR COLUMN MAIN REINF.	LATERAL TIES END ZONE	LATERAL TIES MID ZONE	REMARK
1	C1,C13,C14,C16,C17,C20,C21,C24,C25,C27, C36,C53,C68,C69,C75,C79,C89,C90	450X450	4-20#+4-16#	8# @ 85 C/C	8# @ 225 C/C	
2	C2,C4,C5,C10,C11,C12,C26,C29,C32,C34, C41,C43,C46,C47,C62,C80,C82	450X450	4-25#+4-20#	8# @ 85 C/C	8# @ 225 C/C	
3	C3,C48,C52,C61,C81	450X450	8-25#+4-20#	8# @ 85 C/C	8# @ 225 C/C	
4	C6,C7,C15,C28,C63,C76,C83,C84	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
5	C18,C19,C31,C37,C44,C54,C64,C87	450X450	8-20#	8# @ 85 C/C	8# @ 225 C/C	
6	C30,C33,C35,C45,C60,C88	450X450	8-25#	8# @ 85 C/C	8# @ 225 C/C	
7	C42	450X450	12-25#	8# @ 85 C/C	8# @ 225 C/C	
8	C78	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
9	C49,C51,C58,C67	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
10	C50	350X350	4-20#+4-16#	8# @ 75 C/C	8# @ 175 C/C	
11	C59,C77	350X350	8-20#	8# @ 75 C/C	8# @ 175 C/C	
12	C65,C72	350X350	8-25#+4-20#	8# @ 75 C/C	8# @ 175 C/C	
13	C66,C73,C74	350X350	4-25#+4-20#	8# @ 75 C/C	8# @ 175 C/C	

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



FRAMING PLAN AT 1st SLAB LVL.

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

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

*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	PROP.	DEALT.	CHKD.	APPD.
R1	12-06-2024	REVISED AS PER CLIENTS COMMENTS				

RELEASED ON DATED

	SIGNATURE	DATE
DRAWN BY SWT		23.01.2024
DESIGNED & CHECKED BY		31.01.2024
RECHECKED BY		31.01.2024
APPROVED BY	Y. P. KAJALE Regn. Structural Engineer Engg. Structural Consultancy No:STR/No.0000/2009 MCQM No.: STR.0468/2020 Existing B.P. No.: STR/N/170	01.02.2024

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CLIENT :

BLDG TYPE:- TYPE-I (S+6) 16 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
JOB NO.: 08-2023	DRG. TITLE:	FRAMING PLAN AT 1st SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
DRG. NO.	08-23/KP/TYPE-I/SD/STR-02	REV NO. R-1

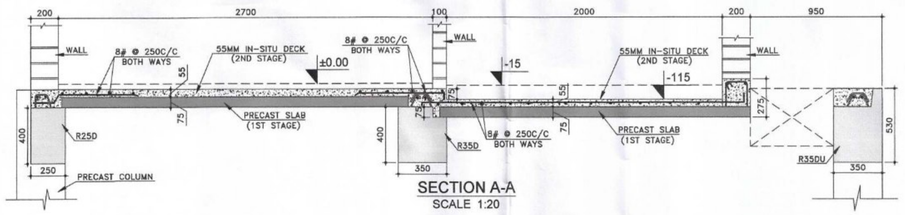
A1

K:\TN\PLOTS\WORKING\SD\2. SUBMISSION\DRAWING\KOTTUPURAM\FRAMING PLAN (16 TENAMENTS)\FRAMING PLAN TYPICAL (16 TENAMENTS) B.DWG

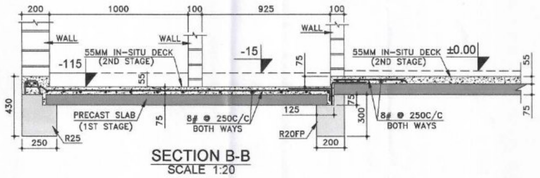
SCHEDULE OF PRECAST BEAMS AT 2ND TO 6TH FLOOR SLAB LEVEL

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

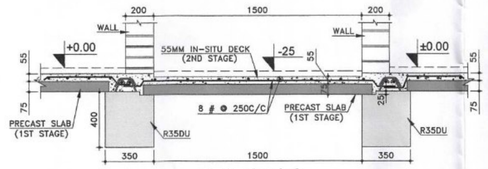
SR. NO	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT THRO.	BOTTOM REINFORCEMENT CURTAIL	TOP REINFORCEMENT NEAR	TOP REINFORCEMENT MIDDLE	TOP REINFORCEMENT FAR	STIRRUPS END ZONE	STIRRUPS MID ZONE
1	2B1	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
2	2B2	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
3	2B3	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
4	2B4	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
5	2B5	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
6	2B5A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
7	2B6	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
8	2B7	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
9	2B7A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
10	B8	R25	250x430	2-12#	-	-	2-12#	-	2L - 8# @ 120 C/C	
11	B9	R25	250x430	2-12#	-	-	2-12#	-	2L - 8# @ 190 C/C	
12	B10	R25	250x430	2-16#	2-12#	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C	
13	2B11	R35DU	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
14	2B11A	R35DU	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
15	2B12	R35U	350X430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
16	2B13	R35	350X430	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
17	2B14	R35	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 10# @ 75 C/C	2L - 10# @ 100 C/C
18	2B15	R25	250x430	2-16#+2-12#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
19	2B16	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
20	B17	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
21	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
22	2B19	R35	350x430	4-16#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
23	2B20	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
24	B21	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
25	2B22	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
26	2B22A	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
27	2B23	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
28	2B23A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
29	B24	R20/R25	200/250x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 180 C/C
30	B25	R35D	350x530	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
31	2B26	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
32	2B27	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
33	B28	R25U	250x430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 110 C/C	
34	MB29	R25DC	250x530	2-16#	-	4-16#	2-16#	2-16#	2L - 8# @ 160 C/C	
35	MB29A	R25DC	250x530	2-16#	-	2-16#	2-16#+2-12#	2-20#+2-16#	2L - 8# @ 160 C/C	
36	2B30	R25	250x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
37	2B31	R25U	250x430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
38	2B31A	R25U	250x430	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
39	B32	R20FP	200x300	2-16#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 110 C/C	
40	B32A	R20FP	200x300	2-16#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 110 C/C	
41	B33	R25	250x430	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 180 C/C	
42	2B34	R35	350x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 75 C/C
43	2B35	R35	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
44	B36	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 120 C/C
45	2B37	R35U	350x430	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 10# @ 70 C/C	2L - 10# @ 100 C/C
46	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 160C/C	
47	B39	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 10# @ 50 C/C	2L - 10# @ 110 C/C
48	B40	R25U	250x430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
49	2B41	R35U	350x430	2-20#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
50	2B41A	R35U	350x430	2-20#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
51	2B42	R35U	350x430	2-16#		2-16#	2-16#	2-20#+2-16#	2L - 8# @ 90 C/C	
52	2B42A	R35U	350x430	2-16#		2-16#	2-16#	2-20#+2-16#	2L - 8# @ 90 C/C	
53	B43	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
54	2B44	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
55	2B44A	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
56	2MB45	R30	300x430	4-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
57	2MB45A	R30	300x430	4-16#		2-12#	2-12#	2-12#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
58	2B48	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
59	2B48A	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
60	B49	R25U	250X430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
61	B50	R25	250X430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
62	2B51	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
63	2B52	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
64	2B53	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
65	2B53A	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
66	B54	R35U	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 120 C/C
67	B76	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C



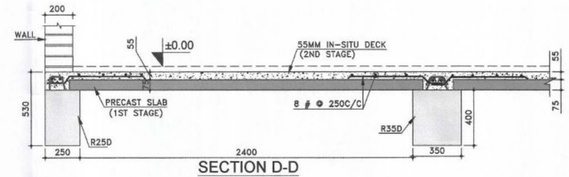
SECTION A-A
SCALE 1:20



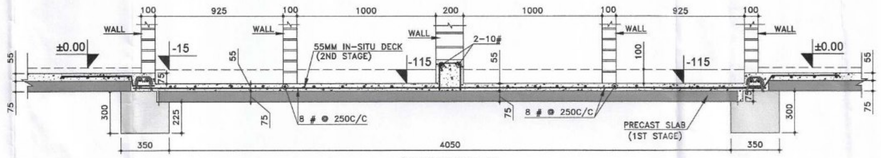
SECTION B-B
SCALE 1:20



SECTION C-C
SCALE 1:20



SECTION D-D
SCALE 1:20



SECTION E-E
SCALE 1:20

SCHEDULE OF PRECAST RCC SLAB AT 2nd TO 6th SLAB LEVEL

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

SR.NO	SLAB ID	SLAB SIZE SPAN	SLAB SIZE WIDTH	COMPOSITE SLAB DECK PRECAST SLAB	COMPOSITE SLAB DECK IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK
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	3265	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	3480	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
14	S14	1650	3580	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	S18	2755	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
17	S19	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	2825	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	S72	1650	4115	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
25	STR-1	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE
26	STR-2	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE

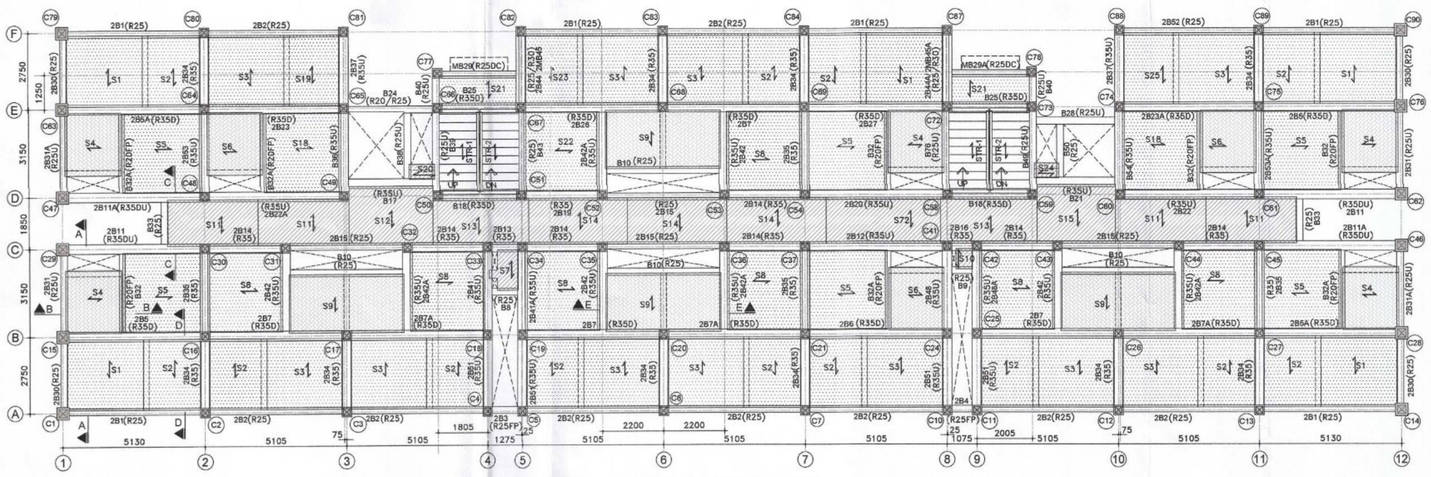
SCHEDULE OF '3-S' COLUMN

CLEAR COVER 60mm, CONC. GRADE M40, STEEL GRADE - Fe600D.

SR. NO	COLUMN. NO.	1st FLOOR COLUMN SIZE	1st FLOOR COLUMN MAIN REINF.	2nd FLOOR COLUMN SIZE	2nd FLOOR COLUMN MAIN REINF.	3rd TO 5th FLOOR SIZE	3rd TO 5th FLOOR MAIN REINF.	LATERAL TIES END ZONE	LATERAL TIES MID ZONE	REMARK
1	C1,C14,C15,C28,C63,C76,C79,C90	450X450	4-20#+4-16#	450X450	4-20#+4-16#	450X450	8-16#	8# @ 75 C/C	8# @ 175 C/C	
2	C29,C46,C47,C62	450X450	8-16#	450X450	8-16#	450X450	8-16#	8# @ 75 C/C	8# @ 175 C/C	
3	C2,C3,C6,C7,C10,C11,C13,C80,C83,C84,C87,C89	350X350	4-16#	350X350	4-16#	350X350	4-16#	8# @ 75 C/C	8# @ 175 C/C	
4	C16,C24,C25,C27,C30,C35,C36,C45,C48,C51,C52, C53,C58,C61,C64,C68,C69,C75	350X350	4-25#	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
5	C18,C19,C31,C37,C41,C42,C44,C54	350X350	4-25#	350X350	4-25#	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
6	C17	450X450	4-20#+4-16#	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
7	C4,C5,C12,C32,C33,C34,C43,C49,C50,C59,C60,C73, C77,C78,C81,C82,C88	350X350	4-20#	350X350	4-20#	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
8	C65,C66	350X350	8-25#	350X350	4-25#+4-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
9	C20,C21,C26	350X350	4-25#+4-20#	350X350	8-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
10	C67,C74	350X350	8-25#	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
11	C72	350X350	8-25#+4-20#	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	

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



FRAMING PLAN AT 2nd TO 6th SLAB LVL.

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

• 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	PROP.	DEALT.	CHKD.	APPD.
R1	12-06-2024	REVISED AS PER CLIENTS COMMENTS				

RELEASED ON DATED

	SIGNATURE	DATE
DRAWN BY SWT		23.01.2024
DESIGNED & CHECKED BY		31.01.2024
RECHECKED BY		31.01.2024
APPROVED BY	Y. P. KAJALE Regd. Structural Engineer State Govt. of Maharashtra No:ES/E/B/2022/P1,02208 MCGM No.: STR/0400/0350 Existing B.P. No.: STR/0/179	01.02.2024

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CLIENT :

BLDG TYPE:- TYPE-I (S+6) 16 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
JOB NO.: 06-2023	DRG. TITLE:	FRAMING PLAN AT 2nd TO 6th SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
DRG. NO.	06-23/KP/TYPE-I/SD/STR-03	REV. NO. R-1

J:\TNUDB\WORK\06SDC SUBMISSION DRAWING\KOTTUPURAM\FRAMING\18 TENEMENT\KOTTUPURAM TYPICAL FRAMING PLAN (16 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.	CURTAIL	NEAR	MIDDLE	FAR	END ZONE	MID ZONE
1	RB1	R35U	350X450	2-20#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
2	RB2	R35U	350X450	2-20#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
3	RB3	R35U	350X450	2-20#	-	2-16#	2-16#	2-16#	2L - 8# @ 80 C/C	
4	RB4	R35U	350X450	2-20#	-	2-16#	2-16#	2-16#	2L - 8# @ 80 C/C	
5	RB5	R35D	350x550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 90C/C	2L - 8# @ 180 C/C
6	RB5A	R35D	350x550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 90C/C	2L - 8# @ 180 C/C
7	RRB7	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	RB8	R25	250x450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 120 C/C	
10	RB9	R25	250x450	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
11	RB10	R25	250x450	2-16#	2-12#	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
12	RB11	R35DU	350X550	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
13	RB11A	R35DU	350X550	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
14	RB13	R35	350X450	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
15	RB14	R35	350X450	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
16	RB15	R25	250x450	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
17	RB16	R35	350X450	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
18	RB17	R35U	350X450	2-20#		2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
19	RB18	R35DU	350x550	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
20	RB19	R35	350x450	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
21	RB21	R35U	350X450	2-20#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
22	RB22	R35U	350X450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 160 C/C
23	RB22A	R35U	350X450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 160 C/C
24	RB23	R35D	350x550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 160 C/C
25	RB23A	R35D	350x550	2-16#	-	2-16#+2-12#	2-16#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 160 C/C
26	RB24	R20/R25	200/250x450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
27	B25	R35D	350x530	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C
28	RB26	R35D	350x550	2-20#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 190 C/C
29	RB26A	R35D	350x550	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 190 C/C
30	RB28	R25U	250x450	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 140 C/C	
31	MB29	R25DC	250x530	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
32	MB29A	R25DC	250x530	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
33	RB30	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
34	RB31	R35U	350x450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
35	RB31A	R35U	350x450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
36	RB32	R20FP	200x300	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
37	RB32A	R20FP	200x300	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
38	RB33	R25U	250x450	2-20#	2-12#	2-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
39	RB34	R35	350x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
40	RB35	R35	350x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
41	RB36	R35U	350x450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C
42	RB37	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
43	RB38	R25U	250x450	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
44	RB39	R25U	250x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
45	RB40	R25U	250x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
46	RB41	R35U	350x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
47	RB41A	R35	350x450	2-20#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
48	RB42	R35U	350x450	2-20#		4-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
49	RB42A	R35U	350x450	2-20#		4-16#	2-16#	2-16#	2L - 8# @ 150 C/C	
50	RB43	R25	250x450	2-20#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
51	RB44	R25	250x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
52	RB44A	R25	250x450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
53	RB45	R30	300x430	4-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
54	RB45A	R30	300x430	4-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
55	RB48	R35U	350x450	2-20#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
56	RB48A	R35	350x450	2-20#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
57	RB49	R25U	250X450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
58	RB50	R25U	250X450	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 200 C/C	
59	RB51	R35	350X450	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
60	RB52	R35U	350X450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
61	RB53	R35U	350x450	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
62	RB53A	R35U	350x450	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
63	RB54	R35U	350x450	2-16#	-	2-16#+2-12#	2-12#	2-16#+2-12#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C

SCHEDULE OF PRECAST RCC SLAB AT ROOF SLAB LEVEL

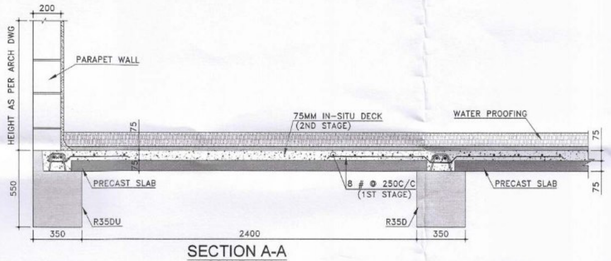
CLEAR COVER=25MM, CONC.GRADE=M40, STEEL GRADE=Fe500D

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 # @ 200 C/C	8 # @ 250 C/C	
16	RS19	2550	2375	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	55	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	RS71	1650	2130	75	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	

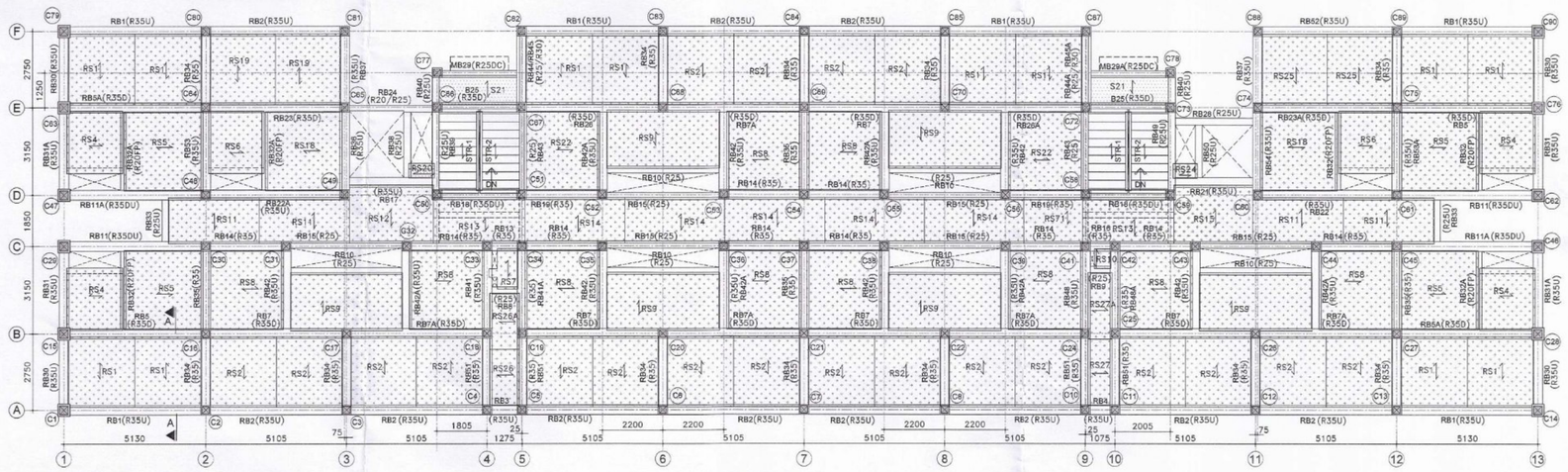
SCHEDULE OF '3-S' COLUMN

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

SR. NO	COLUMN. NO.	6TH FLOOR COLUMN		LATERAL TIES		REMARK
		COLUMN SIZE	MAIN REINF.	END ZONE	MID ZONE	
1	C1,C14,C79,C90	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
2	C15,C28,C29,C46,C47,C62,C63,C76	450X450	4-20#+4-16#	8# @ 85 C/C	8# @ 225 C/C	
3	C2,C3,C6,C7,C8,C12,C13,C77,C78,C80,C83,C84,C85,C87,C88	350X350	4-16#	8# @ 75 C/C	8# @ 175 C/C	
4	C4,C5,C10,C11,C31,C33,C34,C37,C41,C42,C43,C44,C48,C50,C54,C59,C60,C61,C73,C81,C82,C89	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
5	C16,C17,C18,C19,C20,C21,C22,C24,C25,C26,C27,C30,C32,C35,C36,C38,C39,C45,C49,C51,C52,C53,C55,C56,C58,C64,C65,C66,C67,C68,C69,C70,C72,C74,C75	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	



SECTION A-A
SCALE 1:20



FRAMING PLAN AT ROOF SLAB LVL.

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

REVISION STATUS AND DETAILS

NO.	DATE	REVISION	PROP.	DEALT.	CHKD.	APPD.
R1	18.06.2024	REVISED AS PER CLIENT COMMENTS				

RELEASED ON DATED

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

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

	SIGNATURE	DATE
DRAWN BY	SVAT	23.01.2024
DESIGNED & CHECKED BY		31.01.2024
REDHECKED BY		31.01.2024
APPROVED BY	Y. P. KAJALE Regd. Structural Engineer State Govt. of Maharashtra No.STATE/R/2022/PUL/2280 NCSR No: STR/E40015382 Existing B.N. No.: STR/N/170	01.02.2024

SHIRKE®

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CLIENT :

BLDG TYPE:- TYPE-II (S+6) 18 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

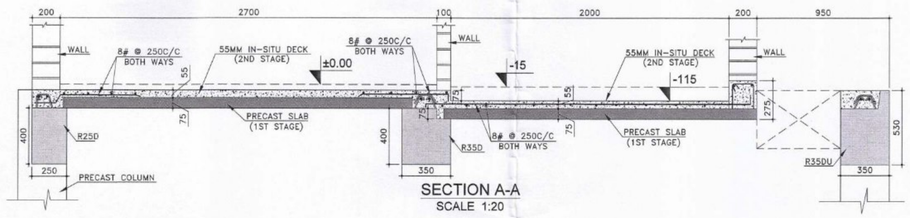
SCALE: AS SHOWN	PROJECT TITLE:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part. BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
JOB NO.: 06-2023	LOCATION:	
	DRG. TITLE:	FRAMING PLAN AT ROOF LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
DRG. NO.	06-23/KP/TYPE-II/SD/STR-04	REV. NO. R-1

K:\TNUHDB\WORKING\SDC\18BEMS\DWG\2023\TUP\PJ\FRAMING PLAN (18 TENEMENTS)\DWG

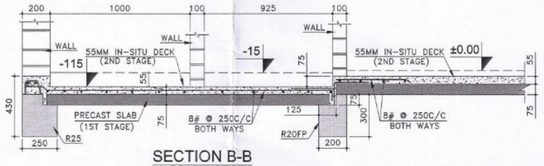
SCHEDULE OF PRECAST BEAMS AT 2ND TO 6TH FLOOR SLAB LEVEL

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

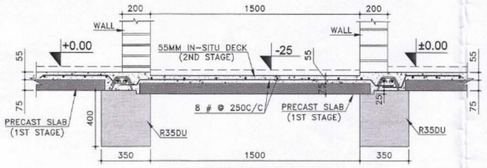
SR. NO	BEAM NO.	MOULD TYPE	BEAM SIZE	BOTTOM REINFORCEMENT THRO.	CURTAIL	TOP REINFORCEMENT NEAR	MIDDLE	FAR	STIRRUPS END ZONE	MID ZONE
1	2B1	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
2	2B2	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
3	2B3	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
4	2B4	R25FP	250X415	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
5	2B5	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
6	2B5A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
7	2B7	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
8	2B7A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
9	B8	R25	250x430	2-16#	-	2-16#	2-16#	2-16#	2L - 8# @ 120 C/C	
10	B9	R25	250x430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C	
11	B10	R25	250x430	2-20#	-	2-12#	2-12#	2-12#	2L - 8# @ 120 C/C	
12	2B11	R35DU	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
13	2B11A	R35DU	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
14	2B13	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 65 C/C	2L - 8# @ 75 C/C
15	2B14	R35	350X430	4-16#		2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 60 C/C	2L - 8# @ 100 C/C
16	2B15	R25	250x430	2-16#+2-12#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
17	2B16	R35	350X430	2-16#		2-16#	2-16#	2-16#	2L - 8# @ 70 C/C	2L - 8# @ 75 C/C
18	B17	R35U	350X430	2-16#		2-12#	2-12#	2-12#		2L - 8# @ 180 C/C
19	B18	R35D	350x530	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 100 C/C
20	2B19	R35	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
21	B21	R35U	350X430	2-16#		2-12#	2-12#	2-12#		2L - 8# @ 180 C/C
22	2B22	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
23	2B22A	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
24	2B23	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
25	2B23A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
26	B24	R20/R25	200/250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
27	B25	R35D	350x530	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C
28	2B26	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
29	2B26A	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
30	B28	R25U	250x430	2-16#		2-16#	2-16#	2-16#		2L - 8# @ 150 C/C
31	MB29	R25DC	250x530	2-20#	-	4-16#	2-16#	2-16#		2L - 8# @ 150 C/C
32	MB29A	R25DC	250x530	2-20#	-	2-16#	2-16#	4-16#		2L - 8# @ 150 C/C
33	2B30	R25	250x430	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 70 C/C	2L - 8# @ 110 C/C
34	2B31	R25U	250x430	4-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
35	2B31A	R25U	250x430	4-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
36	B32	R20FP	200x300	2-16#	2-12#	2-12#	2-12#	2-12#		2L - 8# @ 150 C/C
37	B32A	R20FP	200x300	2-16#	2-12#	2-12#	2-12#	2-12#		2L - 8# @ 150 C/C
38	B33	R25	250x430	2-20#	-	2-16#	2-16#	2-16#		2L - 8# @ 170 C/C
39	2B34	R35	350x430	2-20#+2-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 120 C/C
40	2B35	R35	350x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
41	B36	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 120 C/C
42	2B37	R35U	350x430	4-16#	-	2-20#+2-16#	2-16#	2-20#+2-16#	10L - 8# @ 80 C/C	2L - 10# @ 100 C/C
43	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#		2L - 8# @ 150 C/C
44	B39	R25U	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
45	B40	R25U	250x430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
46	2B41	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
47	2B41A	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
48	2B42	R35U	350x430	2-20#		2-20#+2-16#	2-16#	2-16#		2L - 8# @ 90 C/C
49	2B42A	R35U	350x430	2-20#		2-20#+2-16#	2-16#	2-16#		2L - 8# @ 90 C/C
50	B43	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
51	2B44	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
52	2B44A	R25	250x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
53	2MB45	R30	300x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
54	2MB45A	R30	300x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
55	2B48	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
56	2B48A	R35U	350x430	2-20#		4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
57	B49	R25U	250X430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 70 C/C	2L - 8# @ 120 C/C
58	B50	R25	250X430	2-16#		2-12#	2-12#	2-12#		2L - 8# @ 150 C/C
59	2B51	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
60	2B52	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
61	2B53	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
62	2B53A	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
63	B54	R35U	350x430	2-20#	-	4-16#	2-16#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C



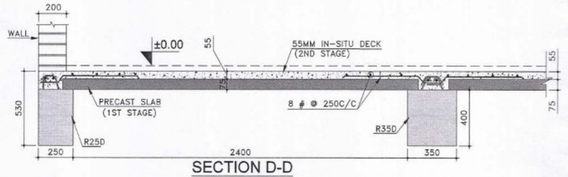
SECTION A-A
SCALE 1:20



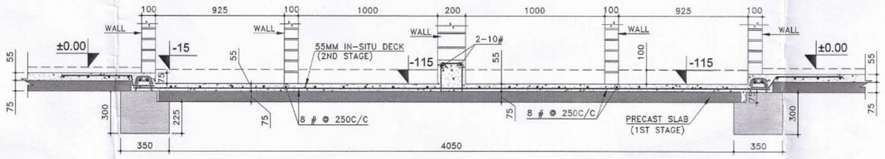
SECTION B-B
SCALE 1:20



SECTION C-C
SCALE 1:20



SECTION D-D
SCALE 1:20



SECTION E-E
SCALE 1:20

SCHEDULE OF PRECAST RCC SLAB AT 2ND SLAB TO 6TH SLAB LEVEL

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

SR.NO	SLAB ID	SLAB SIZE SPAN	WIDTH	COMPOSITE SLAB DECK PRECAST SLAB	IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK
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	4100	75	55	8 # @ 150C/C	8 # @ 250 C/C	
10	S10	700	600	75	55	8 # @ 200C/C	8 # @ 250 C/C	
11	S11	1650	3265	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
12	S12	2100	3025	75	55	8 # @ 200C/C	8 # @ 250 C/C	
13	S13	1650	3482	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
14	S14	1650	3582	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
15	S15	2100	2825	75	55	8 # @ 200C/C	8 # @ 250 C/C	
16	S16	1650	3240	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
17	S17	2025	2250	75	55	8 # @ 200C/C	8 # @ 250 C/C	
18	S18	2755	2850	75	55	8 # @ 200C/C	8 # @ 250 C/C	
19	S19	2550	2000	75	55	8 # @ 200C/C	8 # @ 250 C/C	
20	S20	925	525	75	55	8 # @ 200C/C	8 # @ 250 C/C	
21	S21	1050	2805	75	55	8 # @ 150C/C	8 # @ 250 C/C	
22	S22	2730	2850	75	55	8 # @ 200C/C	8 # @ 250 C/C	
23	S23	2550	2100	75	55	8 # @ 200C/C	8 # @ 250 C/C	
24	S24	875	525	75	55	8 # @ 200C/C	8 # @ 250 C/C	
25	S25	2550	2000	75	55	8 # @ 200C/C	8 # @ 250 C/C	
26	S71	1650	1960	75	55	8 # @ 200C/C	8 # @ 250 C/C	
27	STR-1	3050	1425	125	55	10 # @ 150C/C	8 # @ 230 C/C	
28	STR-2	3050	1425	125	55	10 # @ 150C/C	8 # @ 230 C/C	

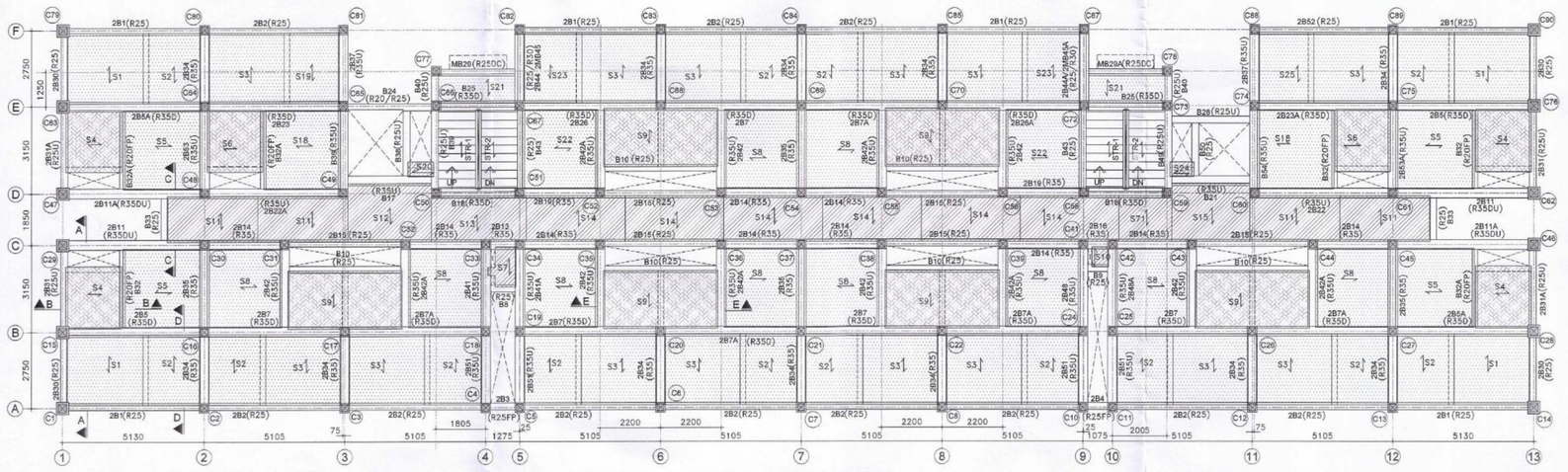
SCHEDULE OF '3-S' COLUMN

CLEAR COVER 50mm, CONC. GRADE M40, STEEL GRADE - Fe 500D.

SR. NO	COLUMN. NO.	1ST FLOOR COLUMN COLUMN SIZE	MAIN REINF.	2ND TO 5TH FLOOR COLUMN COLUMN SIZE	MAIN REINF.	LATERAL TIES END ZONE	MID ZONE	REMARK
1	C1,C14,C79,C90	450X450	8-16#	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
2	C15,C28,C29,C46,C47,C62,C63,C76	450X450	4-20#+6-16#	450X450	4-20#+4-16#	8# @ 85 C/C	8# @ 225 C/C	
3	C17	450X450	4-20#+4-16#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
4	C2,C3,C6,C7,C8,C12,C13,C77,C78,C80,C82,C83, C84,C85,C87,C88,C89	350X350	4-16#	350X350	4-16#	8# @ 75 C/C	8# @ 175 C/C	
5	C4,C5,C10,C11,C31,C33,C34,C37,C41,C42,C43, C44,C48,C54,C60,C61,C73,C81	350X350	4-20#	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
6	C16,C18,C19,C21,C24,C25,C27,C30,C32,C35,C36, C38,C39,C45,C49,C50,C51,C52,C53,C55,C56,C58,C59, C64,C66,C69,C74,C75	350X350	4-25#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	
7	C65,C67	350X350	4-25# + 4-20#	350X350	4-25# + 4-20#	8# @ 75 C/C	8# @ 175 C/C	
8	C20,C22,C26,C51,C68,C70,C72	350X350	4-25# + 4-20#	350X350	4-25#	8# @ 75 C/C	8# @ 175 C/C	

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



FRAMING PLAN AT 2nd TO 6th SLAB LVL.

*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	PROP.	DEALT.	CHKD.	APPD.
R1	16.09.2024	REVISED AS PER CLIENT COMMENTS				

RELEASED ON DATED

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

	SIGNATURE	DATE
DRAWN BY SWT		23.01.2024
DESIGNED & CHECKED BY		31.01.2024
RECHECKED BY		31.01.2024
APPROVED BY		01.02.2024

Y. P. KAJALE
Regd. Structural Engineer
State Govt. of Maharashtra
No:STATER/3822/APL/02200
MCHI No.: STR-94011030
Existing B.P. No.: STR/9172

SHIRKE®

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CLIENT :



BLDG TYPE:- TYPE-II (S+6) 18 TENEMENTS / FLOOR

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

27/6.24

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:	
PROJECT:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part. (BLOCK-01,02,03 & 04) OF MAMBALAM VILLAGE .
TITLE:	
LOCATION:	
JOB NO.: 06-2023	
DRG. TITLE:	FRAMING PLAN AT 2nd TO 6th SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
DRG. NO.	06-23/KP/TYPE-II/SD/STR-03
REV. NO.	R-1

N:\TNUHDB\WORK\R06\2SGC SUBMISSION DRAWING\KOTTUPURAM\FRAMING\18 TENEMENTS\KOTTUPURAM TYPE-II FRAMING PLAN (18 TENEMENTS).DWG

A1

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 THRO.	BOTTOM REINFORCEMENT CURTAIL	TOP REINFORCEMENT NEAR	TOP REINFORCEMENT MIDDLE	TOP REINFORCEMENT FAR	STIRRUPS END ZONE	STIRRUPS MID ZONE
1	B1	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
2	B2	R25	250x430	2-20#	-	2-20#+2-16#	2-16#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 170 C/C
3	B3	R25FP	250X415	2-20#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
4	B4	R25FP	250X415	2-20#	-	2-16#	2-16#	2-16#	2L - 8# @ 75 C/C	
5	B5	R35D	350x530	2-20#+2-16#	-	2-25#+2-20#	2-16#	2-25#+2-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
6	B5A	R35D	350x530	2-20#+2-16#	-	2-25#+2-20#	2-16#	2-25#+2-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
7	B6	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 100C/C	2L - 8# @ 120 C/C
8	B7	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
9	B7A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 90C/C	2L - 8# @ 120 C/C
10	B8	R25	250x430	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 120 C/C	
11	B9	R25	250x430	2-12#	-	2-12#	2-12#	2-12#	2L - 8# @ 190 C/C	
12	B10	R25	250x430	2-20#	-	2-12#	2-12#	2-12#	2L - 8# @ 140 C/C	
13	B11	R35DU	350X530	2-20#+2-16#	-	4-20#	2-12#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
14	B11A	R35DU	350X530	2-20#+2-16#	-	4-20#	2-12#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
15	B12	R35U	350X430	2-20#+2-16#	-	4-20#	2-12#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
16	B13	R35	350X430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 65 C/C	2L - 8# @ 75 C/C
17	B14	R35	350X430	2-20#+2-16#		2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 70 C/C	2L - 8# @ 100 C/C
18	B15	R25	250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
19	B16	R35	350X430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
20	B17	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
21	B18	R35D	350x530	2-20#+2-16#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 65 C/C	2L - 8# @ 100 C/C
22	B19	R35	350x430	4-16#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
23	B20	R35U	350X430	2-20#+2-16#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
24	B21	R35U	350X430	2-16#		2-12#	2-12#	2-12#	2L - 8# @ 180 C/C	
25	B22	R35U	350X430	2-20#+2-16#	-	4-20#	2-12#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
26	B22A	R35U	350X430	2-20#+2-16#	-	4-20#	2-12#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
27	B23	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
28	B23A	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
29	B24	R20/R25	200/250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 200 C/C
30	B25	R35D	350x530	2-20#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 140 C/C
31	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
32	B27	R35D	350x530	2-20#+2-16#	-	4-20#	2-16#	4-20#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
33	B28	R25U	250x430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 110 C/C	
34	MB29	R25	250x430	2-16#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 150 C/C	
35	MB29A	R25	250x430	2-16#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 150 C/C	
36	B30	R25	250x430	2-20#+2-16#	-	4-20#	2-12#	4-20#	2L - 8# @ 60 C/C	2L - 8# @ 110 C/C
37	B31	R25U	250x430	2-20#+2-16#	-	2-25#+2-20#	2-12#	2-25#+2-20#	2L - 8# @ 60 C/C	2L - 8# @ 130 C/C
38	B31A	R25U	250x430	2-20#+2-16#	-	2-25#+2-20#	2-12#	2-25#+2-20#	2L - 8# @ 60 C/C	2L - 8# @ 130 C/C
39	B32	R20FP	200x300	2-16#	2-12#	2-16#	2-12#	2-16#	2L - 8# @ 150 C/C	
40	B32A	R20FP	200x300	2-16#	2-12#	2-16#	2-12#	2-16#	2L - 8# @ 150 C/C	
41	B33	R25U	250x430	2-16#	-	2-16#	2-12#	2-16#	2L - 8# @ 150 C/C	
42	B34	R35	350x430	2-20#+2-16#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 60 C/C	2L - 8# @ 120 C/C
43	B35	R35	350x430	2-20#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
44	B36	R35U	350x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 120 C/C
45	B37	R35U	350x430	4-20#	-	4-20#	2-12#	4-20#	2L - 10# @ 70 C/C	
46	B38	R25U	250x430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
47	B39	R25U	250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 70 C/C	2L - 8# @ 110 C/C
48	B40	R25U	250x430	2-16#		2-16#	2-12#	2-16#	2L - 8# @ 75 C/C	2L - 8# @ 75 C/C
49	B41	R35U	350x430	2-20#		2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
50	B41A	R35	350x430	2-20#		2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
51	B42	R35U	350x430	2-16#		2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 80 C/C	
52	B42A	R35U	350x430	2-16#		2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
53	B43	R25	250x430	2-20#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
54	B44	R25	250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 65 C/C	2L - 8# @ 100 C/C
55	B44A	R25	250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 65 C/C	2L - 8# @ 100 C/C
56	MB45	R30	300x490	4-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 65 C/C	2L - 8# @ 100 C/C
57	MB45A	R30	300x430	4-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
58	B48	R35U	350x430	2-20#		4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
59	B48A	R35	350x430	2-20#		4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
60	B49	R25U	250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
61	B50	R25U	250X430	2-16#	-	2-12#	2-12#	2-12#	2L - 8# @ 150 C/C	
62	B51	R35U	350x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 110 C/C
63	B52	R25	250x430	2-20#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
64	B53	R35U	350x430	2-20#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
65	B53A	R35U	350x430	2-20#	-	2-20#+2-16#	2-12#	2-20#+2-16#	2L - 8# @ 75 C/C	2L - 8# @ 130 C/C
66	B54	R35U	350x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C
67	B76	R25U	250x430	2-20#	-	4-16#	2-12#	4-16#	2L - 8# @ 75 C/C	2L - 8# @ 120 C/C

SCHEDULE OF PRECAST RCC SLAB AT 1ST SLAB LEVEL

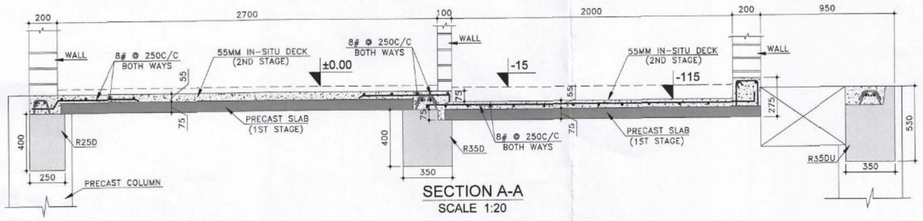
CLEAR COVER=25MM, CONC.GRADE=M40, STEEL GRADE=Fe500D

SR.NO	SLAB ID	SLAB SIZE SPAN	SLAB SIZE WIDTH	COMPOSITE SLAB DECK PRECAST SLAB	COMPOSITE SLAB DECK IN SITU	MAIN STEEL	DISTRIBUTION STEEL	REMARK
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 # @ 200 C/C	8 # @ 250 C/C	
11	S11	1650	3265	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
12	S12	2100	3025	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
13	S13	1650	3485	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 # @ 200 C/C	8 # @ 250 C/C	
16	S16	1650	3240	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
17	S18	2755	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
18	S19	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
19	S20	925	525	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
20	S21	1050	2805	75	55	8 # @ 150 C/C	8 # @ 250 C/C	
21	S22	2730	2850	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
22	S23	2550	2100	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
23	S24	875	525	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
24	S25	2550	2000	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
25	S26/S26A	1075	2025	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
26	S27/S27A	875	2390	75	55	8 # @ 200 C/C	8 # @ 250 C/C	
27	STR-1	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE
28	STR-2	3050	1425	125	55	10 # @ 150 C/C	8 # @ 230 C/C	STAIRCASE

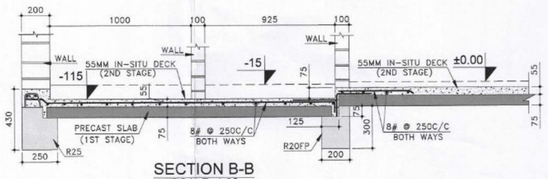
SCHEDULE OF '3-S' COLUMN

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

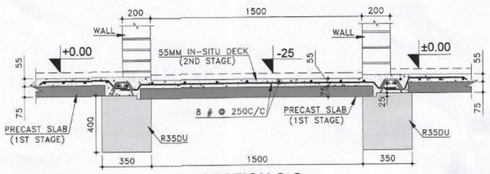
SR. NO	COLUMN. NO.	STILT FLOOR COLUMN SIZE	STILT FLOOR COLUMN MAIN REINF.	LATERAL TIES END ZONE	LATERAL TIES MID ZONE	REMARK
1	C1,C3,C5,C10,C12,C14,C15,C28,C33,C35,C52,C63, C76,C79,C90	450X450	4-25#+4-20#	8# @ 85 C/C	8# @ 225 C/C	
2	C2,C13,C16,C17,C19,C27,C34,C41,C64,C75,C80, C82,C89	450X450	8-20#	8# @ 85 C/C	8# @ 225 C/C	
3	C4,C11,C18,C32,C36,C37,C38,C40,C43,C44,C53, C54,C55,C57	450X450	4-20#+4-16#	8# @ 85 C/C	8# @ 225 C/C	
4	C6,C7,C8,C9,C20,C21,C22,C23,C24,C25,C26,C31,C39, C51,C56,C58,C69,C70,C71,C83,C84,C85,C86,C87	450X450	8-16#	8# @ 85 C/C	8# @ 225 C/C	
5	C74	450X450	8-25#	8# @ 85 C/C	8# @ 225 C/C	
6	C29,C46,C47,C62,C81,C88	450X450	12-25#	8# @ 85 C/C	8# @ 225 C/C	
7	C30,C42,C45,C48,C61	450X450	8-25#+4-20#	8# @ 85 C/C	8# @ 225 C/C	
8	C49,C58,C60,C66,C73	350X350	4-25#	8# @ 85 C/C	8# @ 175 C/C	
9	C50,C59,C77,C78	350X350	4-20#	8# @ 75 C/C	8# @ 175 C/C	
10	C65,C67	350X350	4-25#+4-20#	8# @ 75 C/C	8# @ 175 C/C	
11	C72	350X350	8-25#	8# @ 75 C/C	8# @ 175 C/C	



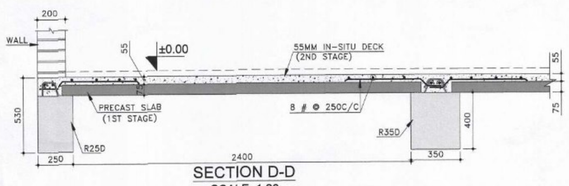
SECTION A-A
SCALE 1:20



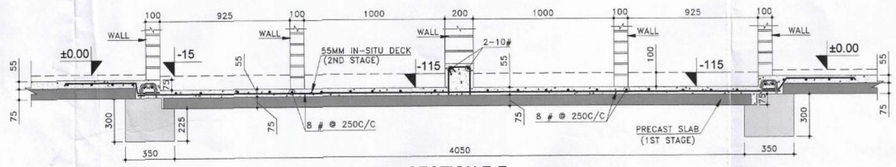
SECTION B-B
SCALE 1:20



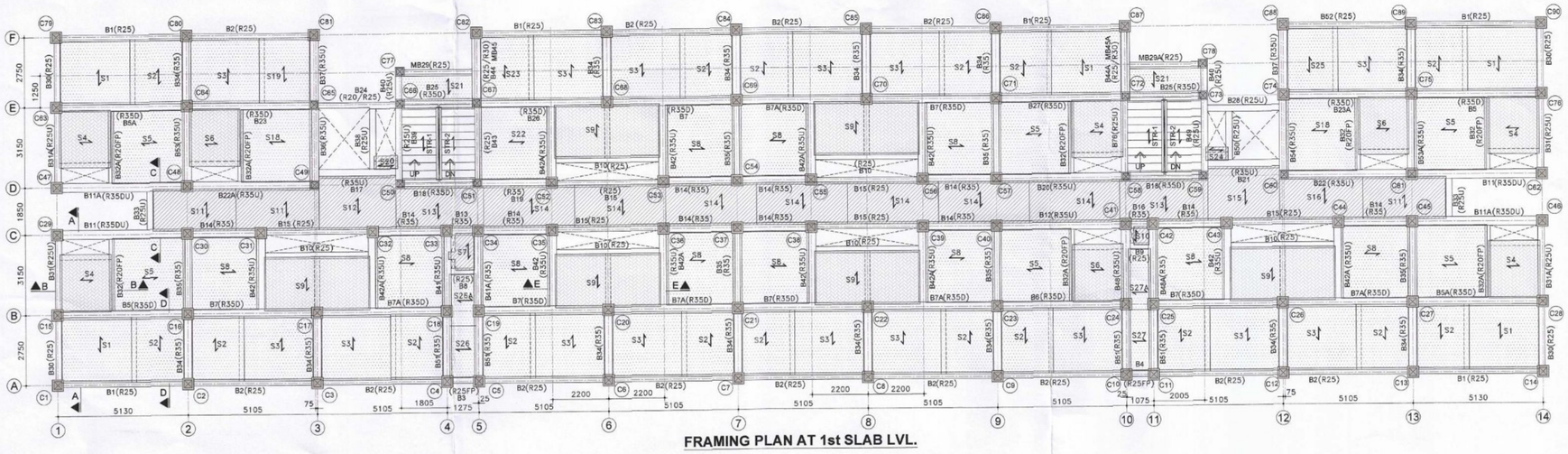
SECTION C-C
SCALE 1:20



SECTION D-D
SCALE 1:20



SECTION E-E
SCALE 1:20



FRAMING PLAN AT 1st SLAB LVL.

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

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	PROP.	DEALT.	CHKD.	APPD.
R-1	15-06-2024	REVISED AS PER CLIENTS COMMENTS				

RELEASED ON DATED

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

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

	SIGNATURE	DATE
DRAWN BY KNB		23.01.24
DESIGNED & CHECKED BY		31.01.24
RECHECKED BY		31.01.24
APPROVED BY		01.02.24

Y. P. KAJALE
Regd. Structural Engineer
State Govt. of Maharashtra
No.STA/TE/2022/AFL/02360
MCOB No.: STR-84001890
Existing B.E. No.: STR26/172

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CLIENT :

BLDG TYPE:- TYPE-III (S+6) 20 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
JOB NO.: 06-2023	DRG. TITLE:	FRAMING PLAN AT 1st SLAB LEVEL WITH BEAM, SLAB & COLUMN SCHEDULE.
DRG. NO.	06-23/KP/TYPE-III/SD/STR-02	REV. NO. R-1

D:\DATA\MY DESK TOP\KOTTURPURAM FINAL 20 TENEMENTS BT 06.2024\KOTTURPURAM TYPICAL FRAMING PLAN (2) TENAMENTS.DWG

SCHEDULE OF PILE & PILE CAP

SR. NO	COLUMN NOS	BORED CAST IN-SITU PILE			CAST IN-SITU PILE CAP								
			MAIN REINF			PILE SIZE			MAIN BARS		RINGS		
		DIA OF PILE	UPTO 12 M FROM TOP	BELOW 12 M TO PILE TERMINATION	PILE CAP ID	L	B	D	BOTTOM	TOP	VERTICAL	HORIZONTAL	PILE CAP TOP LEVEL
1	C1÷C15,C14÷C28,C63÷C79,C76÷C90.	2-600 Ø	14-16#	7-16#	PC1	3650	900	750	8-16#	8-16#	2L-8# @ 80 C/C	3-12#	-750
2	C2÷C16,C8÷C20,C7÷C21, C9÷C22,C13÷C27,C64÷C80, C68÷C83,C69÷C84,C70÷C85,C75÷C89.	3-600 Ø	14-16#	7-16#	PC2	5000	900	750	8-25#	7-20#	4L-10# @ 80 C/C	3-12#	-750
3	C4÷C5.	2-600 Ø	14-16#	7-16#	PC3	3225	900	750	6-25#	6-20#	4L-8# @ 125 C/C	3-12#	-750
4	C10÷C11.	2-600 Ø	14-16#	7-16#	PC4	3025	900	750	6-25#	6-20#	2L-10# @ 125 C/C	3-12#	-750
5	C18÷C19,C33÷C34.	2-500 Ø	14-16#	7-16#	PC5	3025	800	750	7-25#	5-20#	4L-8# @ 125 C/C	3-12#	-750
6	C24÷C25,C41÷C42.	2-500 Ø	14-16#	7-16#	PC6	2825	800	750	6-25#	5-20#	4L-8# @ 125 C/C	3-12#	-750
7	C29÷C47,C35÷C52,C36÷C53,C37÷C54, C38÷C55,C39÷C56,C46÷C62.	2-600 Ø	14-16#	7-16#	PC7	2750	900	750	8-20#	7-20#	4L-8# @ 150 C/C	3-12#	-750
8	C30÷C48,C45÷C61.	2-600 Ø	14-16#	7-16#	PC8	2750	900	750	7-25#	7-20#	2L-8# @ 80 C/C	3-12#	-750
9	C31,C44.	2-500 Ø	14-16#	7-16#	PC9	2300	800	750	6-25#	6-20#	4L-8# @ 90 C/C	3-12#	-750
10	C32,C43.	2-500 Ø	14-16#	7-16#	PC10	2300	800	750	8-25#	7-20#	4L-10# @ 100 C/C	3-12#	-750
11	C49÷C50÷C65÷C66.	4-600 Ø	14-16#	7-16#	PC11	REFER PLAN		750	16# @ 100C/C BOTHWAYS	16# @ 200C/C BOTHWAYS	-	3-12#	-1800
12	C59÷C60÷C73÷C74.	4-600 Ø	14-16#	7-16#	PC12	REFER PLAN		750	16# @ 100C/C BOTHWAYS PLUS EXTRA 10# @ 200 C/C @ BOTTOM AS PER PC 12 DETAIL	16# @ 100C/C BOTHWAYS	-	3-12#	-1800
13	C51,C58.	2-500 Ø	14-16#	7-16#	PC13	2800	800	750	7-20#	6-20#	2L-8# @ 90 C/C	3-12#	-750
14	C77,C78.	2-500 Ø	16-16# (REFER SECTION 5-5)	8-16# (REFER SECTION T-T)	PC14	3000	800	750	7-20#	6-16#	4L-10# @ 100 C/C	3-12#	-750
15	C81,C88.	2-500 Ø	14-16#	7-16#	PC15	2800	800	750	8-20#	6-20#	2L-10# @ 130 C/C	3-12#	-750
16	C67÷C82,C72÷C87.	2-600 Ø	14-16#	7-16#	PC16	3650	900	750	8-16#	8-16#	4L-8# @ 90 C/C	3-12#	-750
17	C3÷C17,C12÷C26	3-600 Ø	14-16#	7-16#	PC17	5000	900	750	5-25#+5-25#	4-20#	4L-10# @ 80 C/C	3-12#	-750

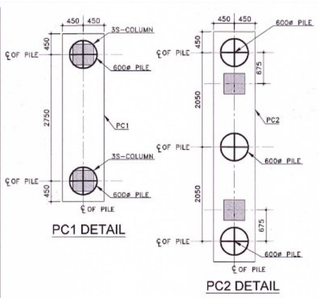
SCHEDULE OF DOWEL BARS (FOR PILE CAP LVL TO 3S COLUMN CONNECTION.)

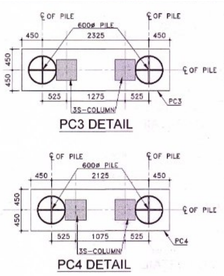
SR. NO	COLUMN NO.	COLUMN SIZE	DOWEL BARS.
1	C2,C11,C12,C13,C15,C16,C24,C28,C35, C36,C38,C39,C43,C44,C52,C53,C55,C56, C63, C64,C76,C80,C89	450X450	8-20#
2	C1,C14,C18,C31,C46,C62, C79,C90	450X450	4-25#+4-20#
3	C3,C4,C5,C10,C19,C29,C30,C32,C33,C34, C41,C45, C47,C48,C61,C81,C88	450X450	8-25#
4	C6,C7,C8,C17,C20,C21,C22,C23,C26, C27,C37,C54,C58,C68,C69,C70,C75,C82,C83, C84,C87	450X450	4-20#+4-16#
5	C42	450X450	8-25#
6	C74,C85	450X450	12-25#
7	C50, C59, C73	350X350	4-25#
8	C49,C51,C58,C60,C65,C66,C67,C72	350X350	4-25#
9	C77,C78	350X350	4-25#+4-20#

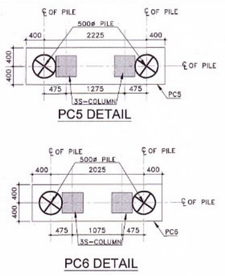
LEGEND:	PROPOSED NUMBERS	MAX. PILE CAPACITY	MAX. WORKING LOAD/ PILE
⊗ 500 Ø PILE	28	100 T	90 T
⊕ 600 Ø PILE	78	130 T	116 T

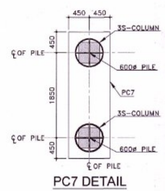
GRADE BEAM DETAILS

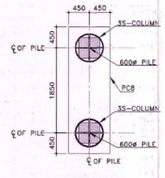
SL. NO	BEAM ID	BEAM SIZE	BOTTOM REINFORCEMENT THROUGH BARS	TOP THROUGH REINF.	TOP EXTRA REINF.	STIRRUPS END ZONE	STIRRUPS MID ZONE
1	GB1	250X750	2-20#+1-25#	3-16#	2-20#	2L-8#@ 60 C/C	2L-8#@ 100 C/C
2	GB2	250X750	2-20#+1-16#	3-16#	2-12#	2L-8#@ 60 C/C	2L-8#@ 100 C/C
3	GB3	250X450	2-16#	2-12#	-	2L-8#@ 200 C/C	
4	GB4	250X350	3-12#	2-12#	-	2L-8#@ 200 C/C	
5	GB5	250X350	2-16#	2-16#	-	2L-8#@ 150 C/C	
6	GB6	250X750	2-16#+1-20#	3-16#	2-16#	2L-8#@ 60 C/C	2L- 8#@ 120 C/C
7	GB7	250X750	2-20#+1-25#	3-16#	2-16#+1-12#	2L-10#@ 75 C/C	
8	GB8	250X750	3-16#	3-16#	2-16#	2L-10#@ 120 C/C	
9	GB9	250X750	2-20#+1-16#	3-16#	2-16#	2L-10#@ 80 C/C	2L- 10#@ 80 C/C
10	GB10	250X750	2-25#+1-20#	3-16#	2-16#	2L-10#@ 60 C/C	
11	GB11	250X750	3-20#	3-16#	2-20#	2L-10#@ 60 C/C	2L- 10#@ 80 C/C
12	GB12	250X750	3-16#	3-16#	2-12#	2L-10#@ 60 C/C	2L- 10#@ 80 C/C
13	GB13	250X750	3-20#	3-16#	2-12#	2L-10#@ 60 C/C	
14	GB14	250X750	2-25#+1-20#	3-16#	2-16#	2L-8#@ 60 C/C	2L- 8#@ 90 C/C
15	GB15	250X750	3-20#	3-16#	2-12#	2L-8#@ 60 C/C	2L- 8#@ 90 C/C
16	GB16	250X750	3-20#	3-16#	2-12#	2L-10#@ 100 C/C	
17	GB17	250X750	2-20#+1-25#	3-16#	-	2L-10#@ 70 C/C	
18	GB18	250X750	3-16#	3-16#	3-12#	2L-8#@ 70 C/C	
19	GB19	250X750	3-20#+2-20#	3-16#	2-20#	2L-10#@ 60 C/C	

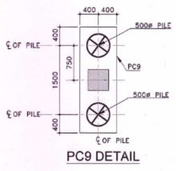


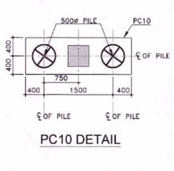


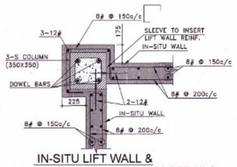


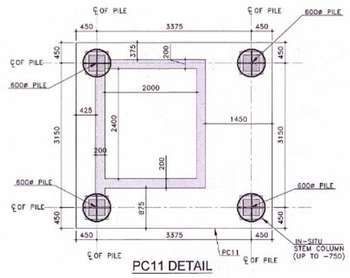


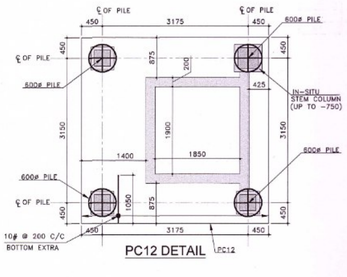


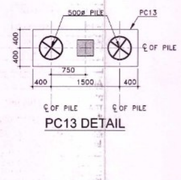


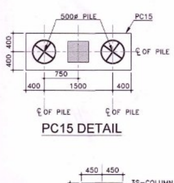


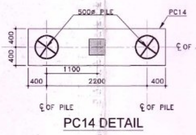


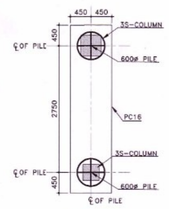


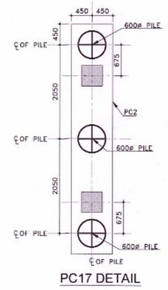


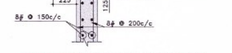


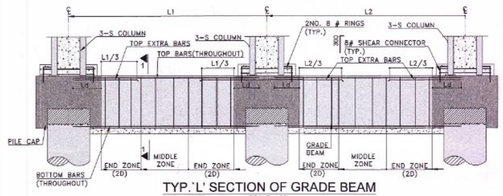


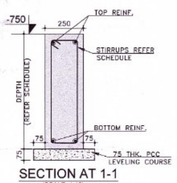


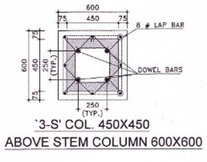


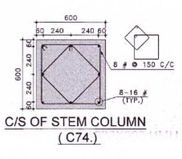


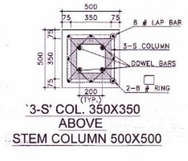


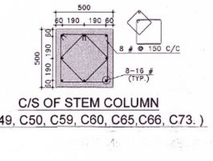


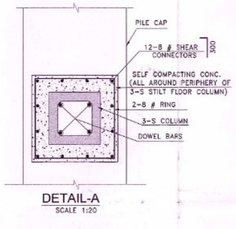


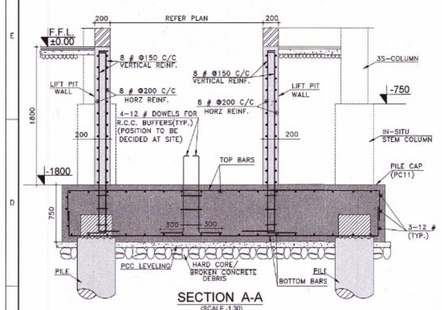


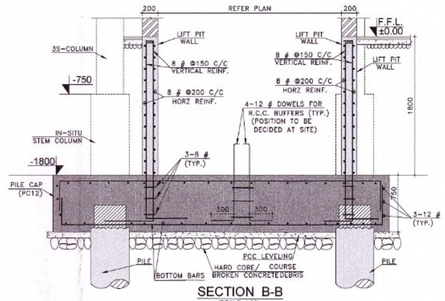


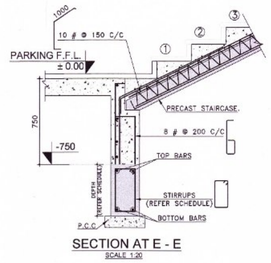


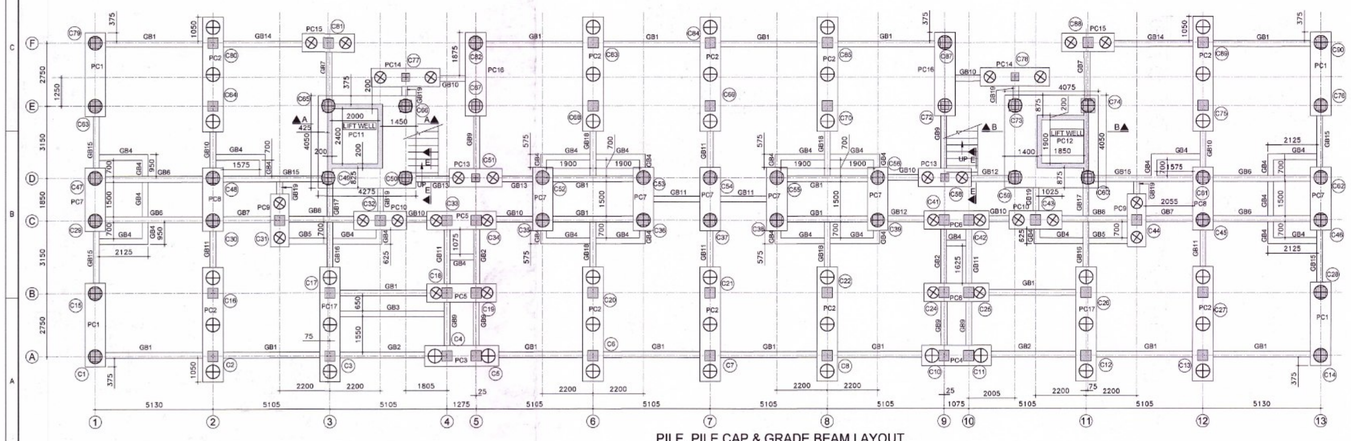


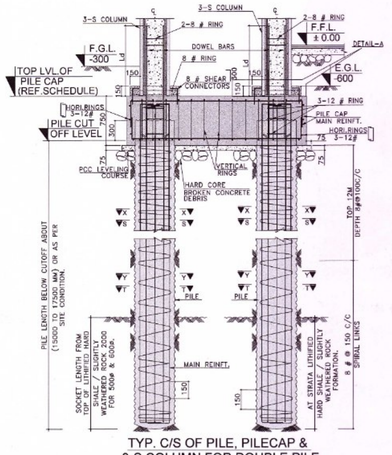


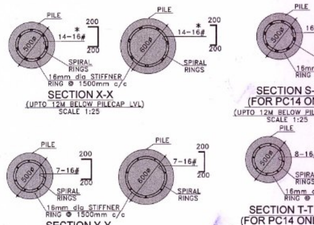












NOTE *:
1. TOP 12M EXTRA BAR TO BE BUNDLED WITH BAR WHICH ARE RUNNING THROUGHOUT THE PILE LENGTH.
2. BUNDLED BAR SHALL BE TIED, WIRED, FASTENED TO ENSURE THAT THEY REMAIN IN POSITION.

•GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
2. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. USE REINFORCEMENT STEEL OF Fe5000 GRADE CONFORMING IS: 1786 FOR ALL R.C.C ELEMENTS IN SUB STRUCTURE.
4. CLEAR COVER TO REINFORCEMENT FOR PILE=75, PILE CAP=75MM & GRADE BEAM 40MM.
5. DEVELOPMENT LENGTH = LAP LENGTH = 36 ø FOR M40 GRADE OF CONCRETE
6. USE CONCRETE GRADE M40 FOR PILE, PILE CAPS, IN-SITU STEM COLUMN&GRADE BEAMS.
7. ANTICORROSIVE TREATMENT OF APPLYING INHIBITED CEMENT SLURRY COATING AS PER CSIR/CECRI KARAIKUDI, INDIAN PATENT NO.109784/67 FOR REINFORCEMENT IN SUBSTRUCTURE.
8. ALL OTHER ITEMS SHALL BE AS PER WORK SPECIFICATION.
9. ALL THE DIMENSIONS & CENTRE LINES SHALL BE VERIFIED FROM ARCH. WORKING DRAWING.
10. BORED CAST INSITU PILE SHALL BE INSTALLED BY DIRECT MUD CIRCULATION TECHNIQUE OR BY USING ROTARY RIG.
11. A MINIMUM GUIDE CASING OF 3.0M SHALL BE USED FOR PILE BOARING
12. 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
13. 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.
14. PILES ARE DESIGNED FOR 50MM POSITIONAL TOLLERANCE.
15. ALL PILE CAP SHALL BE TIED IN TRANSVERSE DIRECTION BY TIE BEAM AS SHOWN
16. ROUTINE PILE LOAD TEST SHALL BE CONDUCTED ON 1.5% RANDOMLY SELECTED PILES FOR 1.5 TIMES WORKING LOAD AS PER IS:2911 PART-4.
17. A SOLID BLOCK MASONARY TO BE CONSTRUCTED FROM PILE CAP LVL TO GROUND LVL.
18. THE RECCOMENDATIONS DETAILED IN THE SOIL INVESTIGATION REPORT OF M/s GEOMARINE CONSULTANTS PVT LTD. CHENNAI REPORT NO. GT-2657 SHOULD BE FOLLOWED SCRUPULOUSLY.

REFERENCE DRAWING

SR.NO.	DRAWING NO	DRAWING DESCRIPTION

REVISION STATUS AND DETAILS

NO.	DATE	REVISION	PROP.	DEALT.	CHKD.	APPD.

RELEASED ON DATED

	SIGNATURE	DATE
DRAWN BY	APK	30.05.2024
DESIGNED & CHECKED BY		31.05.2024
RECOMMENDED		31.05.2024
APPROVED BY	Y. P. KAJALE Regd. Structural Engineer State Govt of Maharashtra Ind/14/19922/(p)/12,000 WCOM No.: STR-2406/15180 Existing B.E No.: STR/6/170	31.05.2024

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CLIENT :

BLDG TYPE:- TYPE-II (S+6) 18 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1600 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
	LOCATION:	
JOB NO. 06-2023	DRG. TITLE	PILE, PILE CAP, GRADE BEAM LAYOUT & DETAILS
DRG. NO.	06-23/KP/TYPE-II/SD/STR-01A	REV. NO. R-0

Dr. K.P. JAYA
Professor
Division of Structural Engineering
Department of Civil Engineering
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CHIEF ENGINEER
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Z:\Documents\Projects\TNHDB\2024\06-07\DWG\BUILDING & TENEMENTS\PILE CAP LAYOUT\PILE CAP LAYOUT AND GRADE BEAM DETAILS-1ST FLOOR.dwg

SCHEDULE OF PILE & PILE CAP

SR. NO	COLUMN NOS	BORED CAST IN-SITU PILE			CAST IN-SITU PILE CAP							
			MAIN REINF			PILE SIZE			MAIN BARS		RINGS		
		DIA OF PILE	UPTO 6 M FROM TOP	BELOW 6M TO PILE TERMINATION	PILE CAP ID	L	B	D	BOTTOM	TOP	VERTICAL	HORIZONTAL	PILE CAP TOP LEVEL
1	C1,C14,C15,C28,C63,C76,C79,C90.	2-500 Ø	14-16#	7-16#	PC1	2300	800	750	8-20#	8-20#	2L-8# @ 100 C/C	3-12#	-750
2	C2+C16,C6+C20,C7+C21,C8+C22,C9+C23, C12+C26,C13+C27,C64+C80, C68+C83,C69+C84,C70+C85, C71+C86, C75+C89.	3-500 Ø	14-16#	7-16#	PC2	4900	800	750	6-25#+6-25#	6-25#	4L-10# @ 80 C/C	3-12#	-750
3	C4+C5,C18+C19,C33+C34.	2-500 Ø	14-16#	7-16#	PC3	3025	800	750	8-25#	8-20#	4L-8# @ 125 C/C	3-12#	-750
4	C10+C11, C24+C25,C41+C42.	2-500 Ø	14-16#	7-16#	PC4	2825	800	750	8-25#	8-20#	4L-8# @ 125 C/C	3-12#	-750
5	C29+C47,C35+C52,C36+C53,C37+C54, C38+C55,C46+C62.	2-500 Ø	14-16#	7-16#	PC5	2650	800	750	7-25#	5-25#	4L-8# @ 150 C/C	3-12#	-750
6	C30+C48,C45+C61.	2-600 Ø	16-16#	8-16#	PC6	2750	900	750	9-25#	8-25#	4L-8# @ 110 C/C	3-12#	-750
7	C32,C43.	2-500 Ø	14-16#	7-16#	PC7	2300	800	750	7-25#	7-25#	2L-8# @ 140 C/C	3-12#	-750
8	C49+C50+C65+C66.	3-500 Ø +1-600 Ø	14-16# FOR 500 Ø 16-16# FOR 600 Ø	7-16# FOR 500 Ø 8-16# FOR 600 Ø	PC8	REFER PLAN		750	16# @ 125 C/C BOTHWAYS	16# @ 125 C/C BOTHWAYS	-	3-12#	-1800
9	C59+C60+C73+C74.	3-500 Ø +1-600 Ø	14-16# FOR 500 Ø 16-16# FOR 600 Ø	7-16# FOR 500 Ø 8-16# FOR 600 Ø	PC9	REFER PLAN		750	16# @ 125 C/C BOTHWAYS	16# @ 125 C/C BOTHWAYS	-	3-12#	-1800
10	C67+C82,C72+C87.	2-500 Ø	14-16#	7-16#	PC10	3550	800	750	6-25#	6-20#	4L-8# @ 90 C/C	3-12#	-750
11	C51,C58.	2-500 Ø	14-16#	7-16#	PC11	2300	800	750	7-25#	7-25#	4L-8# @ 150 C/C	3-12#	-750
12	C31,C44,C81,C88	2-500 Ø	14-16#	7-16#	PC12	2300	800	750	8-25#	8-20#	4L-8# @ 100 C/C	3-12#	-750
13	C77,C78.	2-500 Ø	14-16#	7-16#	PC13	2300	800	750	8-25#	7-12#	2L-8# @ 100 C/C	3-12#	-750
14	C3+C17.	3-600 Ø	16-16#	8-16#	PC14	5000	900	750	9-25#	6-20#	4L-10# @ 70 C/C	3-12#	-750
15	C39+C56,C40+C57.	2-600 Ø	16-16#	8-16#	PC15	2750	900	750	7-20#	7-20#	4L-8# @ 125 C/C	3-12#	-750

GRADE BEAM DETAILS

SL. NO	BEAM ID	BEAM SIZE	BOTTOM REINFORCEMENT	TOP THROUGH REINF.	TOP EXTRA REINF.	STIRRUPS	
			THROUH BARS			END ZONE	MID ZONE
1	GB1	250X750	2-25#+1-20#	3-16#	2-20#	2L-8#@ 60 C/C	2L-8#@ 80 C/C
2	GB2	250X750	2-20#+1-16#	3-16#	2-20#	2L-8#@ 60 C/C	2L-8#@ 100 C/C
3	GB3	250X450	2-16#	2-12#	-	2L-8#@ 200 C/C	
4	GB4	250X350	2-12#	2-12#	-	2L-8#@ 200 C/C	
5	GB5	250X350	2-16#	3-16#	-	2L-8#@ 100 C/C	
6	GB6	250X750	2-20#+1-16#	3-16#	2-16#	2L-8#@ 60 C/C	2L-8#@ 130 C/C
7	GB7	250X750	3-25#	3-20#	3-20#	2L-10#@ 60 C/C	
8	GB8	250X750	2-20#+1-16#	3-16#	2-20#+1-16#	2L-10#@ 90 C/C	
9	GB9	250X750	2-25#+1-20#	3-16#	2-20#	2L-10#@ 60 C/C	2L-10#@ 70 C/C
10	GB10	250X750	3-20#	3-16#	2-16#	2L-10#@ 100 C/C	
11	GB11	250X750	3-20#	3-16#	2-20#	2L-10#@ 60 C/C	2L-10#@ 80 C/C
12	GB12	250X750	2-25#+1-20#	3-16#	3-20#	2L-10#@ 60 C/C	2L-10#@ 80 C/C
13	GB13	250X750	2-20#+1-16#	2-20#+1-25#	-	2L-10#@ 60 C/C	
14	GB14	250X750	2-25#+1-20#	3-16#	2-20#	2L-8#@ 60 C/C	2L-8#@ 75 C/C
15	GB15	250X750	2-20#+1-16#	3-16#	2-20#	2L-10#@ 60 C/C	2L-10#@ 100 C/C
16	GB16	250X750	2-25#+1-20#	3-16#	-	2L-10#@ 80 C/C	
17	GB17	250X750	3-25#+3-20#	3-16#		2L-10#@ 110 C/C	
18	GB18	250X750	3-16#	3-16#	2-12#	2L-10#@ 110 C/C	
19	GB19	250X750	3-16#	3-16#	-	2L-10#@ 80 C/C	

SCHEDULE OF DOWEL BARS (FOR PILE CAP LVL TO 3S COLUMN CONNECTION.)

SR. NO	COLUMN. NO.	COLUMN SIZE	DOWEL BARS.
1	C2,C10,C11,C13,C16,C17,C18,C19,C27,C34, C41,C42,C56,C75,C80,C82,C89	450X450	4-25#+4-20#
2	C1,C3,C4,C5,C14,C15,C28,C33,C35,C52,C63, C74,C76,C79,C90	450X450	8-25#
3	C12,C32,C36,C37,C38,C40,C43,C44,C53,C54, C55,C57	450X450	8-20#
4	C6,C7,C8,C9,C20,C21,C22,C23,C24,C25,C26, C31,C39,C51,C56,C58,C69,C70,C71,C83,C84, C85,C86,C87	450X450	4-20#+4-16#
5	C30,C45,C47,C48,C61	450X450	8-25#+6-20#
6	C29,C46,C52,C81,C88	450X450	12-25#
7	C49,C50,C58,C59,C60,C66,C73,C77,C78	350X350	4-25#
8	C65,C67,C72	350X350	8-25#

LEGEND:	PROPOSED NUMBERS	MAX. PILE CAPACITY	MAX. WORKING LOAD/ PILE
⊗ 500 Ø PILE	109	100 T	~~98.7~~ 99 T
⊕ 600 Ø PILE	13	130 T	124 T

PC1 DETAIL

PC2 DETAIL

PC3 DETAIL

PC4 DETAIL

PC8 DETAIL

PC9 DETAIL

PC10 DETAIL

PC11 DETAIL

PC12 DETAIL

PC13 DETAIL

SECTION AT 1-1
(SCALE 1:15)

PC5 DETAIL

PC6 DETAIL

PC7 DETAIL

DETAIL-A
SCALE 1:20

PC15 DETAIL

PC14 DETAIL

TYP.'L' SECTION OF GRADE BEAM
(SCALE 1:30)

'3-S' COL. 350X350 ABOVE STEM COLUMN 500X500

'3-S' COL. 450X450 ABOVE STEM COLUMN 600X600

C/S OF STEM COLUMN FOR C65.

C/S OF STEM COLUMN (C49, C50, C59, C60, C66, C73)

C/S OF STEM COLUMN (C74.)

SECTION A-A
(SCALE 1:30)

SECTION B-B
(SCALE 1:30)

IN-SITU LIFT WALL & 3S-COLUMN CONNECTION DETAILS

SECTION A-E
SCALE 1:20

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

SECTION X-X
(UPTO 5M BELOW PILECAP LVL)
SCALE 1:25

SECTION Y-Y
(BELOW 5M TO PILE TERMINATION)
SCALE 1:25

PILE, PILE CAP & GRADE BEAM LAYOUT

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE
2. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. USE REINFORCEMENT STEEL OF Fe500D GRADE CONFORMING IS: 1786 FOR ALL R.C.C ELEMENTS IN SUB STRUCTURE.
4. CLEAR COVER TO REINFORCEMENT FOR PILE=75, PILE CAP=75MM & GRADE BEAM 40MM.
5. DEVELOPMENT LENGTH = LAP LENGTH = 36 ⌀ FOR M40 GRADE OF CONCRETE
6. USE CONCRETE GRADE M40 FOR PILE, PILE CAPS, IN-SITU STEM COLUMN&GRADE BEAMS
7. ANTICORROSIVE TREATMENT OF APPLYING INHIBITED CEMENT SLURRY COATING AS PER CECRI/CSIR KARAIKUDI, INDIAN PATENT NO.109784/97 FOR REINFORCEMENT IN SUBSTRUCTURE.
8. ALL OTHER ITEMS SHALL BE AS PER WORK SPECIFICATION.
9. ALL THE DIMENSIONS & CENTRE LINES SHALL BE VERIFIED FROM ARCH. WORKING DRAWING.
10. BORED CAST INSITU PILE SHALL BE INSTALLED BY DIRECT MUD CIRCULATION TECHNIQUE OR BY USING ROTARY RIG.
11. A MINIMUM GUIDE CASING OF 3.0M SHALL BE USED FOR PILE BOARING
12. THE MUD USED SHALL BE MADE OUT OF SODIUM BENTONITE THE MINIUM 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
13. 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.
14. PILES ARE DESIGNED FOR 50MM POSITIONAL TOLLERANCE.
15. ALL PILE CAP SHALL BE TIED IN TRANSVERSE DIRECTION BY TIE BEAM AS SHOWN
16. ROUTINE PILE LOAD TEST SHALL BE CONDUCTED ON 1.5% RANDOMLY SELECTED PILES FOR 1.5 TIMES WORKING LOAD AS PER IS:2911 PART-4.
17. A SOLID BLOCK MASONARY TO BE CONSTRUCTED FROM PILE CAP LVL TO GROUND LVL.
18. THE RECCOMENDATIONS DETAILED IN THE SOIL INVESTIGATION REPORT OF M/s GEOMARINE CONSULTANTS PVT LTD. CHENNAI REPORT NO. GT-2657 SHOULD BE FOLLOWED SCRUPULOUSLY.

REFERENCE DRAWING

SR.NO.	DRAWING NO	DRAWING DESCRIPTION

REVISION STATUS AND DETAILS

NO	DATE	REVISION	PROP.	DEALT.	CHKD.	APPD.

RELEASED ON DATED

	SIGNATURE	DATE
DRAWN BY		20.05.2024
CHECKED & CHECKED BY		21.05.2024
RECHECKED BY		21.05.2024
APPROVED BY	Y. P. KAJALE Regd. Structural Engineer TAMIL NADU URBAN HABITAT/DEVELOPMENT BOARD MCOM No.: STR/600103200 Existing S. E. No.: STR/4179	21.05.2024

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CLIENT :

BLDG TYPE:- TYPE-III (S+6) 20 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM, CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
JOB NO.: 06-2023	LOCATION:	
	ORG. TITLE:	PILE, PILE CAP, GRADE BEAM LAYOUT & DETAILS
ORG. NO.		06-23/KP/TYPE-III/SD/STR-01A
		REV. NO. R-0

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

1. Top 5m exterior bars to be bundled with bars which are running throughout the Pile length
2. Bundled bars shall be tied, extend, fastened to ensure that they remain in position.

23.5.24

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

Z:\PROJECTS\MUMBAI\THERPAN\ 01.05.2024\DOT\TUPLRAWDS-05-2024.2 DRAWING\PILE & PILE CAP LAYOUT.dwg 20 TENEMENT 21-05-2024

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 LEVEL
			UPTO 7 M FROM TOP	BELOW 7M TO PILE TERMINATION		L	B	D	BOTTOM	TOP	VERTICAL	HORIZONTAL	
1	C1+C15,C14+C28,C63+C79,C76+C90.	2-500 Ø	16-16#	8-16#	PC1	3550	800	750	7-20#	7-16#	4L-8# @ 140 C/C	3-12#	-750
2	C2+C16,C6+C20,C7+C21,C69+C84.	3-500 Ø	16-16#	8-16#	PC2	4900	800	750	8-25#	6-20#	4L-10# @ 80 C/C	3-12#	-750
3	C4+C5,C18+C19.	2-600 Ø	16-16#	8-16#	PC3	3250	900	750	8-20#	6-20#	4L-8# @ 125 C/C	3-12#	-750
4	C10+C11, C24+C25.	2-500 Ø	16-16#	8-16#	PC4	3025	900	750	8-20#	6-20#	4L-8# @ 125 C/C	3-12#	-750
5	C29+C47,C35+C52,C36+C53,C37+C54, C46+C62.	2-600 Ø	16-16#	8-16#	PC5	2750	900	750	7-25#	7-25#	4L-8# @ 140 C/C	3-12#	-750
6	C30+C48,C45+C61.	2-600 Ø	16-16#	8-16#	PC6	2750	900	750	8-25#	8-25#	4L-8# @ 100 C/C	3-12#	-750
7	C33+C34.	2-500 Ø	16-16#	9-16#	PC7	3025	800	750	7-25#	6-20#	4L-8# @ 125 C/C	3-12#	-750
8	C31,C44.	2-500 Ø	16-16#	8-16#	PC8	2300	800	750	7-25#	5-16#	4L-10# @ 100 C/C	3-12#	-750
9	C32,C43	2-500 Ø	16-16#	8-16#	PC9	2300	800	750	9-25#	7-20#	4L-10# @ 125 C/C	3-12#	-750
10	C49+C50+C65+C66.	4-600 Ø	16-16#	8-16#	PC10	REFER PLAN		750	16# @ 100 C/C BOTHWAYS PLUS EXTRA 12# @ 200 C/C AS PER PC10 DETAIL	16# @ 100 C/C BOTHWAYS	-	3-12#	-1800
11	C59+C60+C73+C74	4-600 Ø	16-16#	8-16#	PC11	REFER PLAN		750	16# @ 100 C/C BOTHWAYS PLUS EXTRA 16# @ 100 C/C AS PER PC11 DETAIL	16# @ 100 C/C BOTHWAYS	-	3-12#	-1800
12	C51,C58.	2-500 Ø	18-16#	9-16#	PC12	2300	800	750	8-25#	8-20#	4L-8# @ 140 C/C	3-12#	-750
13	C77,C78.	2-500 Ø	18-16#	9-16#	PC13	3000	800	750	7-20#	6-16#	4L-10# @ 100 C/C	3-12#	-750
14	C81,C88.	2-500 Ø	16-16#	8-16#	PC14	2300	800	750	9-20#	8-20#	4L-8# @ 150 C/C	3-12#	-750
15	C67+C82,C72+C87.	2-500 Ø	18-16#	9-16#	PC15	3550	900	750	7-20#	6-20#	4L-8# @ 90 C/C	3-12#	-750
16	C3+C17,C12+C26,C68+C83.	3-600 Ø	16-16#	8-16#	PC16	5000	900	750	9-25#	6-20#	4L-10# @ 80 C/C	3-12#	-750
17	C41+C42.	2-500 Ø	18-16#	9-16#	PC17	2825	800	750	7-25#	7-16#	4L-8# @ 125 C/C	3-12#	-750
18	C13+C27,C64+C80,C75+C89.	3-500 Ø	18-16#	9-16#	PC18	4900	800	750	8-25#	6-20#	4L-10# @ 80 C/C	3-12#	-750

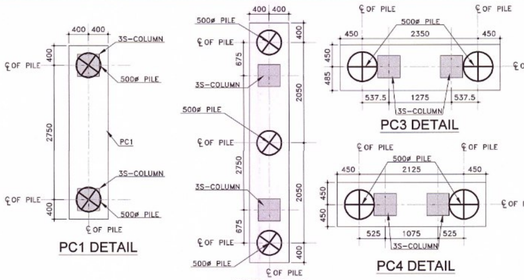
GRADE BEAM DETAILS

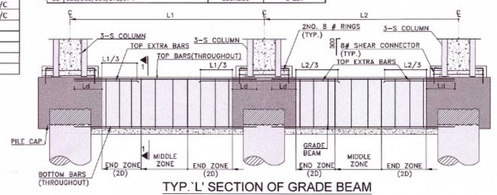
SL. NO	BEAM ID	BEAM SIZE	BOTTOM REINFORCEMENT THROUH BARS	TOP THROUGH REINF.	TOP EXTRA REINF.	STIRRUPS END ZONE	STIRRUPS MID ZONE
1	GB1	250X750	2-25#+1-20#	3-16#	2-20#+1-16#	2L-8#@ 60 C/C	2L- 8#@ 80 C/C
2	GB2	250X750	3-20#	3-16#	2-20#	2L -8#@ 60 C/C	2L- 8#@ 90 C/C
3	GB3	250X350	2-12#	2-12#	-	2L -8#@ 200 C/C	
4	GB4	250X350	2-16#	2-16#	2-12#	2L -8#@ 100 C/C	
5	GB5	250X750	3-20#	3-16#	2-20#	2L -8#@ 60 C/C	2L- 8#@ 100 C/C
6	GB6	250X750	3-25#	3-16#	2-20#	2L -10#@ 60 C/C	
7	GB7	250X750	2-20#+1-16#	3-16#	2-20#+1-16#	2L -10#@ 110 C/C	
8	GB8	250X750	2-20#+1-25#	3-16#	2-16#	2L -10#@ 60 C/C	2L- 10#@ 90 C/C
9	GB9	250X750	2-25#+1-20#	3-16#	2-12#	2L -10#@ 90 C/C	
10	GB10	250X750	2-20#+1-25#	2-16#+1-20#	2-16#	2L -10#@ 60 C/C	2L- 10#@ 90 C/C
11	GB11	250X750	2-20#+1-25#	3-16#	2-20#	2L -10#@ 60 C/C	2L- 10#@ 110 C/C
12	GB12	250X750	2-20#+1-25#	3-16#	2-16#	2L -10#@ 70 C/C	
13	GB13	250X750	3-20#+2-16#	3-16#	2-20#	2L -8#@ 60 C/C	2L- 8#@ 70 C/C
14	GB14	250X750	3-20#	3-16#	2-16#	2L -8#@ 60 C/C	2L- 8#@ 80 C/C
15	GB15	250X750	2-20#+1-25#	3-16#	2-16#	2L -8#@ 200 C/C	
16	GB16	250X750	3-25#+3-25#	3-16#	2-12#	2L -10#@ 80 C/C	
17	GB17	250X750	3-20#	3-16#	2-16#	2L -10#@ 110 C/C	
18	GB18	250X750	3-25#+2-16#	3-16#	-	2L -10#@ 60 C/C	
19	GB19	250X750	3-25#	3-16#	2-20#	2L -10#@ 60 C/C	

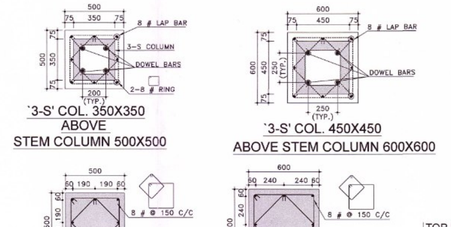
SCHEDULE OF DOWEL BARS
(FOR PILE CAP LVL TO 3S COLUMN CONNECTION.)

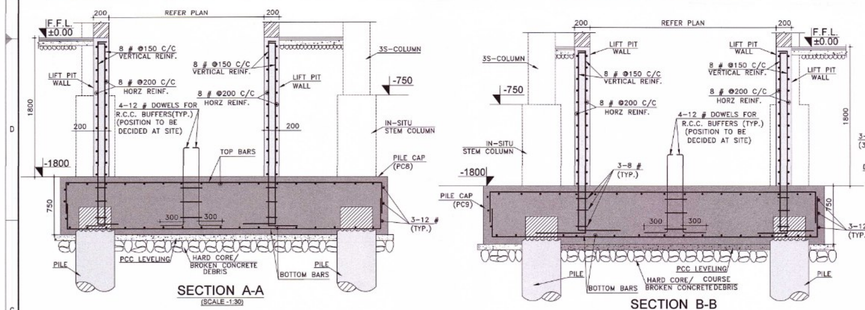
SR. NO	COLUMN. NO.	COLUMN SIZE	DOWEL BARS.
1	C1,C13,C14,C16,C17,C20,C21,C24,C25,C27, C36,C53,C68,C69,C75,C79,C89,C90	450X450	8-20#
2	C2,C4,C5,C10,C11,C12,C26,C29,C30,C32, C33,C34,C35,C41,C43,C45,C46,C47,C60, C62,C80,C82,C88	450X450	8-25#
3	C3,C48,C52,C61	450X450	8-25#+6-20#
4	C6,C7,C15,C28,C63,C76,C83,C84	450X450	4-20#+6-16#
5	C18,C19,C31,C37,C44,C54,C64,C87	450X450	4-25#+4-20#
6	C42	450X450	12-25#
7	C81	450X450	8-25#+6-20#
8	C78,C49,C51,C67	350X350	4-25#
9	C50,C58	350X350	8-20#
10	C73,C77	350X350	4-25#+4-20#
11	C58,C65,C66,C72,C74	350X350	8-25#

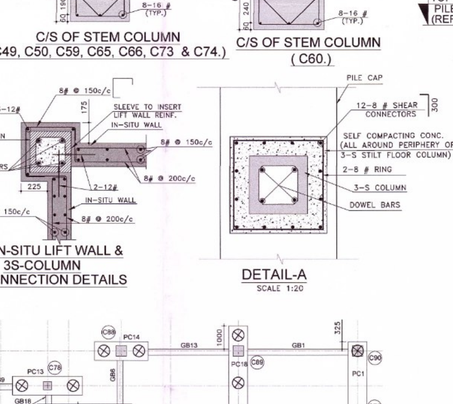
LEGEND:		PROPOSED NUMBERS	MAX. PILE CAPACITY	MAX. WORKING LOAD/ PILE
⊗	500 Ø PILE	57	100 T	95 T
⊕	600 Ø PILE	39	130 T	123 T

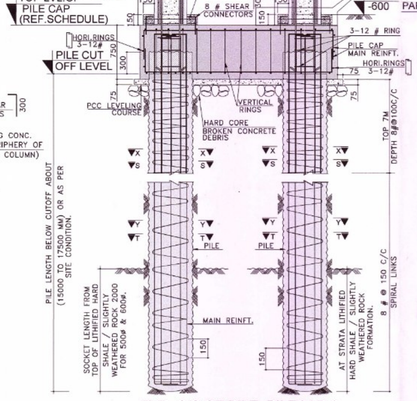


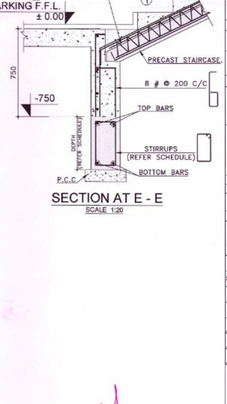


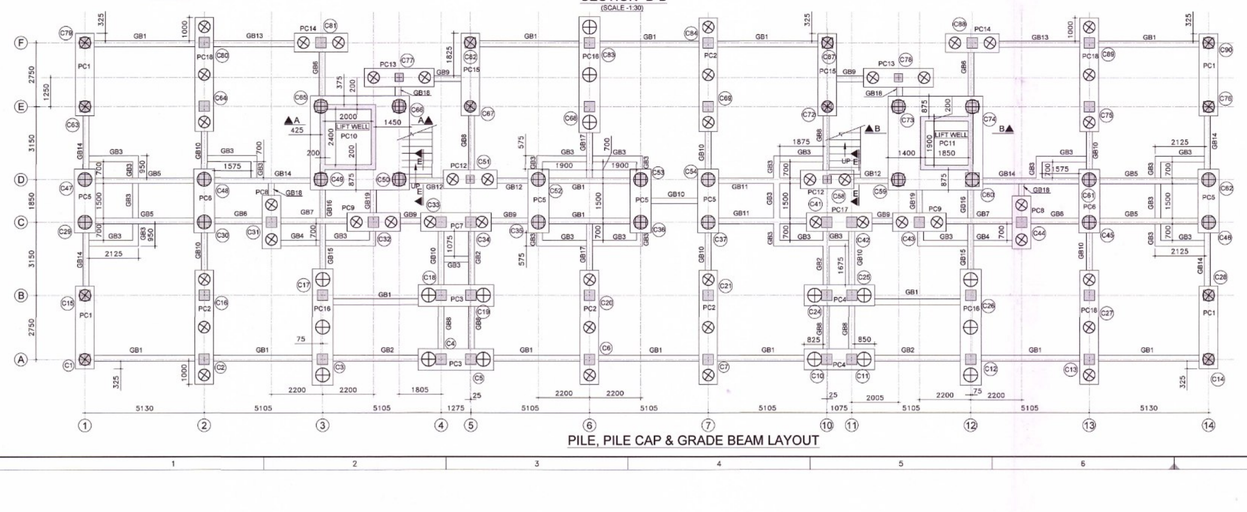














NOTE *:
1. TOP 7M EXTRA BAR TO BE BUNDLED WITH BAR WHICH ARE RUNNING THROUGHOUT THE PILE LENGTH.
2. BUNDLED BAR SHALL BE TIED, WIRED, FASTENED TO ENSURE THAT THEY REMAIN IN POSITION.

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

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

*GENERAL NOTES:

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REFERENCE DRAWING

SR NO.	DRAWING NO	DRAWING DESCRIPTION

REVISION STATUS AND DETAILS

NO.	DATE	REVISION	PROP.	DEALT.	CHKD.	APPD.

RELEASED ON DATED

	SIGNATURE	DATE
DRAWN BY	SWT	08.06.2024
DESIGNED & CHECKED BY		12.06.2024
RECHECKED BY		12.06.2024
APPROVED BY	Y. P. KAJALE, Regd. Structural Engineer, State Govt. of Maharashtra No.STATE/ROB/2004/PL/62300, MCGM No.: STR/0400/12200, Existing G.P. No.: STR/N/170	12.06.2024

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CLIENT :

BLDG TYPE:- TYPE-I (S+6) 16 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:	PLAN SHOWING THE PROPOSED RECONSTRUCTION OF GROUP DEVELOPMENT WITH 17 BLOCKS OF STILT FLOOR+6 FLOORS RESIDENTIAL BUILDING WITH 1800 TENEMENTS AT KOTTURPURAM. CHENNAI COMPRISED IN T.S.NO. 1 part, BLOCK NO. 14 , MAMBALAM TALUK, CHENNAI DISTRICT.
	LOCATION:	
JOB NO.: 06-2023	DRG. TITLE:	PILE, PILE CAP, GRADE BEAM LAYOUT & DETAILS
DRG. NO.	06-23/KP/TYPE-I/SD/STR-01A	REV. NO. R-0

D:\DATAWY DESKTOP\KOTTURPURAM FINAL\16 TENEMENTS\DWG\PILE & PILE CAP LAYOUT, P9-16 TENEMENT (14-06-2024).DWG

THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

Verified RealEstate
3/350/2 Mettukuppam,
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