Verified RealEstate™

RE REGULATORY RECORD

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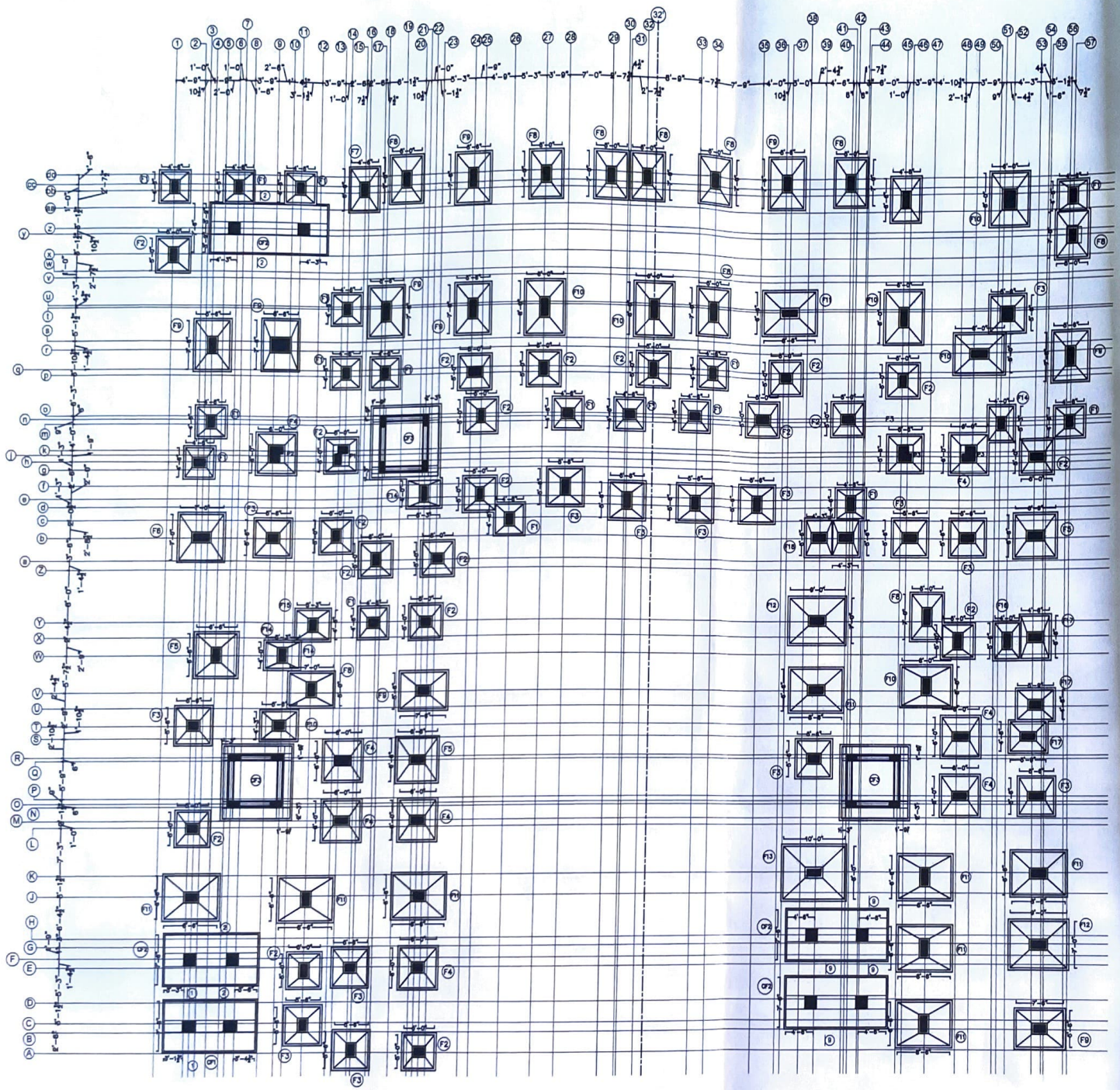
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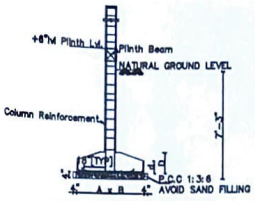
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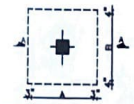
DIGITALLY VERIFIED RECORD



LAYOUT OF FOOTING



SECTION ON A-B(TYP)



LAYOUT OF FOOTING(TYP)

FOOTING SCHEDULE:

S.NO	TYPE	A	B	d	D	REINFORCEMENT BOTHWAYS AT BOTTOM
1	F1	4'-6"	4'-6"	21"	9"	Y12 AT 5" C/C
2	F2	5'-0"	5'-0"	21"	9"	Y12 AT 5" C/C
3	F3	5'-6"	5'-6"	24"	10.5"	Y12 AT 4.5" C/C
4	F4	6'-0"	6'-0"	27"	12"	Y12 AT 4" C/C
5	F5	6'-6"	6'-6"	27"	12"	Y16 AT 6.5" C/C
6	F6	7'-0"	7'-0"	27"	12"	Y16 AT 5.5" C/C
7	F7	4'-6"	6'-6"	27"	12"	Y16 AT 4" C/C
8	F8	5'-0"	7'-0"	27"	12"	Y12 AT 4" C/C
9	F9	5'-6"	7'-6"	30"	12"	Y16 AT 5" C/C
10	F10	6'-0"	8'-0"	27"	12"	Y16 AT 5.5" C/C
11	F11	6'-6"	8'-6"	30"	12"	Y16 AT 5" C/C
12	F12	7'-0"	9'-0"	30"	12"	Y16 AT 4" C/C
13	F13	8'-0"	10'-0"	36"	15"	Y20 AT 6" C/C
14	F14	4'-0"	5'-3"	21"	9"	Y12 AT 5" C/C
15	F15	4'-6"	5'-3"	21"	9"	Y12 AT 5" C/C
16	F16	4'-0"	5'-6"	24"	10.5"	Y12 AT 4" C/C
17	F17	4'-6"	5'-9"	27"	12"	Y12 AT 4" C/C
18	F18	4'-3"	5'-6"	27"	12"	Y12 AT 4" C/C

NOTES:

1. ALL DIMENSIONS ARE IN FEET & INCHES.
2. GRADE OF CONCRETE MIX M25 WITH MINIMUM CEMENT CONTENT 400KG/M3
3. CLEAR COVER TO MAIN REINFORCEMENT
   a) Footing = 50mm b) Column = 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED.
6. LOCATION & ORIENTATION OF THE BUILDING TO BE SUITABLY DECIDED AT SITE.
7. SBC OF SOIL FROM SOIL REPORT IS 35.0 t/m2.
8. FOUNDATION DESIGNED FOR STILT+5 FLOORS ONLY.
9. LIGHT WEIGHT BLOCKS CONSIDERED IN THE DESIGN-740kg/m^3

31.07.2023	A	RELEASED FOR COMMENTS		
DATE	NO	REVISION	CHECKED	APPROVED

STRUCTURAL CONSULTANT
VIGNESH CONSULTING ENGINEERS
" VEL AMRUTHA TOWERS "
15/7 , NALLANA MUDALI STREET,
ROYAPETTAH, CHENNAI-14.
Ph : 28130825
P.K.CHANDRAN M.E(STRUCT)

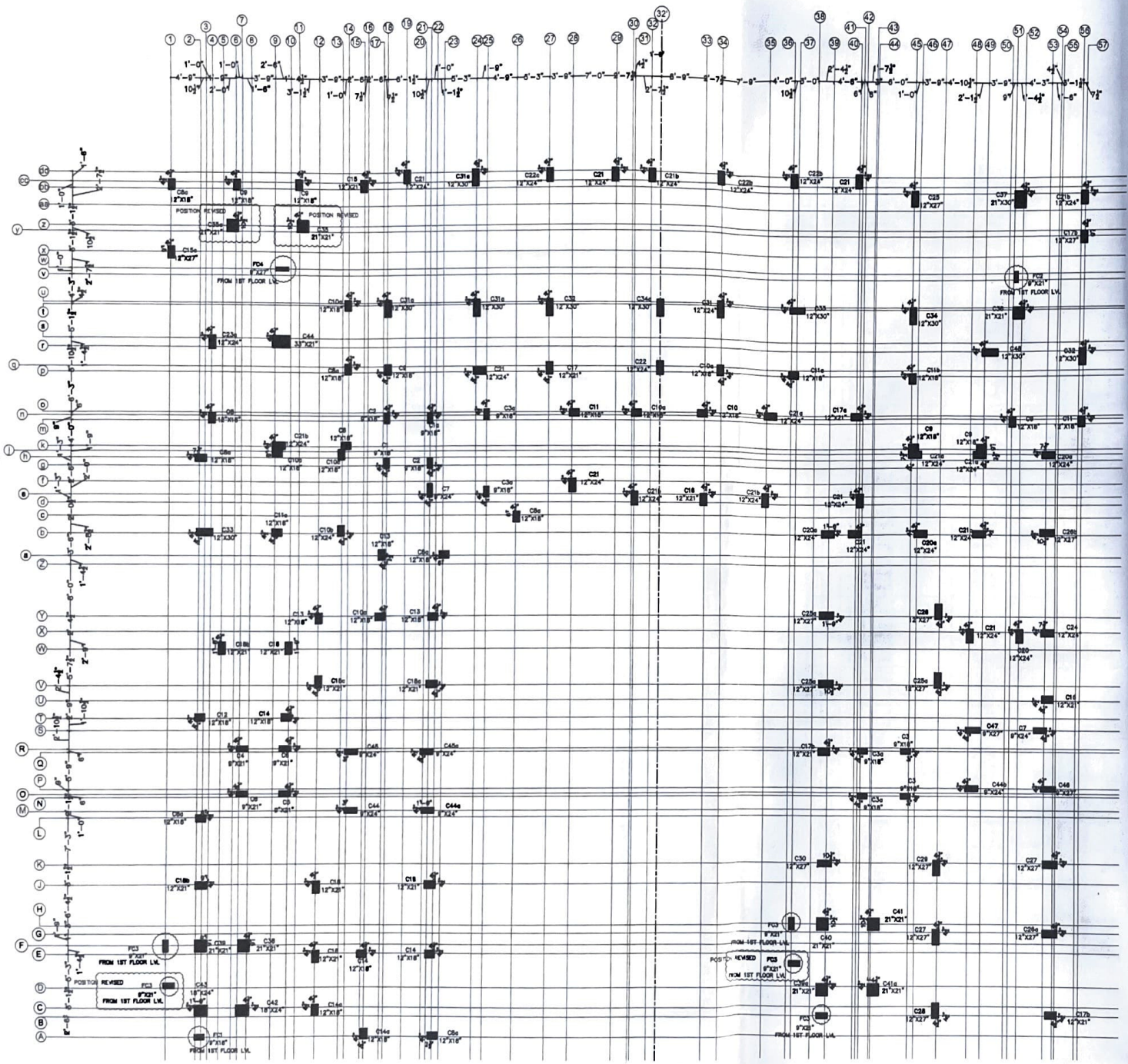
ARCHITECTS:

CLIENT:

PROJECT:
PROPOSED CONSTRUCTION OF S+5 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

DETAILS OF COMBINED FOOTING

	NAME	DATE
DESIGNED	VGE	
DRAWN	HEMA MALINI R	22.07.2023
SCALE		
DRAWING NO	RKP-RAJAKILPAKKAM-SLAB-01	REV 0



LAYOUT OF FOOTING

FLOATING COLUMN
FROM FIRST FLOOR LVL

NOTES.

1. ALL DIMENSIONS ARE IN FEET & INCHES.
2. GRADE OF CONCRETE MIX M25 WITH MINIMUM CEMENT CONTENT 400KG/M3
3. CLEAR COVER TO MAIN REINFORCEMENT
   a) Footing = 50mm b) Column = 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED.
6. LOCATION & ORIENTATION OF THE BUILDING TO BE SUITABLY DECIDED AT SITE.
7. SBC OF SOIL FROM SOIL REPORT IS 35.0 t/m2.
8. FOUNDATION DESIGNED FOR STILT+5 FLOORS ONLY.
9. LIGHT WEIGHT BLOCKS CONSIDERED IN THE DESIGN-740kg/m^3

31.07.2025	A	RELEASED FOR COMMENTS		
DATE	NO	REVISION	CHECKED	APPROVED

STRUCTURAL CONSULTANT
VIGNESH CONSULTING ENGINEERS
" VEL AMRUTHA TOWERS "
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Ph : 28130823
P.N.CHANDRAN M.E(STRUCT)

ARCHITECTS:

CLIENT:

PROJECT:
PROPOSED CONSTRUCTION OF S+5 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

	NAME	DATE
DESIGNED	VCE	
DRAWN	HEMA MALINI R	31.07.2025
SCALE		
DRAWING NO		REV
RP-RAJAKILPAKKAM-S+5-03		0

DETAILS OF COMBINED FOOTING

COLUMN SCHEDULE:

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
1	C1	15" × 0'-9"	4-Y16+2-Y12	15" × 0'-9"	4-Y16+2-Y12	15" × 0'-9"	4-Y16+2-Y12	15" × 0'-9"	4-Y16+2-Y12		Y8 AT 4"/T"
2	C2	15" × 0'-9"	6-Y16	15" × 0'-9"	6-Y16	15" × 0'-9"	4-Y16+2-Y12	15" × 0'-9"	4-Y16+2-Y12		Y8 AT 4"/T"
3	C3	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y16		Y8 AT 4"/T"
4	C3a	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y16	15" × 0'-9"	6-Y12		Y8 AT 4"/T"
5	C4	21" × 0'-9"	6-Y16	21" × 0'-9"	6-Y16	21" × 0'-9" 2-Y12 2-Y12	4-Y16+4-Y12	21" × 0'-9"	6-Y12		Y8 AT 4"/T"
6	C5	21" × 0'-9"	8-Y20	21" × 0'-9"	8-Y20	21" × 0'-9"	8-Y20	21" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16		Y8 AT 4"/T"
7	C6	21" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16	21" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16	21" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16	21" × 0'-9" 4-Y12 4-Y12	4-Y16+4-Y12		Y8 AT 4"/T"
8	C7	24" × 0'-9"	8-Y16	24" × 0'-9"	8-Y16	24" × 0'-9" 2-Y12 2-Y12	4-Y16+4-Y12	24" × 0'-9"	8-Y12		Y8 AT 4"/T"
9	C8	15" × 12" 4-Y12	4-Y16+2-Y12	15" × 0'-9" 4-Y12	4-Y16+2-Y12	15" × 0'-9" 4-Y12	4-Y16+2-Y12	15" × 0'-9" 4-Y12	4-Y16+2-Y12		Y8 AT 4"/T"
10	C8a	15" × 12" 4-Y12	4-Y16+2-Y12	15" × 0'-9" 4-Y12	4-Y16+2-Y12	15" × 0'-9"	8-Y12	15" × 0'-9"	8-Y12		Y8 AT 4"/T"
11	C9	15" × 12"	6-Y16	15" × 0'-9"	6-Y16	15" × 0'-9"	6-Y16	15" × 0'-9" 4-Y12	4-Y16+2-Y12		Y8 AT 4"/T"
12	C10	15" × 12" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16		Y8 AT 4"/T"
L3	C10a	15" × 12" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9"	6-Y16		Y8 AT 4"/T"
14	C10b	15" × 12" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y12	4-Y16+2-Y12	15" × 0'-9"	4-Y16+2-Y12		Y8 AT 4"/T"

COLUMN SCHEDULE:

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
15	C10c	15" × 12" 4-Y16	4-Y20+2-Y16	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9"	6-Y16	15" × 0'-9" 4-Y12	4-Y16+2-Y12		Y8 AT 4"/T"
16	C11	15" × 12"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y16		Y8 AT 4"/T"
17	C11d	15" × 12"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9"	4-Y20+2-Y16		Y8 AT 4"/T"
18	C11b	15" × 12"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9"	6-Y16		Y8 AT 4"/T"
19	C11c	15" × 12"	6-Y20	15" × 0'-9"	6-Y20	15" × 0'-9" 4-Y16	4-Y20+2-Y16	15" × 0'-9"	6-Y12		Y8 AT 4"/T"
20	C12	15" × 12" 4-Y20	4-Y25+2-Y20	15" × 0'-9" 4-Y20	4-Y25+2-Y20	15" × 0'-9"	6-Y20	15" × 0'-9"	6-Y20		Y8 AT 4"/T"
21	C13	15" × 12" 4-Y16 4-Y16	4-Y20+4-Y16	15" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16	15" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16	15" × 0'-9"	8-Y16		Y8 AT 4"/T"
22	C14	15" × 12"	8-Y20	15" × 0'-9"	8-Y20	15" × 0'-9"	8-Y20	15" × 0'-9"	8-Y16		Y8 AT 4"/T"
23	C14c	15" × 12"	8-Y20	15" × 0'-9"	8-Y20	15" × 0'-9" 4-Y16 4-Y16	4-Y20+4-Y16	15" × 0'-9"	8-Y16		Y8 AT 4"/T"
24	C15	21" × 12" 4-Y12	4-Y16+2-Y12	21" × 0'-9" 4-Y12	4-Y16+2-Y12	21" × 0'-9" 4-Y12	4-Y16+2-Y12	21" × 0'-9" 4-Y12	4-Y16+2-Y12		Y8 AT 4"/T"
25	C15a	21" × 12" 4-Y12	4-Y16+2-Y12	21" × 0'-9" 4-Y12	4-Y16+2-Y12	21" × 0'-9"	6-Y12	21" × 0'-9"	6-Y12		Y8 AT 4"/T"
26	C16	12" × 12"	6-Y16	12" × 0'-9"	6-Y16	12" × 0'-9" 2-Y12	4-Y16+2-Y12	12" × 0'-9" 4-Y12	4-Y16+2-Y12		Y8 AT 4"/T"
27	C17	21" × 12" 4-Y16	4-Y20+2-Y16	21" × 0'-9" 4-Y16	4-Y20+2-Y16	21" × 0'-9" 4-Y16	4-Y20+2-Y16	21" × 0'-9" 4-Y16	4-Y20+2-Y16		Y8 AT 4"/T"
28	C17a	21" × 12" 4-Y16	4-Y20+2-Y16	21" × 0'-9" 4-Y16	4-Y20+2-Y16	21" × 0'-9" 4-Y16	4-Y20+2-Y16	21" × 0'-9"	6-Y16		Y8 AT 4"/T"

NOTES:-

1. ALL DIMENSIONS ARE IN FOOT AND INCHES
2. GRADE OF CONCRETE MIX SHALL BE M25
3. Y DENOTES HIGH YIELD STRENGTH DEFORMED BARS (HYSD Fe500 GRADE) CONFORMING TO IS 1786-2008
4. CLEAR COVER TO MAIN REINFORCEMENT
   a) BEAM = 30mm b) SLAB =20mm
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED
6. LIGHT WEIGHT BLOCKS CONSIDERED

DATE	NO	REVISION	CHECKED	APPROVED
31.07.2020	A	RELEASED FOR COMMENTS		

STRUCTURAL CONSULTANT: VIGNESH CONSULTING ENGINEERS — " VEL AMRUTHA TOWERS " 15/7, MALLANA MUDALI STREET, ROYAPETTAH, CHENNAI-14. Ph : 28130825 — P.S.CHANDIRAN M.E(STRUCT)

ARCHITECTS:

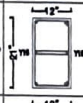
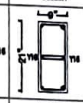
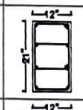
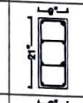
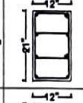
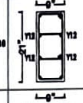
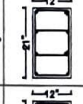
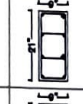
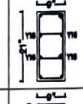
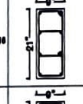
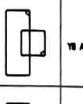
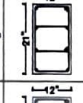
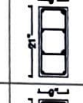
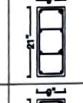
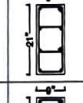
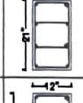
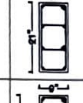
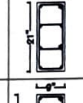
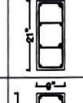
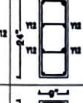
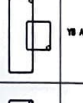
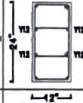
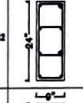
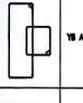
CLIENT:

PROJECT: PROPOSED CONSTRUCTION OF S+5 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

	NAME	DATE
DESIGNED	VCE	
DRAWN	VENKATAMANI S	31.07.2020
SCALE		
DRAWING NO		REV
VF-RAJAKILPAKKAM-SJRD-04		A

DETAILS OF COMBINED FOOTING

COLUMN SCHEDULE:

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
29	C17b		4-Y20+2-Y16		4-Y20+2-Y16		8-Y16		4-Y16+2-Y12		Y8 AT 6"/T"
30	C18		8-Y20		8-Y20		8-Y20		8-Y16		Y8 AT 6"/T"
31	C18a		8-Y20		8-Y20		4-Y20+4-Y16		4-Y16+4-Y12		Y8 AT 6"/T"
32	C18b		8-Y20		8-Y20		4-Y20+4-Y16		8-Y16		Y8 AT 6"/T"
33	C18c		8-Y20		8-Y20		8-Y20		8-Y20		Y8 AT 6"/T"
34	C19		8-Y25		8-Y25		8-Y25		8-Y16		Y8 AT 6"/T"
35	C20		4-Y16+4-Y12		4-Y16+4-Y12		4-Y16+4-Y12		4-Y16+4-Y12		Y8 AT 6"/T"
36	C20a		4-Y16+4-Y12		4-Y16+4-Y12		4-Y16+4-Y12		8-Y12		Y8 AT 6"/T"
37	C21		8-Y16		8-Y16		8-Y16		8-Y16		Y8 AT 6"/T"
38	C21a		8-Y16		8-Y16		8-Y16		4-Y16+4-Y12		Y8 AT 6"/T"
39	C21b		8-Y16		8-Y16		4-Y16+4-Y12		4-Y16+4-Y12		Y8 AT 6"/T"
40	C21c		8-Y16		8-Y16		4-Y16+4-Y12		8-Y12		Y8 AT 6"/T"
41	C22		4-Y20+4-Y16		4-Y20+4-Y16		4-Y20+4-Y16		4-Y20+4-Y16		Y8 AT 6"/T"
42	C22a		4-Y20+4-Y16		4-Y20+4-Y16		4-Y20+4-Y16		4-Y16+4-Y12		Y8 AT 6"/T"

COLUMN SCHEDULE:

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
43	C22b		4-Y20+4-Y16		4-Y20+4-Y16		4-Y20+4-Y16		8-Y16		Y8 AT 6"/T"
44	C22c		4-Y20+4-Y16		4-Y20+4-Y16		8-Y16		4-Y16+4-Y12		Y8 AT 6"/T"
45	C23c		8-Y20		8-Y20		8-Y16		4-Y16+4-Y12		Y8 AT 6"/T"
46	C24		4-Y25+4-Y20		4-Y25+4-Y20		4-Y25+4-Y20		4-Y25+4-Y20		Y8 AT 6"/T"
47	C25		8-Y20		8-Y20		8-Y20		8-Y20		Y8 AT 6"/T"
48	C25c		8-Y20		8-Y20		8-Y16		4-Y16+4-Y12		Y8 AT 6"/T"
49	C26		4-Y25+4-Y20		4-Y25+4-Y20		4-Y25+4-Y20		4-Y25+4-Y20		Y8 AT 6"/T"
50	C26b		4-Y25+4-Y20		4-Y25+4-Y20		4-Y25+4-Y20		8-Y20		Y8 AT 6"/T"
51	C26b		4-Y25+4-Y20		4-Y25+4-Y20		8-Y20		8-Y16		Y8 AT 6"/T"
52	C27		8-Y25		8-Y25		8-Y25		8-Y20		Y8 AT 6"/T"
53	C28		10-Y20		10-Y20		8-Y20+2-Y16		8-Y20+2-Y16		Y8 AT 6"/T"

NOTES:-

1. ALL DIMENSIONS ARE IN FOOT AND INCHES
2. GRADE OF CONCRETE MIX SHALL BE M25
3. Y DENOTES HIGH YIELD STRENGTH DEFORMED BARS (HYSD Fe500 GRADE) CONFORMING TO IS 1786-2008
4. CLEAR COVER TO MAIN REINFORCEMENT
   a) BEAM = 30mm b) SLAB =20mm
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED
6. LIGHT WEIGHT BLOCKS CONSIDERED

DATE	NO	REVISION	CHECKED	APPROVED
31.07.2023	A	RELEASED FOR COMMENTS		

STRUCTURAL CONSULTANT
VIGNESH
CONSULTING ENGINEERS
" VEL AMRUTHA TOWERS "
15/7 , MALLAIA MUDALI STREET,
ROYAPETTAH, CHENNAI-14.
Ph: 28130823
R.K.CHANDRAN M.E(STRUCT)

ARCHITECTS:

CLIENT:

PROJECT:
PROPOSED CONSTRUCTION OF S+8 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

DETAILS OF COMBINED FOOTING

	NAME	DATE
DESIGNED	VGS	
DRAWN	VENKATESH R	31.07.2023
SCALE		
DRAWING NO		REV
AF-RAJAKILPAKKAM-S+8-C-06		A

COLUMN SCHEDULE:

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
54	C29	12" × 27"	←Y25+6-Y20	9" × 27"	←Y25+6-Y20	9" × 27"	←Y20+6-Y16	9" × 27"	←Y16+6-Y12		Y8 AT 4"/7"
55	C30	12" × 27"	10-Y25	9" × 27"	10-Y25	9" × 27"	10-Y20	9" × 27"	10-Y16		Y8 AT 4"/7"
56	C31	12" × 30"	←Y20+4-Y16	9" × 30"	←Y20+4-Y16	9" × 30"	←Y20+4-Y16	9" × 30"	←Y16+4-Y12		Y8 AT 4"/7"
57	C31a	12" × 30"	←Y20+4-Y16	9" × 30"	←Y20+4-Y16	9" × 30"	8-Y16	9" × 30"	←Y16+4-Y12		Y8 AT 4"/7"
58	C32	12" × 30"	←Y20+6-Y16	9" × 30"	←Y20+6-Y16	9" × 30"	10-Y16	9" × 30"	10-Y16		Y8 AT 4"/7"
59	C33	12" × 30"	10-Y20	9" × 30"	10-Y20	9" × 30"	10-Y20	9" × 30"	10-Y20		Y8 AT 4"/7"
60	C34	12" × 30"	←Y25+6-Y20	9" × 30"	←Y25+6-Y20	9" × 30"	10-Y20	9" × 30"	10-Y20		Y8 AT 4"/7"
61	C34a	12" × 30"	←Y25+6-Y20	9" × 30"	←Y25+6-Y20	9" × 30"	10-Y20	9" × 30"	10-Y16		Y8 AT 4"/7"
62	C44	9" × 24"	8-Y20	9" × 24"	8-Y20	9" × 24"	8-Y20	9" × 24"	8-Y16		Y8 AT 4"/7"
63	C44a	9" × 24"	8-Y20	9" × 24"	8-Y20	9" × 24"	8-Y16	9" × 24"	←Y16+4-Y12		Y8 AT 4"/7"
64	C44b	9" × 24"	8-Y20	9" × 24"	8-Y20	9" × 24"	←Y20+4-Y16	9" × 24"	8-Y16		Y8 AT 4"/7"

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
65	C45	9" × 24"	←Y25+4-Y20	9" × 24"	←Y25+4-Y20	9" × 24"	←Y20+4-Y16	9" × 24"	8-Y16		Y8 AT 4"/7"
66	C45	9" × 24"	←Y25+4-Y20	9" × 24"	←Y25+4-Y20	9" × 24"	8-Y16	9" × 24"	8-Y16		Y8 AT 4"/7"
67	C46	9" × 27"	8-Y20	9" × 27"	8-Y20	9" × 27"	←Y20+4-Y16	9" × 27"	8-Y16		Y8 AT 4"/7"
68	C47	9" × 27"	←Y25+4-Y20	9" × 27"	←Y25+4-Y20	9" × 27"	←Y25+4-Y20	9" × 27"	←Y20+4-Y16		Y8 AT 4"/7"
69	C48	12" × 30"	10Y-25	9" × 30"	10Y-25	9" × 30"	←Y20+6-Y16	9" × 30"	10Y-16		Y8 AT 4"/7"

NOTES:-

1. ALL DIMENSIONS ARE IN FOOT AND INCHES
2. GRADE OF CONCRETE MIX SHALL BE M25
3. Y DENOTES HIGH YIELD STRENGTH DEFORMED BARS (HYSD Fe500 GRADE) CONFORMING TO IS 1786-2008
4. CLEAR COVER TO MAIN REINFORCEMENT
   a) BEAM = 30mm b) SLAB =20mm
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED
6. LIGHT WEIGHT BLOCKS CONSIDERED

21.07.2025	A	RELEASED FOR COMMENTS		
DATE	NO	REVISION	CHECKED	APPROVED

STRUCTURAL CONSULTANT
VIGNESH CONSULTING ENGINEERS
" VEL AMRUTHA TOWERS "
15/7 , KALLANA MUDALI STREET, ROYAPETTAH, CHENNAI-14.
Ph : 28130823
P.K.CHANDIRAN M.E(STRUCT)

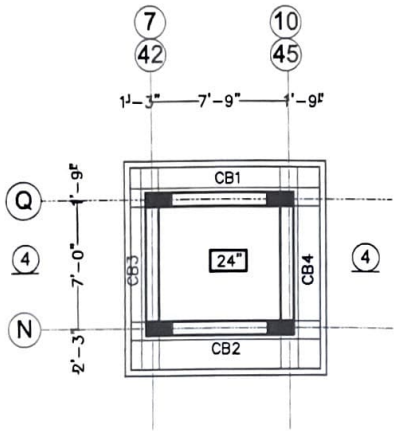
ARCHITECTS:

CLIENT:

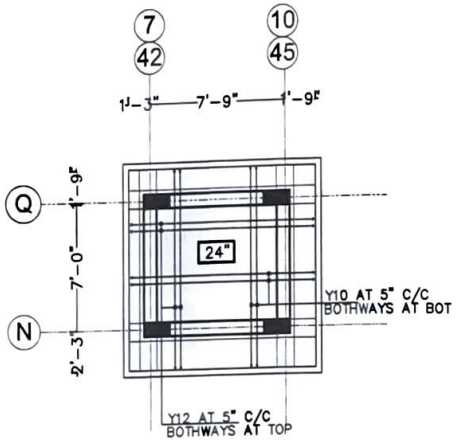
PROJECT:
PROPOSED CONSTRUCTION OF S+5 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

	NAME	DATE
DESIGNED	VCE	
DRAWN	VENKATAMANI R	21.07.2025
SCALE		
DRAWING NO		REV
	VE-RAJAKILPAKKAM-SAD-08	A

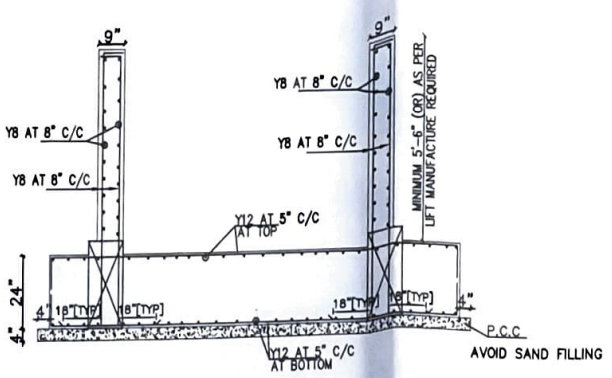
DETAILS OF COMBINED FOOTING



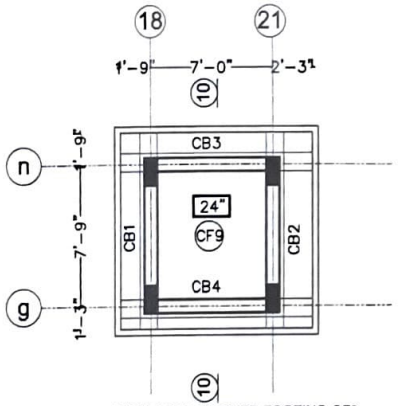
LAYOUT OF COMBINED FOOTING-CF3



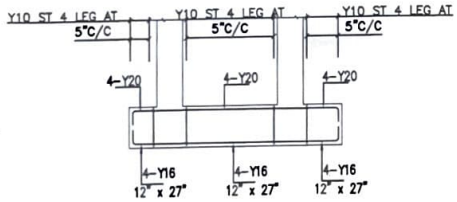
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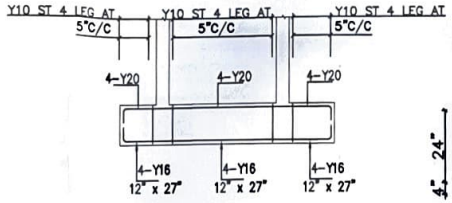
SECTION ON 4-4
DETAIL OF RC WALL



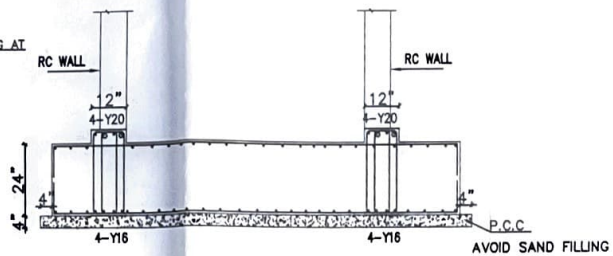
LAYOUT OF COMBINED FOOTING-CF3



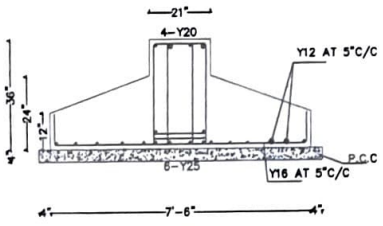
L.S OF CB1 & CB2 (TYP)



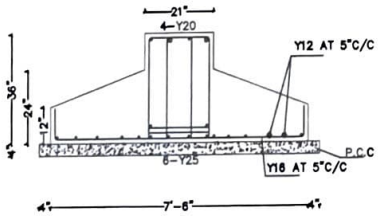
L.S OF CB3 & CB4 (TYP)



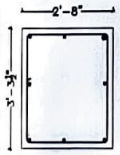
SECTION ON 10-10



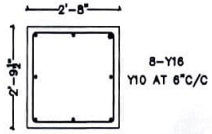
SECTION 1-1
DETAIL OF CF1



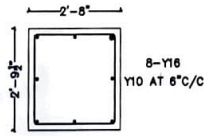
SECTION 2-2
DETAIL OF CF2



DETAIL OF P1



DETAIL OF P2



DETAIL OF P3

NOTES:

1. ALL DIMENSIONS ARE IN FEET & INCHES.
2. GRADE OF CONCRETE MIX M25 WITH MINIMUM CEMENT CONTENT 400KG/M3
3. CLEAR COVER TO MAIN REINFORCEMENT
   a) Footing = 50mm b) Column = 40mm
4. 'Y' DENOTES HYSD BARS (Fe 500) CONFORMING TO IS:1786 -2008
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED.
6. LOCATION & ORIENTATION OF THE BUILDING TO BE SUITABLY DECIDED AT SITE.
7. SBC OF SOIL FROM SOIL REPORT IS 35.0 t/m2.
8. FOUNDATION DESIGNED FOR STILT+5 FLOORS ONLY.
9. LIGHT WEIGHT BLOCKS CONSIDERED IN THE DESIGN-740kg/m^3

DATE	NO	REVISION	CHECKED	APPROVED
22.07.2025	A	RELEASED FOR COMMENTS		

STRUCTURAL CONSULTANT
VIGNESH CONSULTING ENGINEERS
" VEL AMRUTHA TOWERS "
15/7 , NALLANA MUDALI STREET,
ROYAPETTAH, CHENNAI-14.
28130825
P.M.CHANDRAN M.E(STRUCT)

ARCHITECTS:

CLIENT:

PROJECT:
PROPOSED CONSTRUCTION OF S+5 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

LAYOUT & RC DETAILS OF COMBINED FOOTING

	NAME	DATE
DESIGNED	VCE	
DRAWN	HEMA MALINI R	22.07.2025
SCALE		
DRAWING NO	AF-RAJAKILPAKKAM-S.NO-03	REV A

COLUMN SCHEDULE:

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
70	C35	21" × 21", Y16 Y16 / Y16 Y16	18-Y20+4-Y16	9" × 21"	12-Y20	9" × 21"	12-Y16	9" × 21"	12-Y12		OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
71	C35a	21" × 21", Y16 Y16 / Y16 Y16	18-Y20+4-Y16	9" × 21"	12-Y20	9" × 21"	12-Y16	9" × 21"	12-Y12		OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
72	C36	21" × 21"	12-Y25								OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
73	C37	21" × 30", Y16 Y16 / Y20 Y20 Y20 Y20 / Y16 Y16	10-Y25+ 8-Y20+6-Y16	21" × 9"	10-Y25	21" × 9"	10-Y20	21" × 9"	10-Y16		OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
74	C38	21" × 21", Y20 Y20 Y20 Y20 / Y20	10Y-25+6-Y20	9" × 21"	10Y-25	9" × 21"	10Y-20	9" × 21", Y20 Y20 / Y20 Y20	4-Y20+6-Y16		Y8 AT 4"/T"
75	C39	21" × 21"	12-Y25								Y8 AT 4"/T"
76	C39a	21" × 21"	12-Y25								Y8 AT 4"/T"
77	C40	21" × 21"	16-Y25								OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
78	C41	21" × 21", Y16 / Y16	8-Y25+ 4-Y20+2-Y16	9" × 21"	8-Y25	9" × 21"	8-Y20	9" × 21"	8-Y16		OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
79	C41a	21" × 21", Y16 Y16	12-Y25+2-Y16	21" × 9"	8-Y25	21" × 9"	8-Y20	21" × 9"	8-Y16		OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"
80	C42	18" × 24"	12-Y25	9" × 24"	8-Y25	9" × 24"	8-Y20	9" × 24"	8-Y16		Y8 AT 4"/T"
81	C43	18" × 24"	12-Y25								Y8 AT 4"/T"

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
82	FC1	FROM FIRST FLOOR		9" × 18"	8-Y25	9" × 18"	8-Y25	9" × 18"	8-Y16		Y8 AT 4"/T"
83	FC2	FROM FIRST FLOOR		9" × 21"	8-Y25	9" × 21"	8-Y16	9" × 21", Y12 Y12	4-Y16+2-Y12		Y8 AT 4"/T"
84	FC3	FROM FIRST FLOOR		9" × 21"	8-Y25	9" × 21", Y20 Y20 Y20 Y20	4-Y25+4-Y20	9" × 21", Y20 Y20 Y20 Y20	4-Y25+4-Y20		Y8 AT 4"/T"
85	FC4	FROM FIRST FLOOR		9" × 27"	8-Y25	9" × 27", Y20 Y20 Y20 Y20	4-Y25+4-Y20	9" × 27", Y20 Y20 Y20 Y20	4-Y25+4-Y20		Y8 AT 4"/T"

S.NO	TYPE	COLUMN	STILT FLOOR	COLUMN	FIRST FLOOR	COLUMN	SECOND & THIRD FLOOR	COLUMN	FOURTH & FIFTH FLOOR		TIES
86	C44	21" × 33"	24-Y20	9" × 21"	12-Y20	9" × 21"	12-Y20	9" × 21"	12-Y16		OUTER RING Y10 AT 4"/T" INNER RING Y8 AT 4"/T"

NOTES:-

1. ALL DIMENSIONS ARE IN FOOT AND INCHES
2. GRADE OF CONCRETE MIX SHALL BE M25
3. Y DENOTES HIGH YIELD STRENGTH DEFORMED BARS (HYSD Fe500 GRADE) CONFORMING TO IS 1786-2008
4. CLEAR COVER TO MAIN REINFORCEMENT
   a) BEAM = 30mm b) SLAB =20mm
5. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR AND SHALL BE KEPT STAGGERED
6. LIGHT WEIGHT BLOCKS CONSIDERED

DATE	NO	REVISION	CHECKED	APPROVED
31.07.2023	A	RELEASED FOR COMMENTS		

STRUCTURAL CONSULTANT: VIGNESH CONSULTING ENGINEERS, 15/7, , KALLIANA MUDALI STREET, ROYAPETTAH, CHENNAI-14. P.S.CHANDRAN M.E(STRUCT)

ARCHITECTS:

CLIENT:

PROJECT: PROPOSED CONSTRUCTION OF S+3 RESIDENTIAL BUILDING AT RAJAKILAPAKKAM

DETAILS OF COMBINED FOOTING

	NAME	DATE
DESIGNED	VCE	
DRAWN	VIGNESH KUMAR S	31.07.2023
SCALE		
DRAWING NO	V-RAJAKILPAKKAM-S+3-07	REV A

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

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Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.