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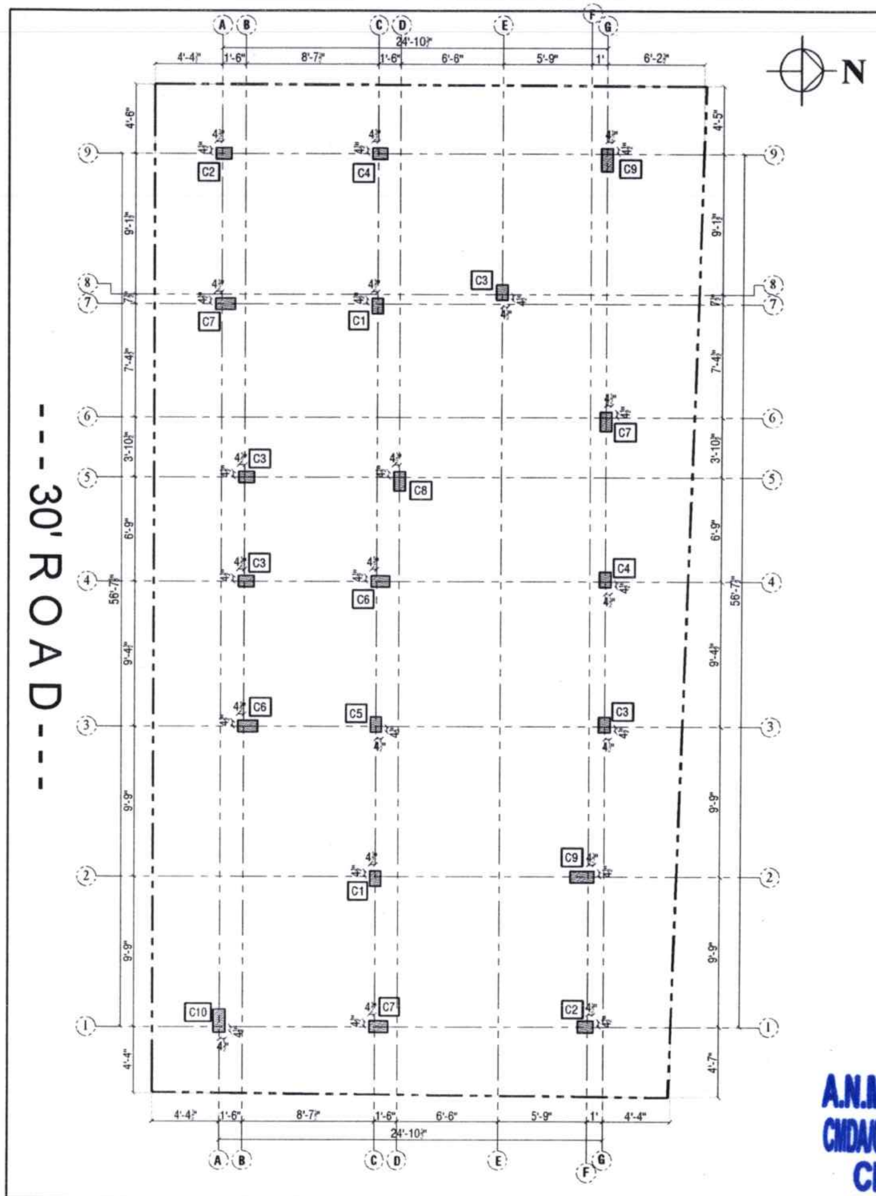

RCC COLUMN DETAIL

S No	Column No	Column Size	Column Reinforcement from Foundation to GF Roof Slab	ColumnReinforcement from GF Roof Slab to SF roof Slab	No. of columns	Ties
1	C1	9" x 9"	6 - Y12, Y8 @ 7"c/c	TERMINATED AT GF ROOF SLAB LVL	2	
2	C2	9" x 12"	6 - Y12, Y8 @ 7"c/c	4 - Y12, Y8 @ 7"c/c	2	
3	C3	9" x 12"	4 - Y16, Y8 @ 7"c/c	4 - Y16, Y8 @ 7"c/c	4	
4	C4	9" x 12"	4 - Y16 + 2 - Y12●, Y8 @ 7"c/c	6 - Y12, Y8 @ 7"c/c	2	
5	C5	9" x 12"	4 - Y16 + 2 - Y12●, Y8 @ 7"c/c	4 - Y16 + 2 - Y12 ●, Y8 @ 7"c/c	1	
6	C6	9" x 15"	4 - Y16 + 2 - Y12●, Y8 @ 7"c/c	6 - Y12, Y8 @ 7"c/c	2	
7	C7	9" x 15"	4 - Y16 + 2 - Y12●, Y8 @ 7"c/c	4 - Y16 + 2 - Y12 ●, Y8 @ 7"c/c	3	
8	C8	9" x 15"	6 - Y16 + 2 - Y12●, Y8 @ 7"c/c	6 - Y12, Y8 @ 7"c/c	1	
9	C9	9" x 18"	4 - Y20 + 4 - Y16●, Y8 @ 7"c/c	4 - Y20 + 4 - Y16 ●, Y8 @ 7"c/c	2	
10	C10	9" x 18"	8 - Y20, Y8 @ 7"c/c	8 - Y20, Y8 @ 7"c/c	1	
				TOTAL NO. OF COLUMNS	20	

GENERAL NOTES

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M20 SR) design mix conforming to I.S.456-2000.
3. Y Denotes for 50 steel conforming to I.S.1786 - 1985, grade - Fe500.
4. Assumed [illegible] bearing capacity of soil : 150kN/m².
5. [illegible] main steel [illegible] b) Footing - 2".
6. Lap length [illegible] at column lapping provide 5" [illegible] lapping at Beam column joint. [illegible] 40% of reinforcement shall be [illegible] particular junction.
7. [illegible] G + 2 only.
8. Excavate up[illegible] hard strata.
9. All dimensions are in feet and inches.
10. Development length (Ld) for reinforcement bars [illegible] compression - 45Ø , in tension - 60Ø

R0	GOOD FOR CONSTRUCTION	16.09.23	
Ref.	Description	Date	Sign

REVISIONS

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GANGA- PLOT 1& 2- RESIDENTIAL APARTMENT AT KUNDRATHUR

COLUMN LAYOUT AND REINFORCEMENT DETAILS

mp developers — Plot No.3, Tamarcy Street, Somasundaram Nagar, Pallavaram, Chennai - 600 043

Drawn	BINDHU
Design & Checked	MAGESH

Size: A4 | DWG No: DWG-GANGA-001

A.N.MAGESH RAJA, M.E.,(Structural Engineer)
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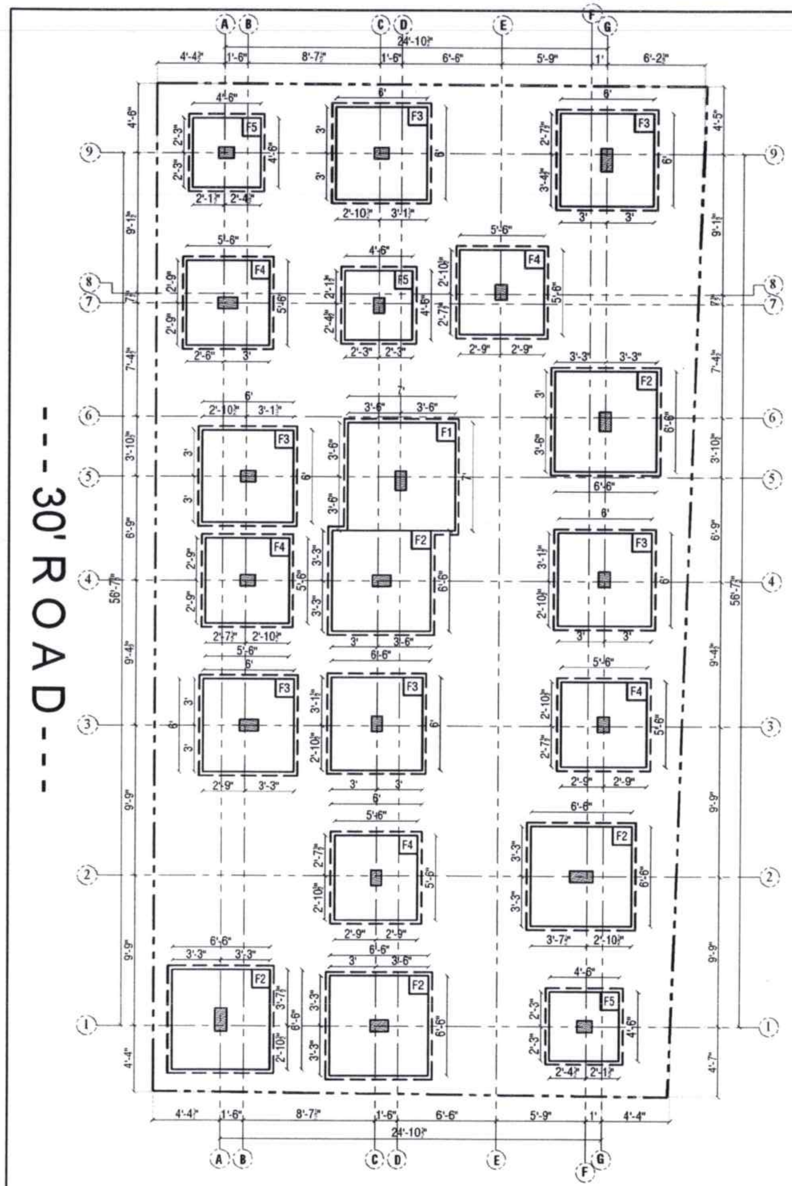
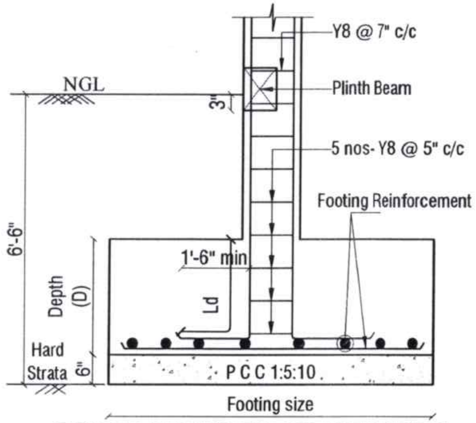


N

RCC FOOTING DETAIL

Footing No	Footing Size	Footing Depth D	Footing Reinforcement Bottom Mat	No. OF FOOTING
F1	7'0" x 7'0"	18"	Y12 @ 6" c/c BOTH WAYS	1
F2	6'6" x 6'6"	18"	Y10 @ 5" c/c BOTH WAYS	5
F3	6'0" x 6'0"	15"	Y10 @ 5" c/c BOTH WAYS	6
F4	5'6" x 5'6"	15"	Y10 @ 6" c/c BOTH WAYS	5
F5	4'6" x 4'6"	12"	Y10 @ 6" c/c BOTH WAYS	3



TYPICAL SECTION FOR FLAT FOOTING (SINGLE MAT SECTION)

A.N.MAGESH RAJA, M.E.,(Structural Engineer)
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GENERAL NOTES

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M20 GR) design mix confirming to I.S.456-2000.
3. Y Denotes for 50 steel confirming to I.S.1786-1985, grade - Fe550.
4. Safe bearing capacity of soil : 170kN/m².
5. Clear cover to the main steel (a).Column - 1½" , (b).Footing - 2".
6. Lap length 500 , at column lapping provide 5" spacing ties, no lapping at Beam column joint.
7. Not more than 40% of reinforcement shall be lapped at any particular junction.
8. Designed for G - 2 only.
9. Excavate upto hard strata.
10. All dimensions are in feet and inches.
11. Development length (Ld) for reinforcement bars in compression - 450 , in tension - 600

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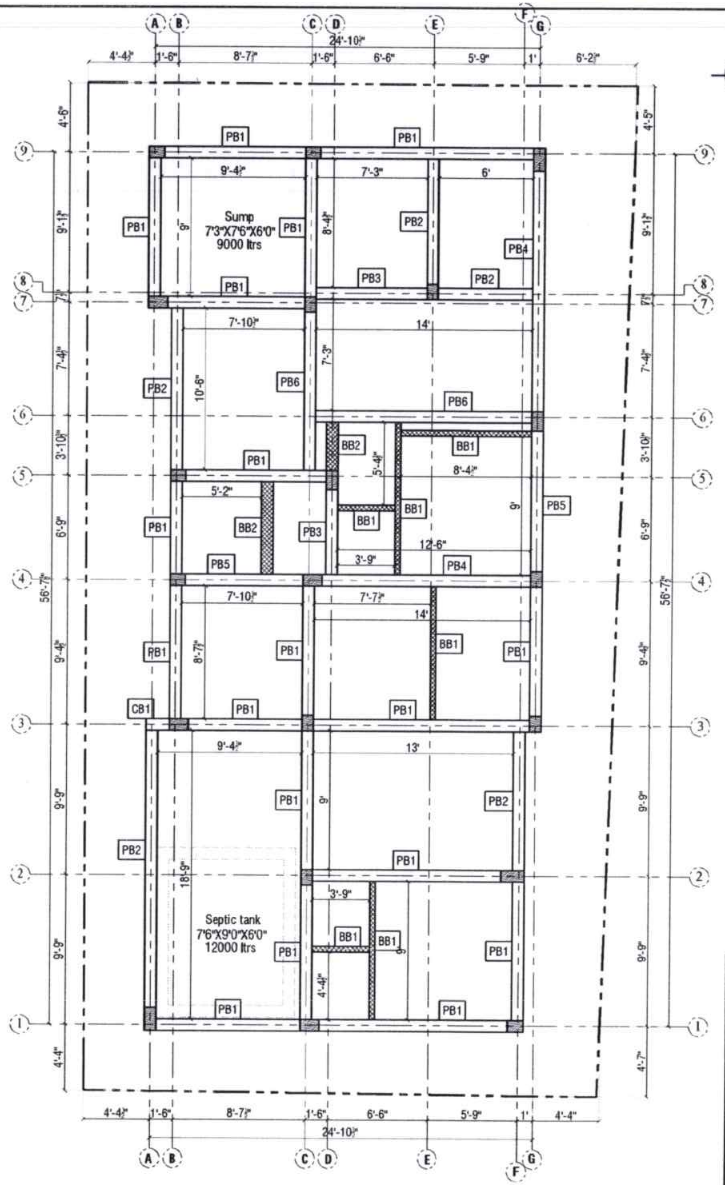
GANGA- PLOT 1& 2- RESIDENTIAL APARTMENT AT KUNDRATHUR

FOOTING LAYOUT AND REINFORCEMENT DETAILS

mp developers — Plot No 3, Tenzany Street, Somasundaram Nagar, Pallavaram, Chennai - 600 043

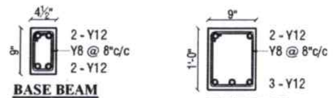
Drawn	BINDHU
Design & Checked	MAGESH

Size	A4	DWG No	DWG-GANGA-002



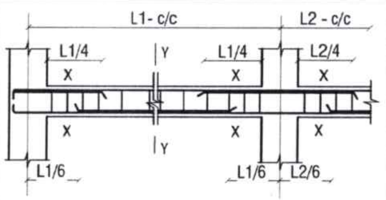
PLINTH BEAM DETAILS

S No	Beam No	Beam Size	C/S of Left End support	C/S of Mid span	C/S of Right End support
1	PB1	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
2	PB2	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
3	PB3	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
4	PB4	9" x 15"	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y16 (ext) ●	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12
5	PB5	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12
6	PB6	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y16 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
7	CB1	9" x 15"	3 - Y12 Y8 @ 4"c/c 2 - Y12		



BASE BEAM (BB1)
4½" X 9"

BASE BEAM (BB2)
9" X 12"



TYPICAL SECTION FOR BEAMS

GENERAL NOTES

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M20 GR) design mix conforming to I.S.456-2000.
3. Y Denotes for 50 steel conforming to I.S.1786 - 1985, grade - Fe550.
4. Safe bearing capacity of soil : 170kN/m².
5. Clear cover to the main steel (a).Column - 1½" , (b).Footing - 2".
6. Lap length 500, at column lapping provide 5" spacing ties, no lapping at Beam column joint.
7. Not more than 40% of reinforcement shall be lapped at any particular junction.
8. Designed for G + 2 only.
9. Excavate upto hard strata.
10. All dimensions are in feet and inches.
11. Development length (Ld) for reinforcement bars in compression - 450 , in tension - 600

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GANGA- PLOT 1& 2- RESIDENTIAL APARTMENT AT KUNDRATHUR

PLINTH BEAM LAYOUT AND REINFORCEMENT DETAILS

mp developers
Plot No.3, Tannery Street, Somasundaram Nagar, Pallavaram, Chennai - 600 043

Drawn	BINDHU
Design & Checked	MAGESH

Size A4 DWG No DWG-GANGA-003

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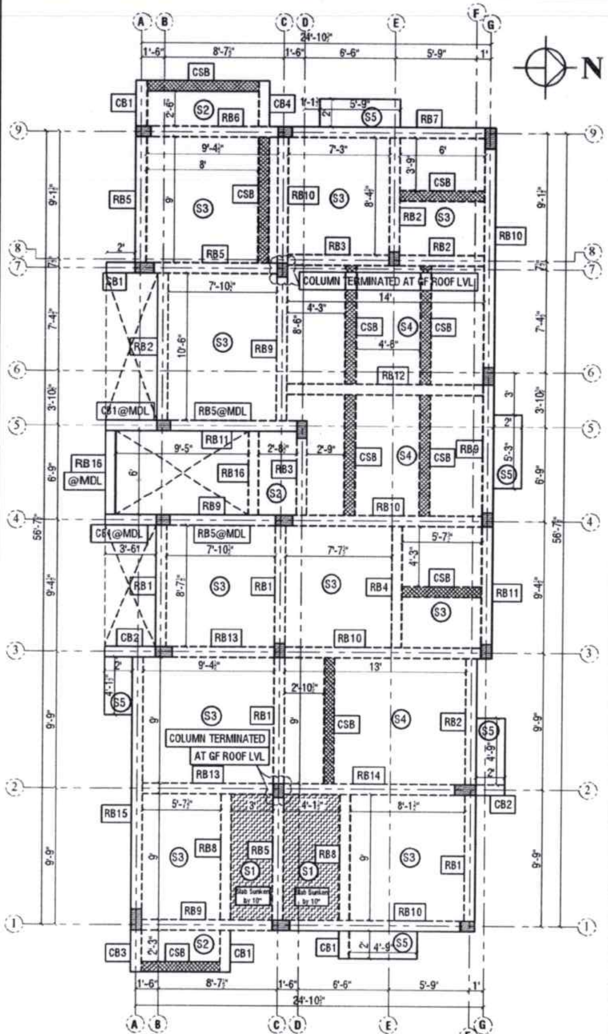


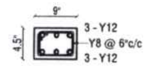
GROUND FLOOR ROOF BEAM LAYOUT

ROOF BEAM DETAILS

S No	Beam No	Beam Size	C/S of Left End support	C/S of Mid span	C/S of Right End support
1	RB1	9" x 12"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
2	RB2	9" x 12"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
3	RB3	9" x 12"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
4	RB4	9" x 12"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y16 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
5	RB5	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
6	RB6	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12
7	RB7	9" x 15"	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y16 (ext) ●	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12
8	RB8	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
9	RB9	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16
10	RB10	9" x 15"	2 - Y16 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 1 - Y16 (ext) ●	2 - Y16 Y8 @ 6"c/c 2 - Y16
11	RB11	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 Y8 @ 6"c/c 2 - Y16
12	RB12	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 2 - Y20 (ext) ●	2 - Y16 Y8 @ 6"c/c 2 - Y16
13	RB13	9" x 18"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16

ROOF BEAM DETAILS

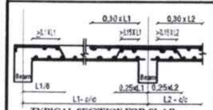
S No	Beam No	Beam Size	C/S of Left End support	C/S of Mid span	C/S of Right End support
14	RB14	9" x 18"	2 - Y16 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 Y8 @ 6"c/c 2 - Y16
15	RB15	9" x 18"	2 - Y16 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 1 - Y20 (ext) ●	2 - Y16 Y8 @ 6"c/c 2 - Y16
16	RB16	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
17	CB1	9" x 15"	3 - Y12 Y8 @ 6"c/c 2 - Y12		
18	CB2	9" x 18"	2 - Y16 Y8 @ 6"c/c 2 - Y16		
19	CB3	9" x 18"	4 - Y16 Y8 @ 6"c/c 2 - Y16		
20	CB4	9" x 15"	6 - Y12 Y8 @ 6"c/c 2 - Y12		



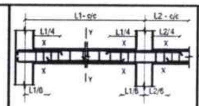
CONCEALED BEAM
(CSB)
(9 X 4½")

SLAB DETAIL

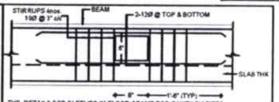
S1 - Y8 @ 6"c/c (4½" Thk. Slab) - Shorter Span - Y8 @ 8"c/c - Longer Span- Single matt
S2 - Y8 @ 8"c/c (4½" Thk. Slab) - TOP & BOTTOM MAT
S3 - Y8 @ 8"c/c (4½" Thk. Slab) - TWO WAY
S4 - Y8 @ 5"c/c (4½" Thk. Slab) - Shorter Span - Y8 @ 8"c/c - Longer Span- Two Way
S5 - Y8 @ 4"c/c (6" Thk. Slab) - MAIN REINFORCEMENT - Y8 @ 6"c/c - DIST.REINFORCEMENT- Cantilever Slab



TYPICAL SECTION FOR SLAB



TYPICAL SECTION FOR BEAMS



TYP. DETAILS FOR SLEEVES IN FLOOR BEAMS FOR SANITARY PIPES
(LOCATION SHALL BE AS PER SANITARY DWG.)

GENERAL NOTES

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M20 GR) design mix confirming to I.S.456-2000.
3. Y Denotes for 50 steel confirming to I.S.1786 - 1986, grade - Fe550.
4. Clear cover to the main steel, (a). Beam - 1" , (b).Slab-¾".
5. Lap length shall be 50d (max dia) for all bars.
6. Not more than 40% of reinforcement shall be lapped at any particular junction.
7. Spacer bar to be provided in between two layers of reinforcement of same dia at every 1000 c/c.
8. All dimensions are in feet and inches.
9. Development length (Ld) for reinforcement bars in compression - 45Ø , in tension - 60Ø

R0	GOOD FOR CONSTRUCTION	16.09.23	
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REVISIONS

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GANGA- PLOT 1& 2- RESIDENTIAL APARTMENT AT KUNDRATHUR

GROUND FLOOR ROOF BEAM LAYOUT AND REINFORCEMENT DETAILS

mp developers — Plot No.3, Tennery Street, Somasundaram Nagar, Pallavaram, Chennai - 600 043

Drawn	BINDHU
Design & Checked	MAGESH

Size	A4	DWG No	DWG-GANGA-004

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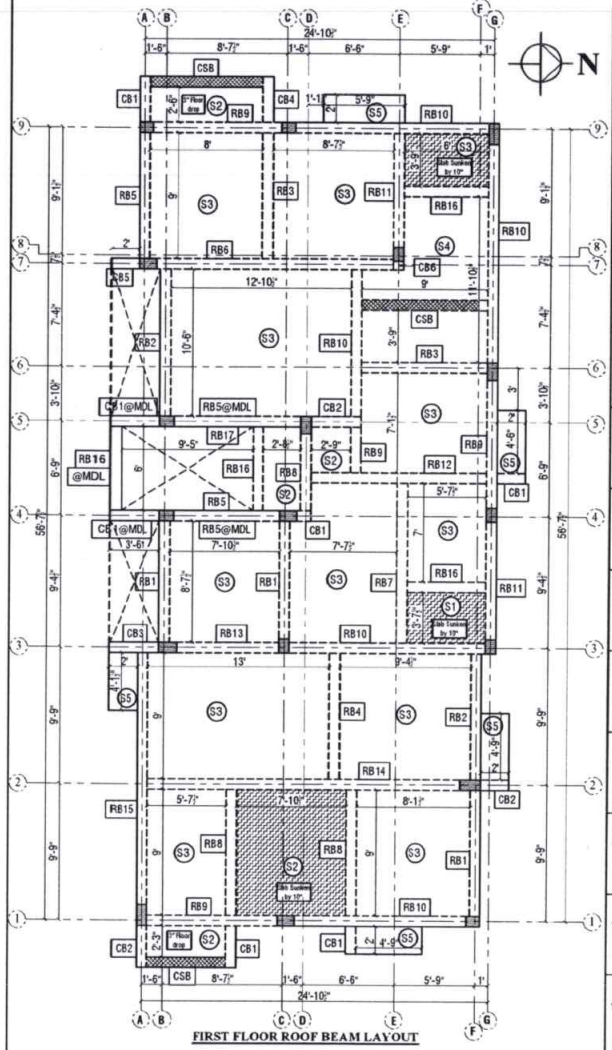

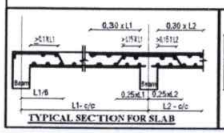

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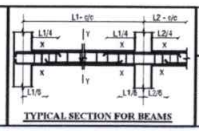
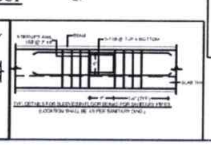


TYPICAL SECTION FOR BEAMS

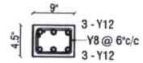


ROOF BEAM DETAILS

S No	Beam No	Beam Size	C/S of Left End support	C/S of Mid span	C/S of Right End support
1	RB1	9" x 12"	2 - Y12 + 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext)●	2 - Y12 + 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12
2	RB2	9" x 12"	2 - Y12 + 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext)●	2 - Y12 Y8 @ 6"c/c 2 - Y12
3	RB3	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext)●	2 - Y12 + 1 - Y20 (ext)● Y8 @ 6"c/c 2 - Y12
4	RB4	9" x 12"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y16 (ext)●	2 - Y12 Y8 @ 6"c/c 2 - Y12
5	RB5	9" x 15"	2 - Y12 + 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext)●	2 - Y12 + 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12
6	RB6	9" x 15"	2 - Y16 + 2 - Y20 (ext)● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 2 - Y20 (ext)●	2 - Y16 Y8 @ 6"c/c 2 - Y16
7	RB7	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 3 - Y12 (ext)●	2 - Y12 Y8 @ 6"c/c 2 - Y12
8	RB8	9" x 15"	2 - Y12 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext)●	2 - Y12 Y8 @ 6"c/c 2 - Y12
9	RB9	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 + 2 - Y16 (ext)● Y8 @ 6"c/c 2 - Y16
10	RB10	9" x 15"	2 - Y16 + 2 - Y16 (ext)● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 1 - Y16 (ext)●	2 - Y16 Y8 @ 6"c/c 2 - Y16
11	RB11	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 Y8 @ 6"c/c 2 - Y16
12	RB12	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 2 - Y16 (ext)●	2 - Y12 + 1 - Y12 (ext)● Y8 @ 6"c/c 2 - Y12
13	RB13	9" x 24"	2 - Y16 + 2 - Y16 (ext)● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 + 2 - Y16 (ext)● Y8 @ 6"c/c 2 - Y16

ROOF BEAM DETAILS

S No	Beam No	Beam Size	C/S of Left End support	C/S of Mid span	C/S of Right End support
14	RB14	9" x 24"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 3 - Y20 (ext)●	2 - Y16 + 2 - Y20 (ext)● Y8 @ 6"c/c 2 - Y16
15	RB15	9" x 24"	2 - Y16 + 2 - Y20 (ext)● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 3 - Y20 (ext)●	2 - Y16 Y8 @ 6"c/c 2 - Y16
16	RB16	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext)●	2 - Y12 Y8 @ 6"c/c 2 - Y12
17	RB17	9" x 24"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 + 2 - Y20 (ext)● Y8 @ 6"c/c 2 - Y16
18	CB1	9" x 15"	3 - Y12 Y8 @ 6"c/c 2 - Y12		
19	CB2	9" x 24"	2 - Y16 + 2 - Y20 ● Y8 @ 6"c/c 2 - Y16		
20	CB3	9" x 24"	4 - Y16 Y8 @ 6"c/c 2 - Y16		
21	CB4	9" x 15"	2 - Y12 + 1 - Y20 ● Y8 @ 6"c/c 2 - Y12		
22	CB5	9" x 15"	2 - Y16 + 2 - Y20 ● Y8 @ 6"c/c 2 - Y16		
23	CB6	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16		



CONCEALED BEAM (CSB) (9 X 4½")

SLAB DETAIL

S1 - Y8 @ 6"c/c (4½" Thk. Slab) - Shorter Span - Y8 @ 8"c/c - Longer Span- Single matt
S2 - Y8 @ 8"c/c (4½" Thk. Slab) - TOP & BOTTOM MAT
S3 - Y8 @ 8"c/c (4½" Thk. Slab) - TWO WAY
S4 - Y8 @ 5"c/c (4½" Thk. Slab) - Shorter Span - Y8 @ 8"c/c - Longer Span- Two Way
S5 - Y8 @ 4"c/c (6" Thk. Slab) - MAIN REINFORCEMENT - Y8 @ 6"c/c - DIST.REINFORCEMENT- Cantilever Slab

Ref.	Description	Date	Sign
R0	GOOD FOR CONSTRUCTION	16.09.23	

REVISIONS

☐ Advance copy ☒ Good for construction

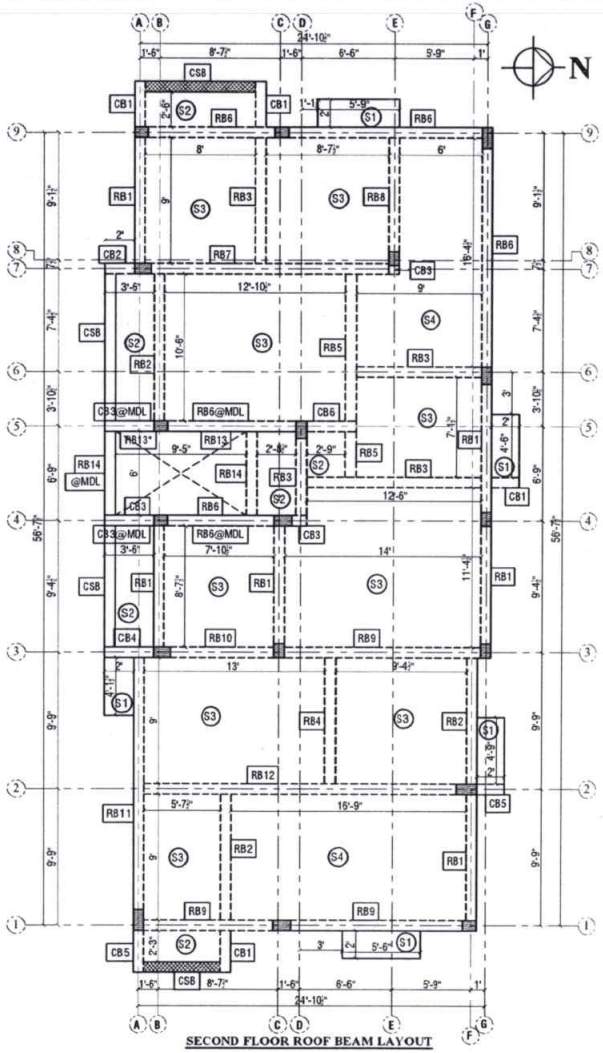
GANGA- PLOT 1& 2- RESIDENTIAL APARTMENT AT KUNDRATHUR

FIRST FLOOR ROOF BEAM LAYOUT AND REINFORCEMENT DETAILS

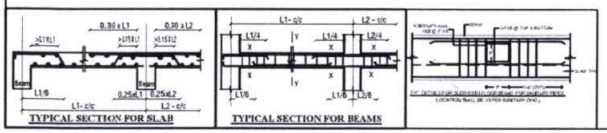
mp developers — Plot No.3, Tannery Street, Somasundaram Nagar, Pallavaram, Chennai - 600 043

Drawn	BINDHU
Design & Checked	MAGESH
Size	A4
DWG No	DWG-GANGA-005

A.N.MAGESH RAJA, M.E., (Structural Engineer)
CMDA/GCC REGISTERED STRUCTURAL ENGINEER GRADE-I(RSE)
CMDA REG.No:SE/GR-I/2022/06/325
GCC REG.No:RSE101432021
CELL:97870 72100
magistructure@gmail.com



SECOND FLOOR ROOF BEAM LAYOUT

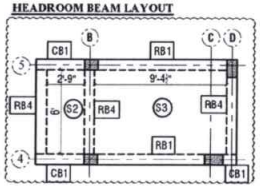


ROOF BEAM DETAILS

S No	Beam No	Beam Size	C/S of Left End support	C/S of Mid span	C/S of Right End support
1	RB1	9" x 12"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
2	RB2	9" x 12"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
3	RB3	9" x 12"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
4	RB4	9" x 12"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y16 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
5	RB5	9" x 12"	3 - Y12 Y8 @ 6"c/c 3 - Y12	3 - Y12 Y8 @ 8"c/c 3 - Y12	3 - Y12 Y8 @ 6"c/c 3 - Y12
6	RB6	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12
7	RB7	9" x 15"	3 - Y12 + 2 - Y12 (ext) ● Y8 @ 6"c/c 3 - Y12	3 - Y12 Y8 @ 8"c/c 3 - Y12 + 2 - Y16 (ext) ●	3 - Y12 Y8 @ 6"c/c 3 - Y12
8	RB8	9" x 15"	2 - Y12 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12
9	RB9	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 Y8 @ 6"c/c 2 - Y16
10	RB10	9" x 18"	2 - Y16 + 1 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 Y8 @ 6"c/c 2 - Y16
11	RB11	9" x 18"	2 - Y16 + 2 - Y20 (ext) ● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 2 - Y20 (ext) ●	2 - Y16 Y8 @ 6"c/c 2 - Y16
12	RB12	9" x 18"	2 - Y16 Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 8"c/c 2 - Y16 + 2 - Y20 (ext) ●	2 - Y16 + 2 - Y20 (ext) ● Y8 @ 6"c/c 2 - Y16
13	RB13	9" x 15"	2 - Y16 Y8 @ 6"c/c 2 - Y16 RB13"	2 - Y16 Y8 @ 8"c/c 2 - Y16	2 - Y16 + 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y16
14	RB14	9" x 15"	2 - Y12 Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 8"c/c 2 - Y12 + 1 - Y12 (ext) ●	2 - Y12 Y8 @ 6"c/c 2 - Y12

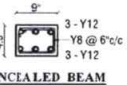
15	CB1	9" x 12"	3 - Y12 Y8 @ 6"c/c 2 - Y12
16	CB2	9" x 15"	5 - Y12 Y8 @ 6"c/c 3 - Y12
17	CB3	9" x 15"	3 - Y12 Y8 @ 6"c/c 2 - Y12
18	CB4	9" x 18"	3 - Y16 Y8 @ 6"c/c 2 - Y16
22	CB5	9" x 18"	2 - Y16 + 2 - Y20 ● Y8 @ 6"c/c 2 - Y16
23	CB6	9" x 15"	4 - Y16 Y8 @ 4"c/c 2 - Y16

HEADROOM BEAM LAYOUT



SLAB DETAIL

S1 - Y8 @ 6"c/c (4½" Thk. Slab) - MAIN REINFORCEMENT - Y8 @ 6"c/c - DIST.REINFORCEMENT- Cantilever Slab
S2 - Y8 @ 8"c/c (4½" Thk. Slab) - TOP & BOTTOM MAT
S3 - Y8 @ 8"c/c (4½" Thk. Slab) - TWO WAY
S4 - Y8 @ 5"c/c (4½" Thk. Slab) - Shorter Span - Y8 @ 8"c/c - Longer Span- Two Way



CONCEALED BEAM (CSB) (9" X 4½")

Ref.	Description	Date	Sign
R0	GOOD FOR CONSTRUCTION	16.09.23	

REVISIONS

☐ Advance copy ☒ Good for construction

GANGA- PLOT 1& 2- RESIDENTIAL APARTMENT AT KUNDRATHUR

SECOND FLOOR ROOF BEAM LAYOUT AND REINFORCEMENT DETAILS

mp developers — Plot No.3, Tennery Street, Somasundaram Nagar, Pallavaram, Chennai - 600 043

Drawn	BINDHU
Design & Checked	MAGESH
Size	A4
DWG No	DWG-GANGA-006

A.N.MAGESH RAJA, M.E.,(Structural Engineer)
CMDA/GCC REGISTERED STRUCTURAL ENGINEER GRADE-I(RSE)
CMDA REG.No:SE/GR-I/2022/06/325
GCC REG.No:RSE101432021
CELL:97870 72100

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