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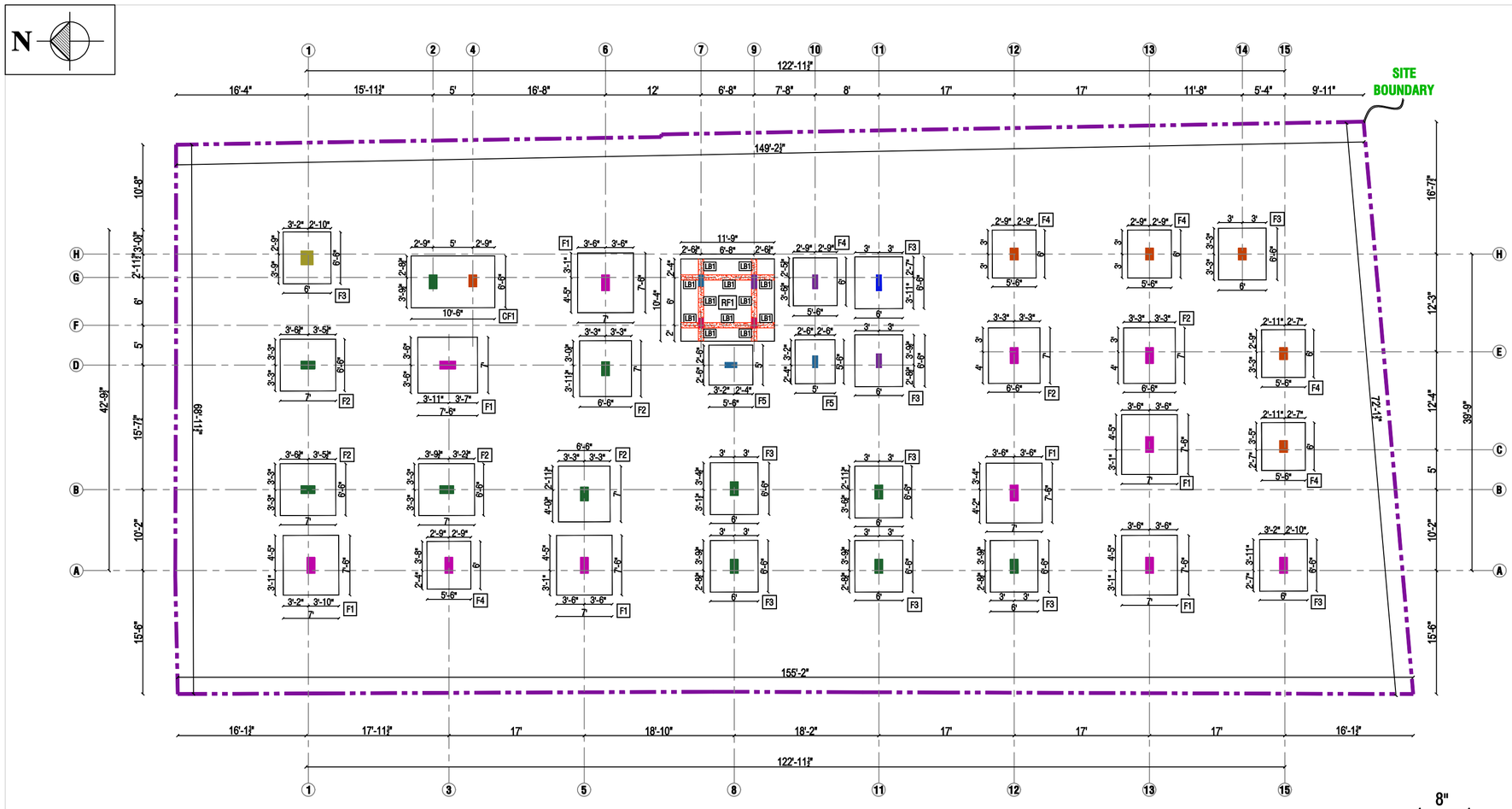
3/350/2 Mettukuppam,
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Official Property Record



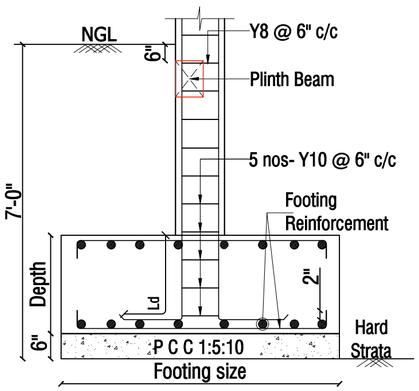
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FOOTING LAYOUT

GENERAL NOTES:

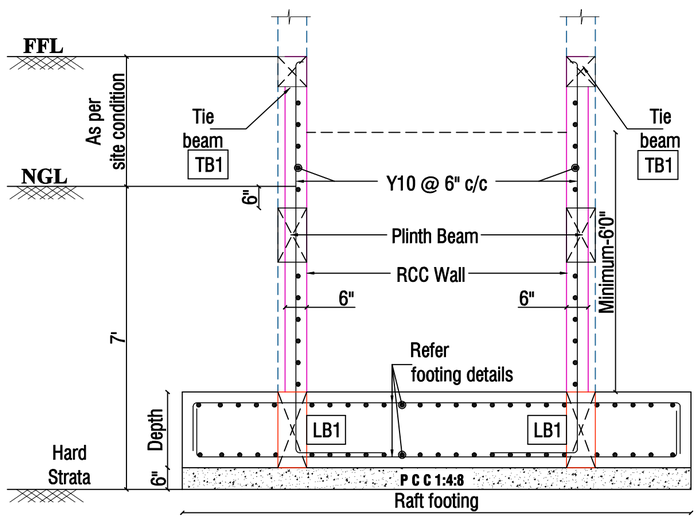
1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M25 GR),for design mix confirming to I.S.456-2000.
3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
4. Safe bearing capacity of soil : 361.5 kN/m² @7'0" Depth.
5. Clear cover to the main steel (a).Column - 1½", (b).Footing -3"
6. Lap length (or) Development length (Ld) shall be 49d (max dia) for all bars.
7. Not more than 40% of reinforcement shall be lapped at any particular junction.
8. Designed for Stilt+4 only.
9. Excavate upto hard strata.
10. All dimensions are in feet and inches.



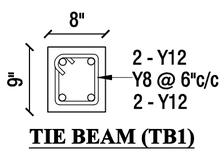
TYPICAL SECTION FOR COMBINED FOOTING

RCC FOOTING DETAILS:

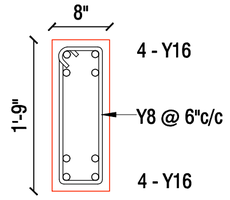
S No	Footing No	Footing Size	Footing Depth		Footing Reinforcement	No of Footings
			d	D		
1	F1	7'6" x7'0"	---	27"	Y12 @ 6"c/c (Bothways)	07
2	F2	7'0" x 6'6"	---	27"	Y12 @ 6"c/c (Bothways)	07
3	F3	6'6" x 6'0"	---	21"	Y12 @ 6"c/c (Bothways)	10
4	F4	6'0" x 5'6"	---	21"	Y12 @ 6"c/c (Bothways)	06
5	F5	5'6" x 5'0"	---	21"	Y10 @ 5"c/c (Bothways)	02
6	CF1	10'6" x 6'6"	---	24"	Y12 @ 6"c/c (Top & Bottom Bothways)	01
7	RF1	Refer layout	---	21"	Y10 @ 5"c/c (Top & Bottom Bothways)	01



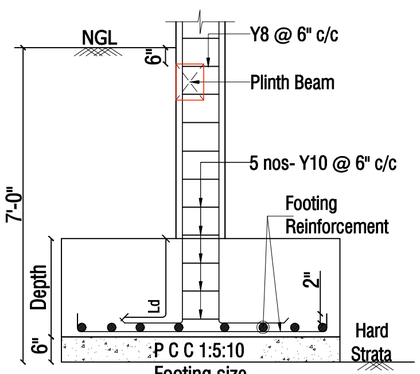
RAFT FOOTING (RF1) CROSS SECTION



TIE BEAM (TB1)



BEAM (LB1)



TYPICAL SECTION FOR FLAT FOOTING

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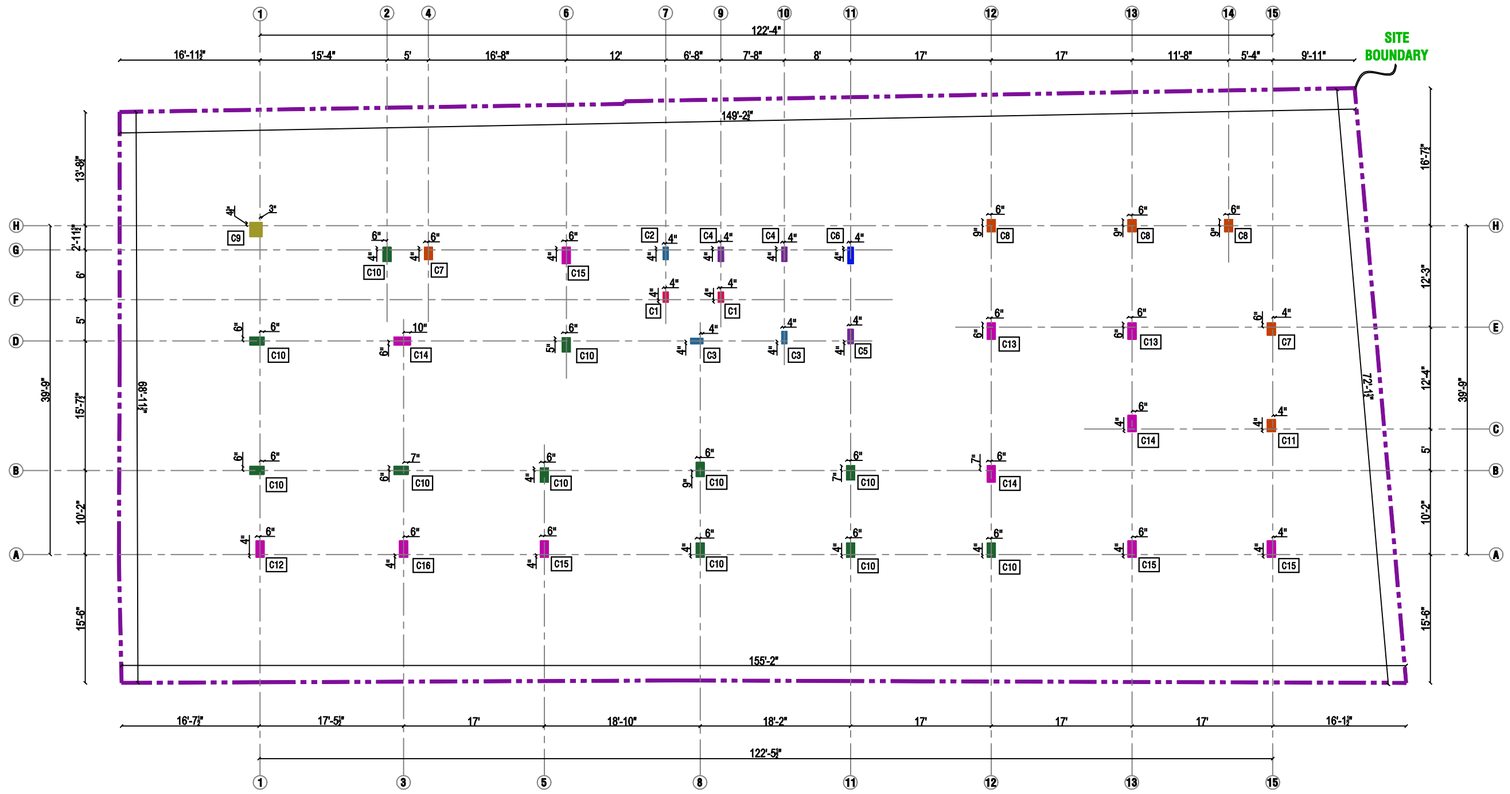
PROPOSED APARTMENT BUILDING COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

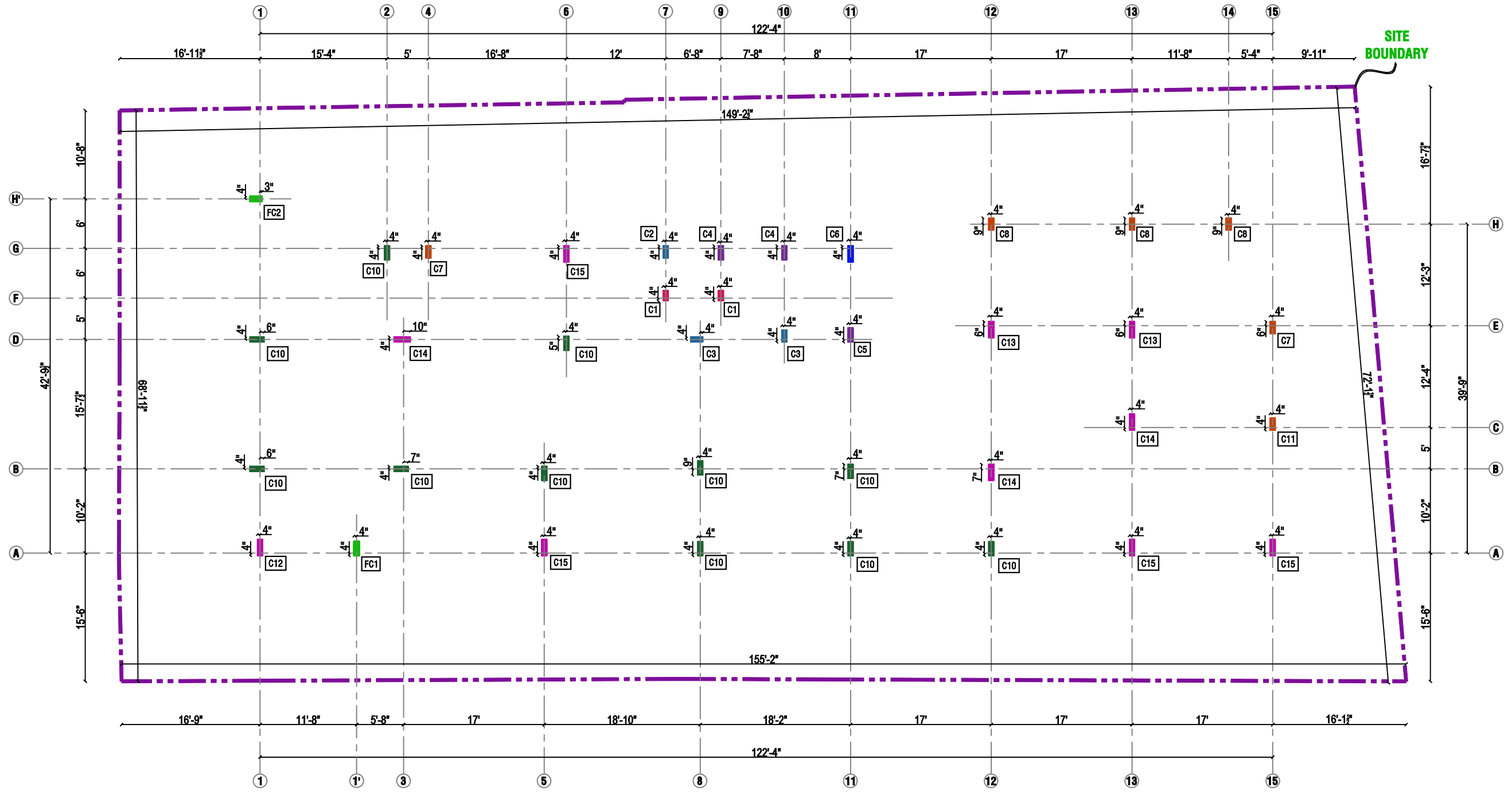
FOOTING LAYOUT AND DETAILS

SG STRUCTURAL ENGINEERS
ENGINEERS/ARCHITECTS
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PH: 0422-2450245, 2453323. Email:profgsv1968@gmail.com
www.sgstructurals.com

Drawn	Sriram S		
Design	Sriram S		
Checked	VS		
Size	A2	Date	08.03.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/01-R0



COLUMN LAYOUT (UPTO STILT FLOOR ROOF)



COLUMN LAYOUT (ABOVE STILT FLOOR ROOF)

GENERAL NOTES:

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M25 GR),for design mix confirming to I.S.456-2000.
3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
4. Safe bearing capacity of soil : 361.5 kN/m² @7'0" Depth.
5. Clear cover to the main steel
   (a).Column - 1½".
6. Lap length (or) Development length (Ld) shall be 49d (max dia) for all bars.
7. Not more than 40% of reinforcement shall be lapped at any particular junction.
8. Designed for Stilt+4 only.
9. Excavate upto hard strata.
10. All dimensions are in feet and inches.

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Rev	Description	Date	Sign

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PROPOSED APARTMENT BUILDING COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

COLUMN LAYOUT

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www.sgstructurals.com

Drawn	Sriram S		
Design	Sriram S		
Checked	VS		
Size	A2	Date	08.03.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/01A-R0

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
1	C1	8" x 15"	4 - Y16 + 4 - Y12 ● Y8 @ 6"c/c	02
2	C2	8" x 18"	8 - Y16 Y8 @ 6"c/c	01
3	C3	8" x 18"	10 - Y16 Y8 @ 6"c/c	02
4	C4	8" x 21"	4 - Y20 + 6 - Y16 ● Y8 @ 6"c/c	02
5	C5	8" x 21"	12 - Y20 2 - Y12 ● Y8 @ 6"c/c	01
6	C6	8" x 24"	12 - Y20 + 2 - Y12 ● Y8 @ 6"c/c	01

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
7	C7	12" x 18" Upto stilt floor roof	4 - Y20 + 4 - Y16+ ● 2 - Y12 ● Y8 @ 6"c/c	02
		8" x 18" Above stilt floor roof	4 - Y20 + 4 - Y16 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
8	C8	12" x 18" Upto stilt floor roof	8 - Y20 + 4 - Y12 ● Y8 @ 6"c/c	03
		8" x 18" Above stilt floor roof	8 - Y20 + 2 - Y12 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
9	C9	18" x 21" Upto stilt floor roof only	8 - Y25+ 8 - Y16 ● Y8 @ 6"c/c	01

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
10	C10	12" x 21" Upto stilt floor roof	12 - Y20+ 4 - Y12 ● Y8 @ 6"c/c	11
		8" x 21" Above stilt floor roof	12 - Y20+ 2 - Y12 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
11	C11	12" x 18" Upto stilt floor roof	8 - Y20+ 4 - Y16 ● Y8 @ 6"c/c	01
		9" x 18" Above stilt floor roof	8 - Y20 + 2 - Y16 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
12	C12	12" x 24" Upto stilt floor roof	10 - Y25+ 6 - Y20 ● Y8 @ 6"c/c	01
		8" x 24" Above stilt floor roof	4 - Y25+ 4 - Y20+ ● 6 - Y12 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
13	C13	12" x 24" Upto stilt floor roof	8 - Y20+ 8 - Y12 ● Y8 @ 6"c/c	02
		8" x 24" Above stilt floor roof	8 - Y20+ 6 - Y12 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
14	C14	12" x 24" Upto stilt floor roof	8 - Y25+ 8 - Y12 ● Y8 @ 6"c/c	03
		8" x 24" Above stilt floor roof	8 - Y25+ 6 - Y12 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

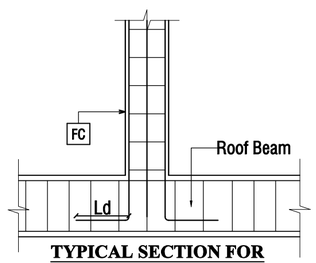
S No	Column No	Column Size	Column Reinforcement	No of Column
15	C15	12" x 24" Upto stilt floor roof	8 - Y25+ 6 - Y20 ● 2 - Y12 ● Y8 @ 6"c/c	04
		8" x 24" Above stilt floor roof	8 - Y25+ 4 - Y20 ● 2 - Y12 ● Y8 @ 6"c/c	

RCC COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
16	C16	12" x 24" Upto stilt floor roof only	10 - Y25+ 4 - Y16+ ● 2 - Y12 ● Y8 @ 6"c/c	01

FLOATING COLUMN DETAIL:

S No	Column No	Column Size	Column Reinforcement	No of Column
1	FC1	8" x 21"	4 - Y25 + 4 - Y20+ ● 2 - Y12 ● Y8 @ 6"c/c	01
2	FC2	8" x 18"	8 - Y20 + 2 - Y12 ● Y8 @ 6"c/c	01



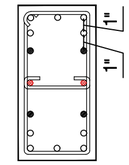
TYPICAL SECTION FOR FLOATING COLUMN

GENERAL NOTES:

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M25 GR),for design mix confirming to I.S.456-2000.
3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
4. Safe bearing capacity of soil : 361.5 kN/m² @7'0" Depth.
5. Clear cover to the main steel (a).Column - 1½".
6. Lap length (or) Development length (Ld) shall be 49d (max dia) for all bars.
7. Not more than 40% of reinforcement shall be lapped at any particular junction.
8. Designed for Stilt+4 only.
9. Excavate upto hard strata.
10. All dimensions are in feet and inches.

NOTE:

Maximum Column Reinforcement clear spacing should be followed 1"(25mm) along longer dimension of Column.



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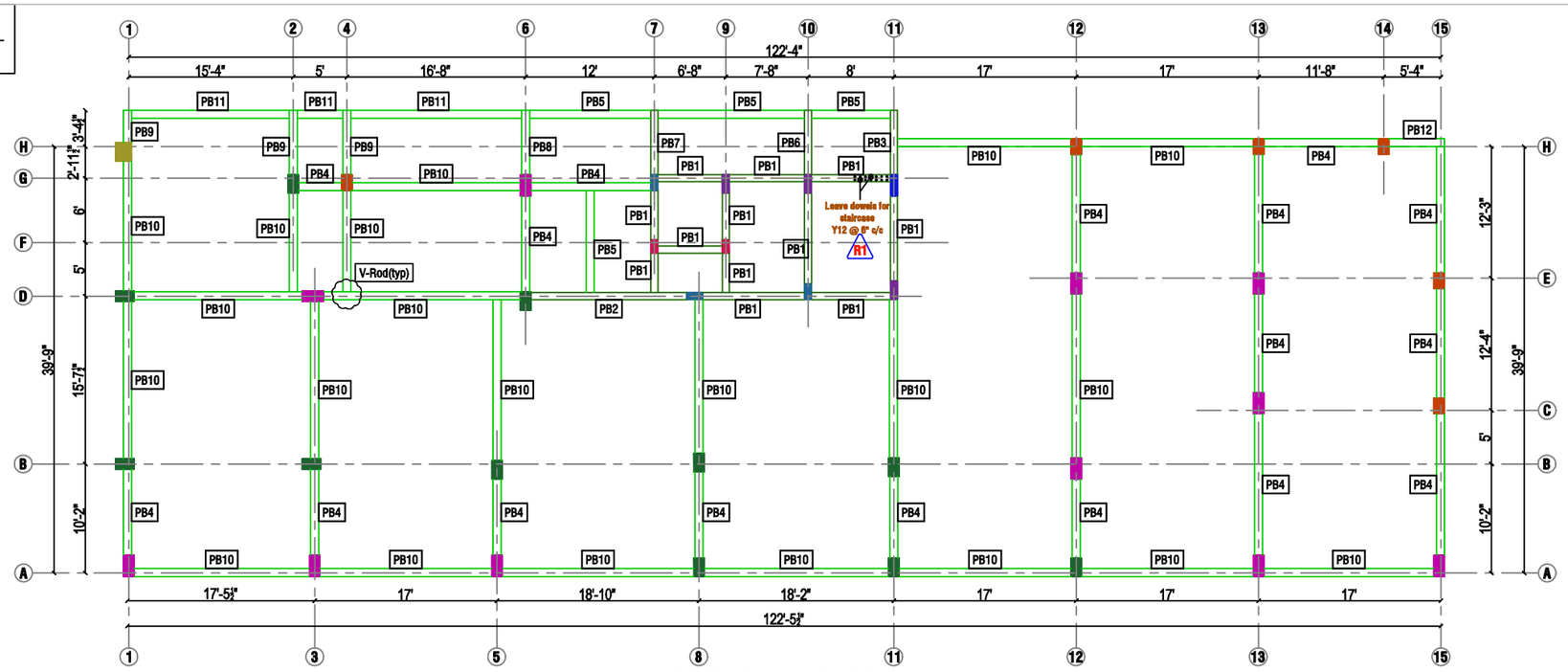
PROPOSED APARTMENT BUILDING COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

COLUMN DETAILS

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Drawn	Sriram S		
Design	Sriram S		
Checked	VS		
Size	A2	Date	08.03.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/01B-R0



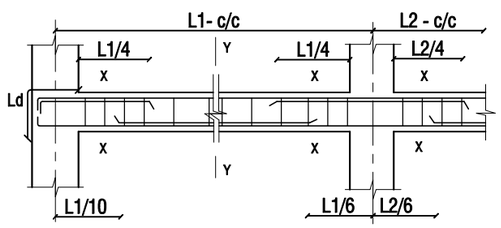
PLINTH BEAM LAYOUT

PLINTH BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
1	PB1	8" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12 + 1 - Y12 (ext) ●
2	PB2	8" x 18"	2 - Y12 + 2 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12 + 1 - Y12 (ext) ●
3	PB3	8" x 18"	2 - Y12 + 2 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	
4	PB4	9" x 15"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12 + 1 - Y12 (ext) ●
5	PB5	9" x 15"	2 - Y12 Y8 @ 6"c/c 3 - Y12	2 - Y12 Y8 @ 7"c/c 3 - Y12
6	PB6	8" x 15"	2 - Y12 + 3 - Y16 (ext) ● Y8 @ 6"c/c 3 - Y12	

PLINTH BEAM DETAILS:

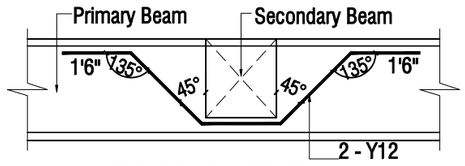
S No	Beam No	Beam Size	X^n @ XX End span
7	PB7	8" x 15"	2 - Y12 + 2 - Y16 (ext) ● Y8 @ 6"c/c 3 - Y12
8	PB8	9" x 18"	3 - Y12 + 3 - Y16 (ext) ● Y8 @ 6"c/c 3 - Y12
9	PB9	9" x 18"	2 - Y12 + 2 - Y12 (ext) ● Y8 @ 6"c/c 3 - Y12



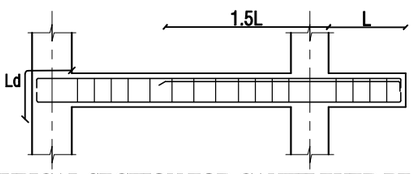
TYPICAL SECTION FOR BEAMS

PLINTH BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
10	PB10	9" x 18"	2 - Y12 + 1 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12 + 1 - Y12 (ext) ●
11	PB11	9" x 18"	3 - Y12 Y8 @ 6"c/c 3 - Y12	3 - Y12 Y8 @ 7"c/c 3 - Y12
12	PB12	9" x 15"	3 - Y12 Y8 @ 6"c/c 3 - Y12	



V TYPE-ROD DETAILS V - Rods



TYPICAL SECTION FOR CANTILEVER BEAMS

GENERAL NOTES:

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M25 GR),for design mix confirming to I.S.456-2000.
3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
4. Clear cover to the main steel
   (a).Beam - 1".
5. Lap length (or) Development length (Ld) shall be 49d (max dia) for all bars.
6. Not more than 40% of reinforcement shall be lapped at any particular junction.
7. All dimensions are in feet and inches.

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Rev	Description	Date	Sign
R1	Staircase dowels detail added.	30.04.2024	Sriram S

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PROPOSED APARTMENT BUILDING COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

PLINTH BEAM LAYOUT AND DETAILS

SG STRUCTURAL ENGINEERS
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Drawn	Sriram S		
Design	Sriram S		
Checked	VS		
Size	A3	Date	27.04.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/02-R1

ROOF BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
1	B1	8" x 15"	2 - Y12+ 2 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 2 - Y12 (ext)●
2	B2	8" x 21"	2 - Y12+ 4 - Y20 (ext) ● Y8 @ 6"c/c 3 - Y12	2 - Y12 Y8 @ 7"c/c 3 - Y12
3	B3	8" x 21	2 - Y12+ 4 - Y20● Y10 @ 6"c/c 3 - Y12	
4	B4	9" x 15"	2 - Y12+ 2 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 1 - Y12 (ext)●
5	B5	9" x 15"	3 - Y12 Y8 @ 6"c/c 3 - Y12	3 - Y12 Y8 @ 7"c/c 3 - Y12+ 2 - Y12 (ext)●
6	B6	9" x 15"	3 - Y12 Y8 @ 6"c/c 3 - Y12	2 - Y12 Y8 @ 7"c/c 3 - Y12+ 3 - Y16 (ext)●
7	B7	8" x 21"	2 - Y12+ 2 - Y12 (ext) ● Y8 @ 6"c/c 2 - Y12	3 - Y12 Y8 @ 7"c/c 2 - Y12+ 2 - Y12 (ext)●
8	B8	8" x 18"	3 - Y12+ 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12	3 - Y12 Y8 @ 7"c/c 2 - Y12+ 2 - Y12 (ext)●
9	B9	9" x 18"	2 - Y12+ 2 - Y16 (ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 3 - Y12 (ext)●
10	B10	9" x 18"	2 - Y12+ 2 - Y12(ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 2 - Y12 (ext)●
11	B11	9" x 18"	2 - Y12+ 4 - Y20(ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 3 - Y12 (ext)●
12	B12	9" x 21"	2 - Y12+ 4 - Y20● Y10 @ 6"c/c 3 - Y12	

ROOF BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
13	B13	9" x 18"	2 - Y12+ 3 - Y20(ext) ● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 3 - Y12 (ext)●
14	B14	9" x 18"	2 - Y12+ 3 - Y16● Y10 @ 6"c/c 3 - Y12	
15	B15	9" x 18"	3 - Y12 Y8 @ 6"c/c 2 - Y16	3 - Y12 Y8 @ 7"c/c 2 - Y16+ 3 - Y20 (ext)●
16	B16	9" x 18"	3 - Y12 Y8 @ 6"c/c 3 - Y12	3 - Y12 Y8 @ 7"c/c 3 - Y12+ 2 - Y12 (ext)●
17	B17	9" x 18"	3 - Y12 Y8 @ 6"c/c 2 - Y16	3 - Y12 Y8 @ 7"c/c 2 - Y16+ 3 - Y16 (ext)●
18	B18	9" x 18"	2 - Y12 + 2 - Y20(ext) ● Y8 @ 6"c/c 3 - Y12	2 - Y12 Y8 @ 7"c/c 3 - Y12+ 2 - Y12 (ext)●
19	B19	9" x 18"	2 - Y12 + 2 - Y20(ext) ● Y10 @ 6"c/c 3 - Y12	
20	B20	12" x 30"	2 - Y12 + 4 - Y20 ● Y10 @ 6"c/c 4 - Y16(sides) 3 - Y12+ 2 - Y20 ●	
21	B21	9" x 24"	2 - Y12 + 4 - Y20● Y10 @ 6"c/c 3 - Y12	
22	B22	12" x 18"	3 - Y12+ 2 - Y20(ext)● Y8 @ 6"c/c 2 - Y12	3 - Y12 Y8 @ 7"c/c 2 - Y12+ 2 - Y12 (ext)●
23	B23	9" x 21"	2 - Y16+ 2 - Y25(ext) +● 2 - Y20(ext)● Y8 @ 6"c/c 2 - Y16	2 - Y16 Y8 @ 7"c/c 2 - Y16

ROOF BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
24	B24	9" x 21"	2 - Y16+ 2 - Y25 +● 2 - Y20● Y10 @ 6"c/c 2 - Y16+ 2 - Y16●	
25	B25	9" x 21"	2 - Y12 3 - Y20(ext)● Y8 @ 6"c/c 2 - Y12	2 - Y12 Y8 @ 7"c/c 2 - Y12+ 2 - Y12 (ext)●
26	B26	9" x 21"	3 - Y12 Y8 @ 6"c/c 2 - Y16	3 - Y12 Y8 @ 7"c/c 2 - Y16+ 3 - Y16 (ext)●
27	B27	12" x 21"	3 - Y12+ 2 - Y20(ext)● Y8 @ 6"c/c 3 - Y12	3 - Y12 Y8 @ 7"c/c 3 - Y12
28	B28	12" x 24"	3 - Y12+ 3 - Y20+ ● 2 - Y16 ● Y10 @ 6"c/c 3 - Y12	
29	B29	18" x 18"	5- Y12 Y8 @ 6"c/c (4legged) 5 - Y12	5- Y12 Y8 @ 7"c/c (4legged) 5 - Y12
30	B30	18" x 18"	5- Y12+ 5 - Y25(ext)● Y10 @ 6"c/c (4legged) 5 - Y12	5- Y12 Y10 @ 8"c/c (4legged) 5 - Y12+ 2 - Y16(ext)●
31	B31	18" x 36"	5 - Y12+ 5 - Y25● Y10 @ 5"c/c (4legged) 6 - Y16(sides) 5 - Y20	
32	B32	15" x 21"	4- Y16+ 4 - Y20(ext)● Y10 @ 6"c/c (4legged) 4 - Y12	4- Y16 Y10 @ 8"c/c (4legged) 4 - Y12

GENERAL NOTES:

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Rev	Description	Date	Sign

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PROPOSED APARTMENT BUILDING AT COIMBATORE.

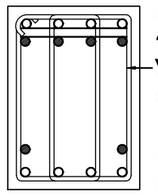
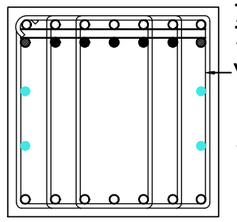
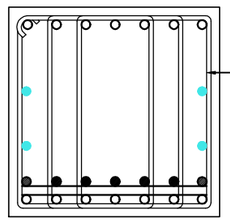
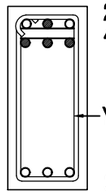
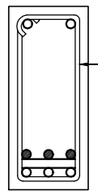
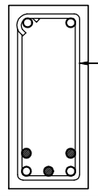
ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

STILT FLOOR ROOF BEAM DETAILS

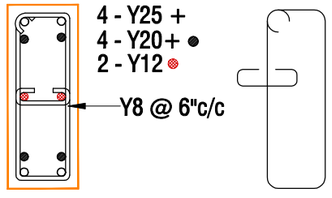
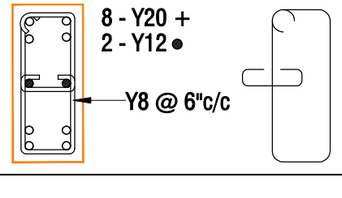
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53, M.A. Palaniswamy Street, K.K. Pudur, Coimbatore-38
PH: 0422-2450245, 2453323. Email:profgev1968@gmail.com
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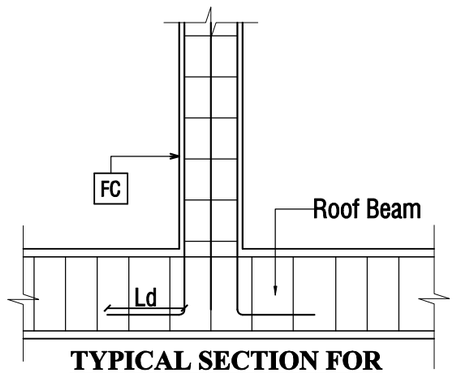
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ROOF BEAM DETAILS:

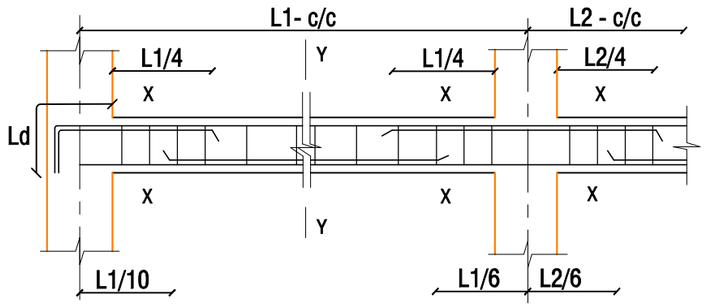
S No	Beam No	Beam Size	X^n @ XX End span	X @ YY Mid $span^n$
33	B33	15" x 21"	 4- Y16+ 4 - Y20 ● Y10 @ 6"c/c (4legged) 4 - Y12+ 2 - Y12●	
34	B34	24" x 24"	 7 - Y12+ 7 - Y16(ext)● Y10 @ 5"c/c (6legged) 4 - Y16(sides) 7 - Y25	 7- Y12 Y10 @ 7"c/c (6legged) 4 - Y16(sides) 7 - Y25+ 7 - Y25(ext)●
35	B35	9" x 18"	 2 - Y12+ 4 - Y20(ext)● Y8 @ 6"c/c 3 - Y12	 2 - Y12 Y8 @ 7"c/c 3 - Y12+ 3 - Y16(ext)●
36	B36	8" x 18"	 2 - Y12+ 3 - Y20(ext)● Y8 @ 6"c/c 2 - Y12	 2 - Y12 Y8 @ 7"c/c 2 - Y12+ 3 - Y16(ext)●

FLOATING COLUMN DETAIL:

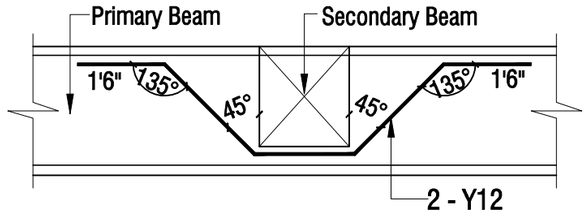
S No	Column No	Column Size	Column Reinforcement	No of Column
1	FC1	8" x 21"	 4 - Y25 + 4 - Y20+ ● 2 - Y12 ● Y8 @ 6"c/c	01
2	FC2	8" x 18"	 8 - Y20 + 2 - Y12 ● Y8 @ 6"c/c	01



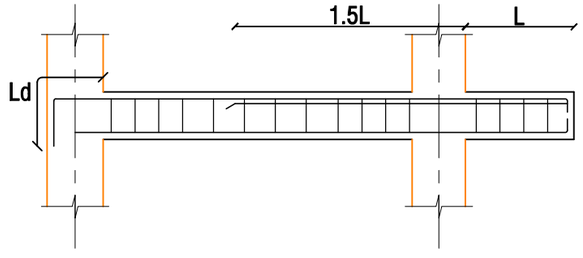
TYPICAL SECTION FOR FLOATING COLUMN



TYPICAL SECTION FOR BEAMS



V TYPE-ROD DETAILS



TYPICAL SECTION FOR CANTILEVER BEAMS

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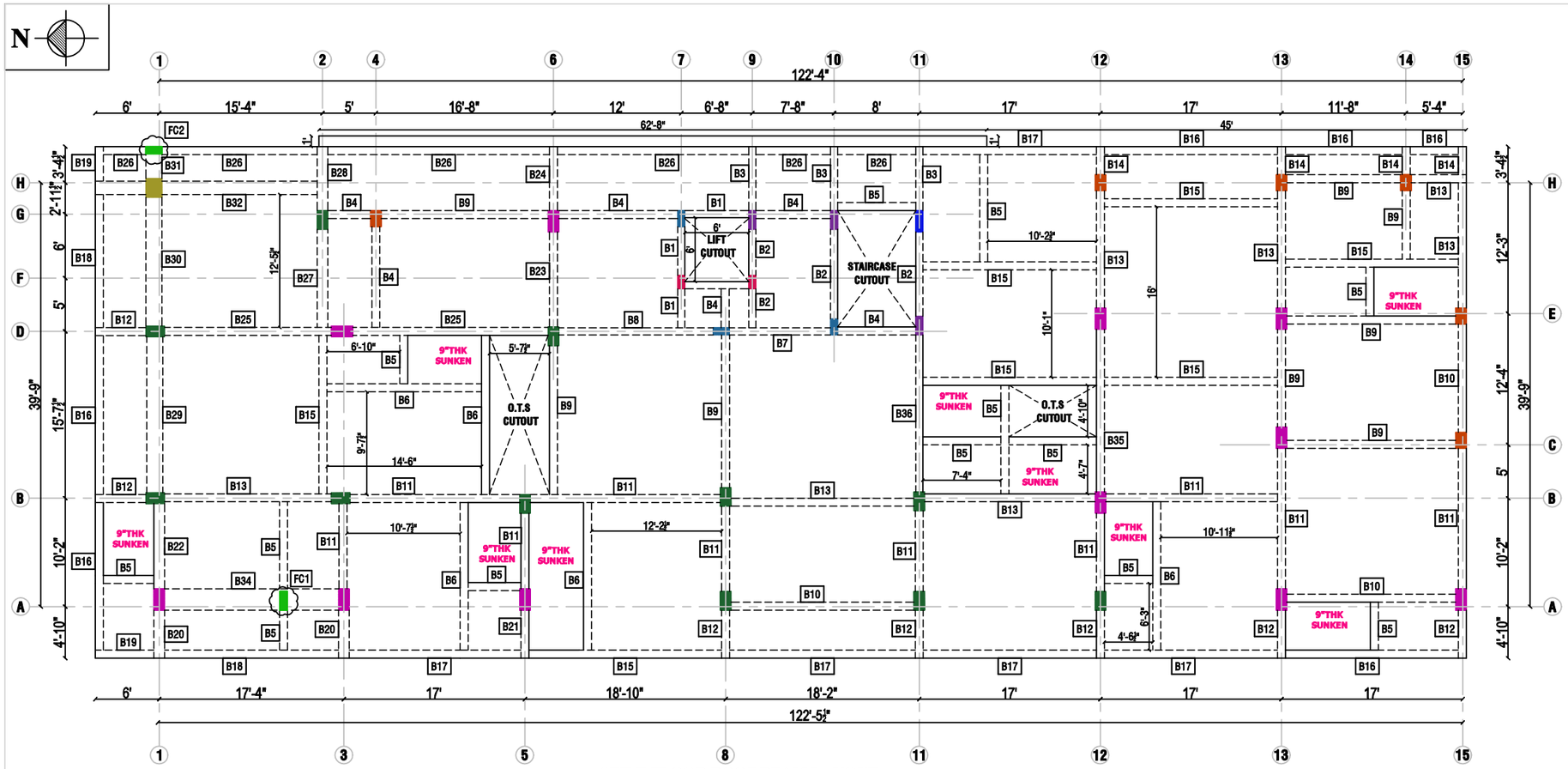
PROPOSED APARTMENT BUILDING AT COIMBATORE.

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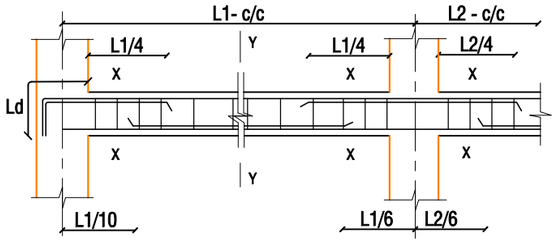
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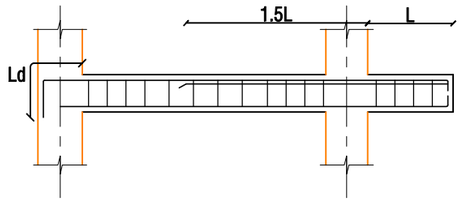
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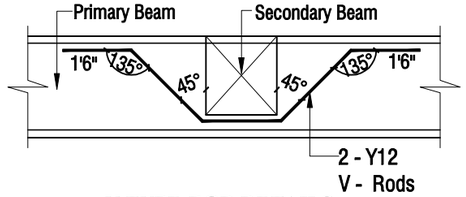
STILT FLOOR ROOF BEAM LAYOUT



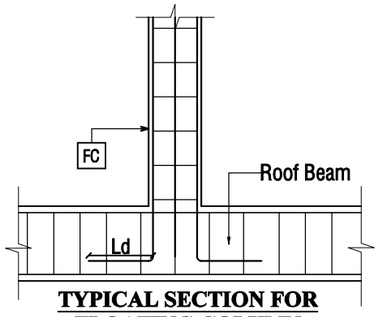
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V TYPE-ROD DETAILS



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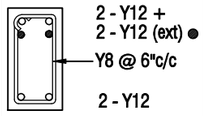
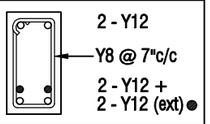
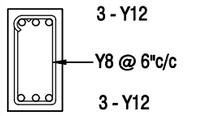
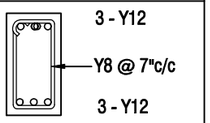
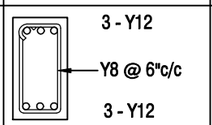
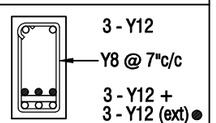
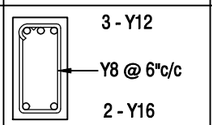
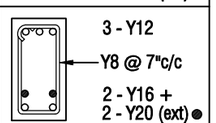
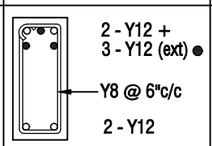
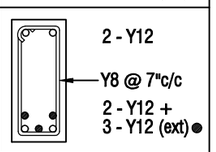
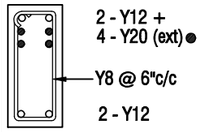
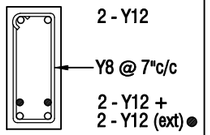
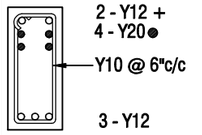
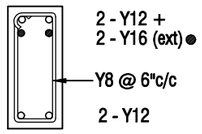
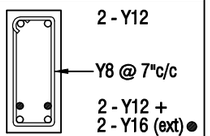
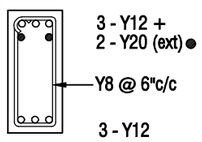
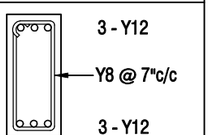
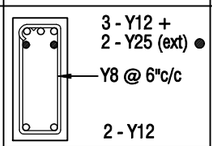
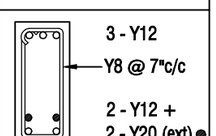
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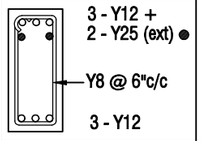
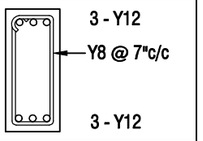
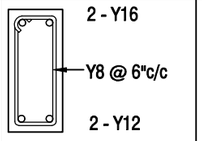
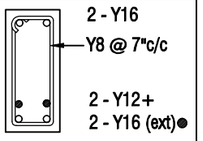
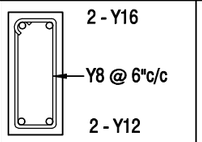
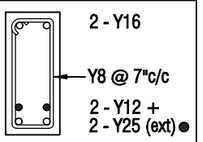
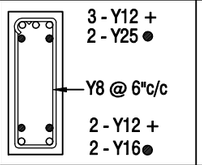
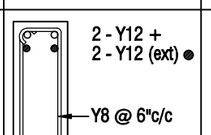
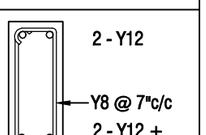
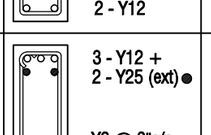
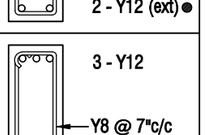
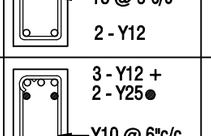
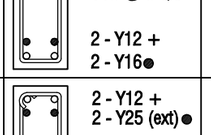
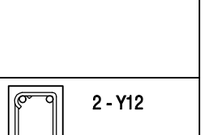
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Drawn	Danyaa		
Design	Sriram S		
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Size	A3	Date	08.06.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/04-R0

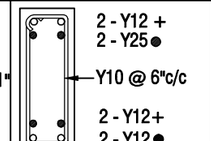
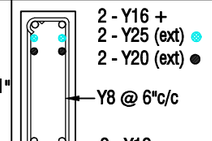
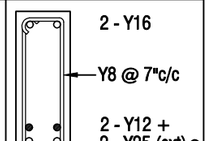
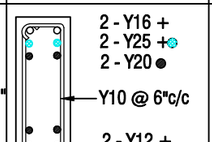
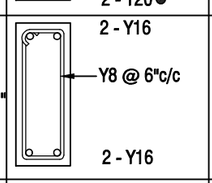
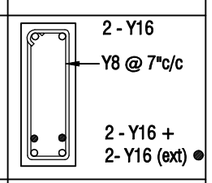
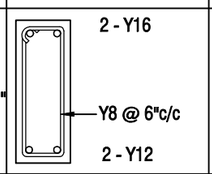
ROOF BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
1	B1	8" x 15"		
2	B2	8" x 15"		
3	B3	8" x 15"		
4	B4	8" x 15"		
5	B5	8" x 18"		
6	B6	8" x 18"		
7	B7	8" x 18"		
8	B8	8" x 18"		
9	B9	8" x 18"		
10	B10	8" x 18"		

ROOF BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
11	B11	8" x 18"		
12	B12	8" x 18"		
13	B13	8" x 18"		
14	B14	8" x 21"		
15	B15	8" x 21"		
16	B16	8" x 21"		
17	B17	8" x 21"		
18	B18	8" x 21"		

ROOF BEAM DETAILS:

S No	Beam No	Beam Size	X^n @ XX End span	X^n @ YY Mid span
19	B19	8" x 21"		
20	B20	8" x 21"		
21	B21	8" x 21"		
22	B22	8" x 21"		
23	B23	8" x 21"		
24	B24	8" x 24"		
25	B25	8" x 21"		

GENERAL NOTES:

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M20 GR),for design mix confirming to I.S.456-2000.
3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
4. Clear cover to the main steel (a).Beam - 1",(b).Slab-½".
5. Lap length (or) Development length (Ld) shall be 57d (max dia) for all bars.
6. Not more than 40% of reinforcement shall be lapped at any particular junction.
7. ———— Bottom reinforcement.
8. —— —— Top reinforcement.
9. All dimensions are in feet and inches.

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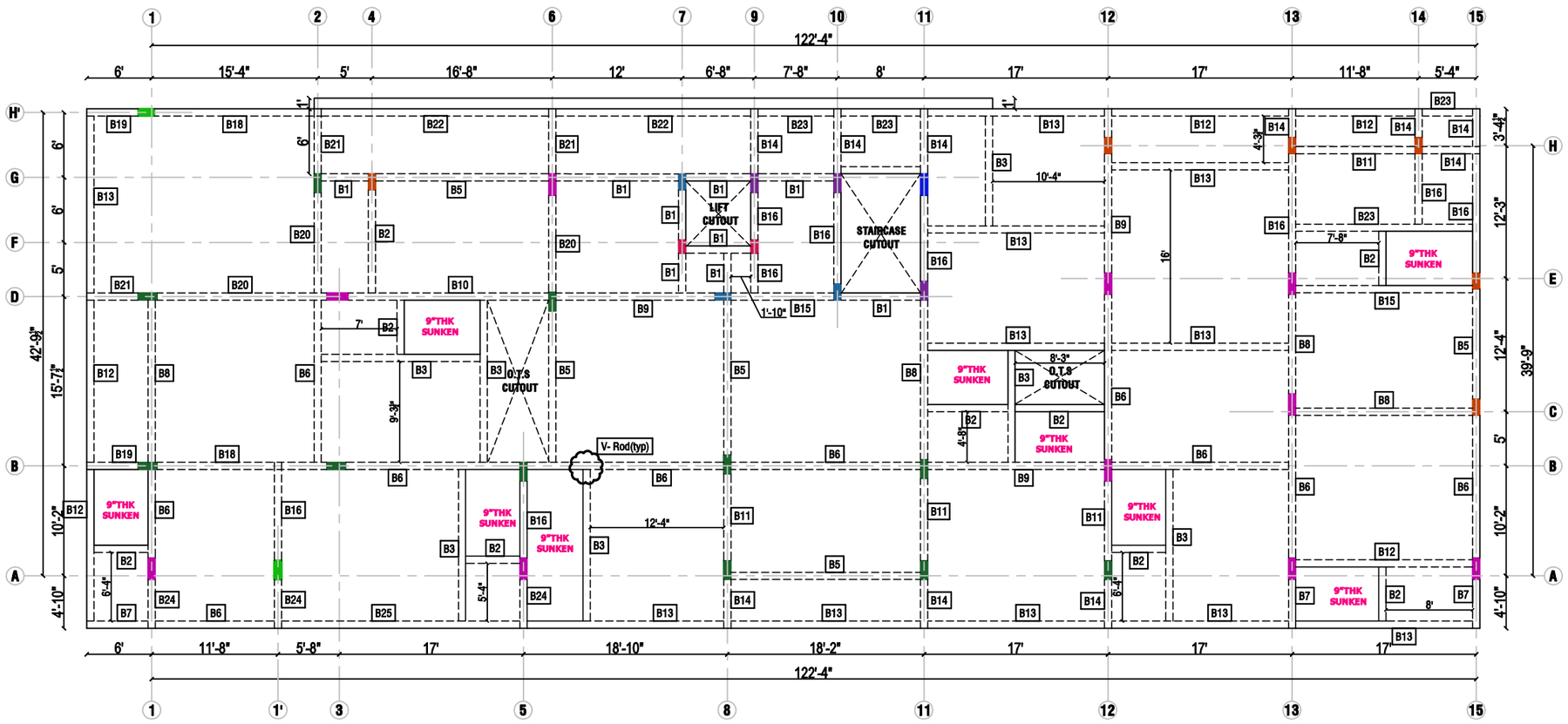
PROPOSED APARTMENT BUILDING AT COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

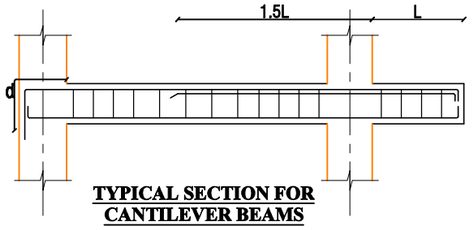
TYPICAL FLOOR ROOF BEAM DETAILS

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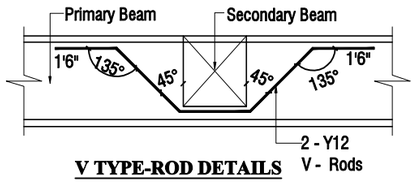
Drawn	Sriram S		
Design	Sriram S		
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Size	A3	Date	08.06.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/05A-R0



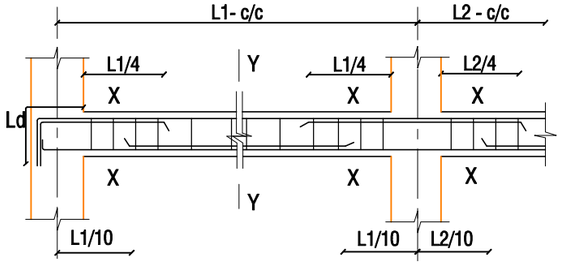
TYPICAL FLOOR ROOF BEAM LAYOUT



TYPICAL SECTION FOR CANTILEVER BEAMS



V TYPE-ROD DETAILS



TYPICAL SECTION FOR BEAMS

GENERAL NOTES:

1. This drawing should be read along with architectural drawings.
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3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
4. Clear cover to the main steel (a).Beam - 1",(b).Slab-½".
5. Lap length (or) Development length (Ld) shall be 57d (max dia) for all bars.
6. Not more than 40% of reinforcement shall be lapped at any particular junction.
7. ———— Bottom reinforcement.
8. —— —— Top reinforcement.
9. All dimensions are in feet and inches.

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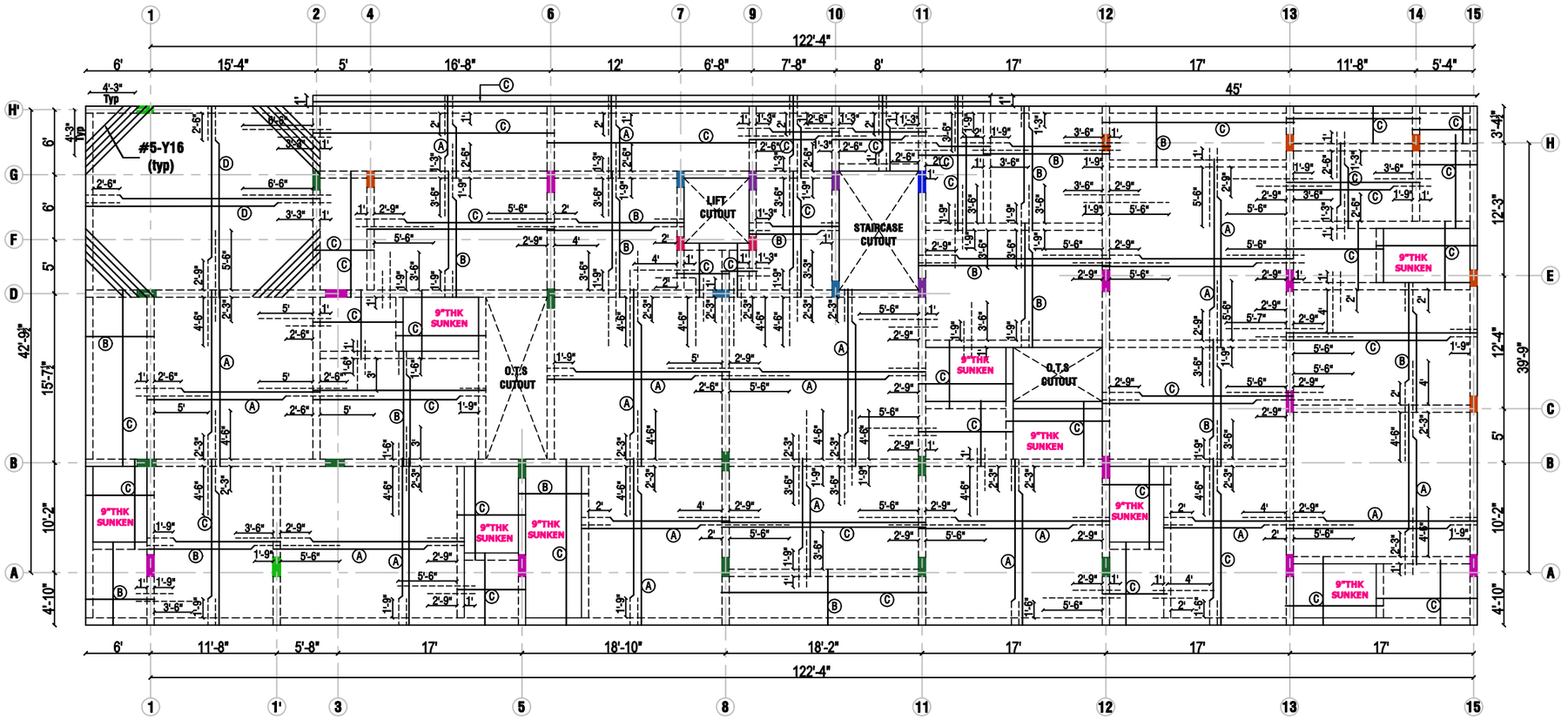
PROPOSED APARTMENT BUILDING AT COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

TYPICAL FLOOR ROOF BEAM LAYOUT

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Drawn	Sriram S		
Design	Sriram S		
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Size	A3	Date	08.06.2024
Scale	1:100		
Job No	740-ABV-2024	DWG No	SGSE/ST/ABV/05-R0



TYPICAL FLOOR ROOF SLAB LAYOUT

SLAB DETAIL

Slab thickness 6" Unless Noted
A - Y10 @ 5"c/c
B - Y10 @ 6"c/c
C - Y8 @ 6"c/c
D - Y12 @ 6"c/c

GENERAL NOTES:

1. This drawing should be read along with architectural drawings.
2. Grade of concrete shall be (M20 GR),for design mix confirming to I.S.456-2000.
3. Y Denotes tor 50 steel confirming to I.S.1786 - 2008, grade - Fe500.
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6. Not more than 40% of reinforcement shall be lapped at any particular junction.
7. ———— Bottom reinforcement.
8. —— —— Top reinforcement.
9. All dimensions are in feet and inches.

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PROPOSED APARTMENT BUILDING AT COIMBATORE.

ABV ARBOR APARTMENT AT G SQUARE BLUE CREST

TYPICAL FLOOR ROOF SLAB LAYOUT AND DETAILS

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Drawn	Sriram S		
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Size	A2	Date	08.06.2024
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