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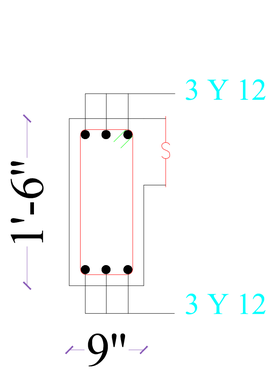
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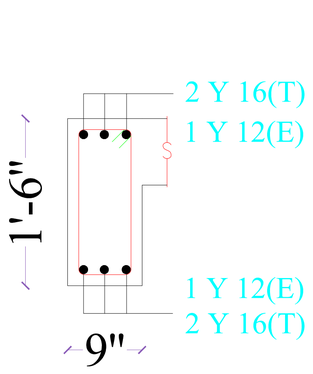
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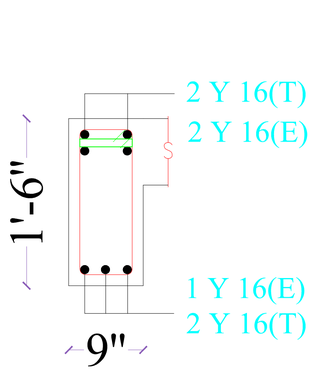
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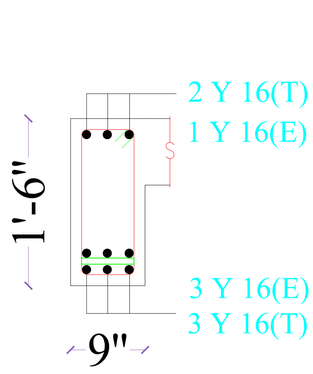
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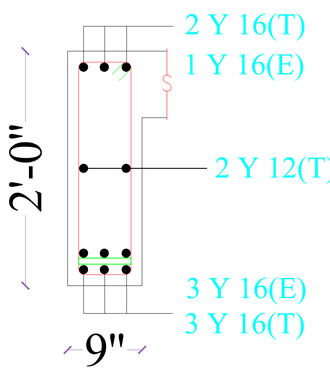
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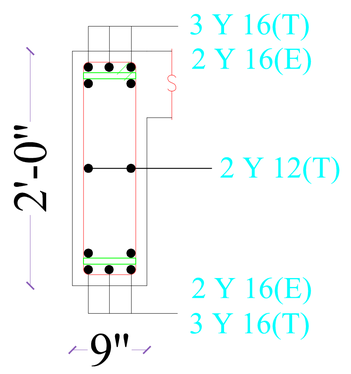
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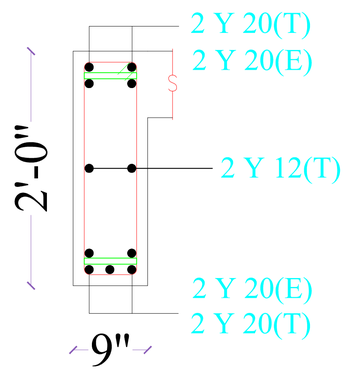
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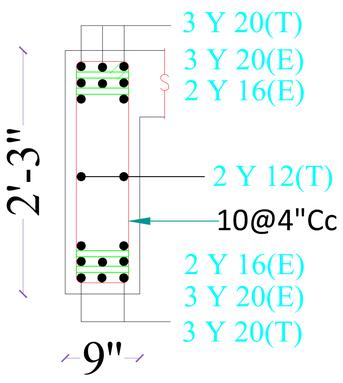
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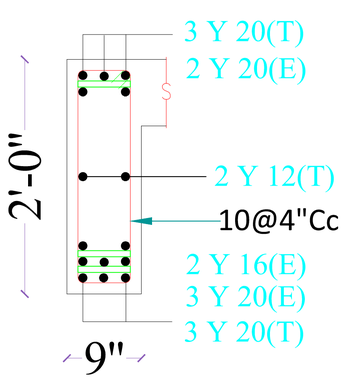
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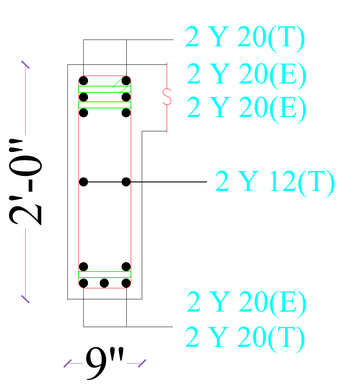
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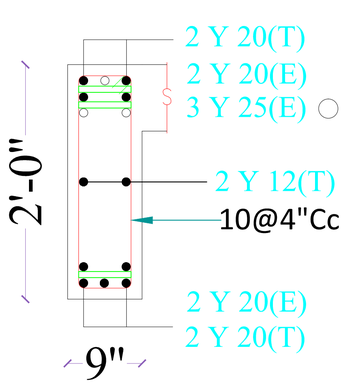
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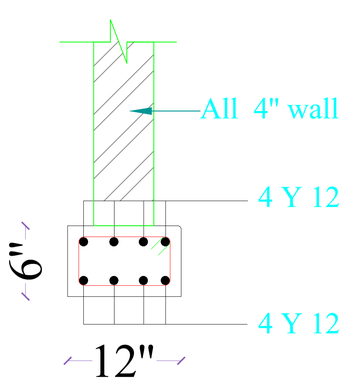
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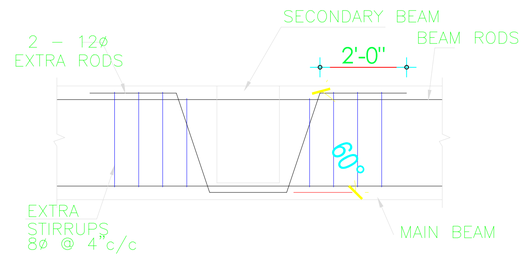
ROOF BEAM - CB1



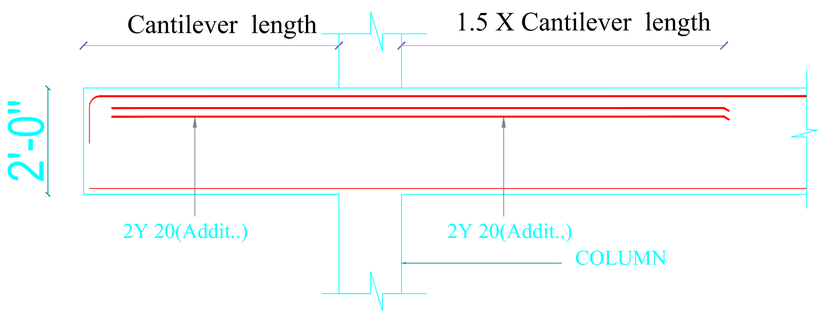
ROOF BEAM - CB2



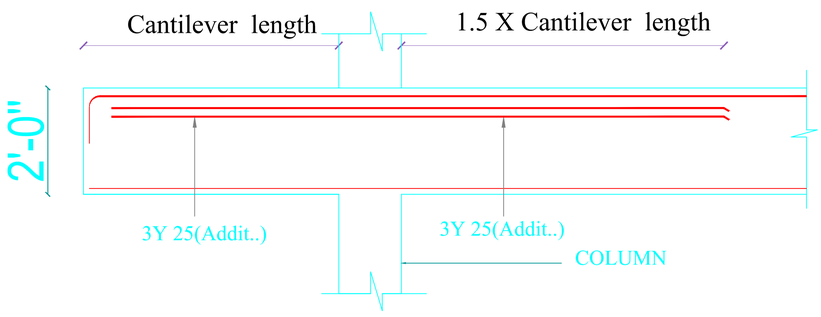
Concealed Beam



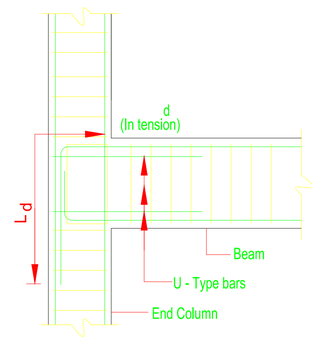
TYP. DETAIL OF SHEAR REINFT.
IN BEAM TO BEAM JUNCTION



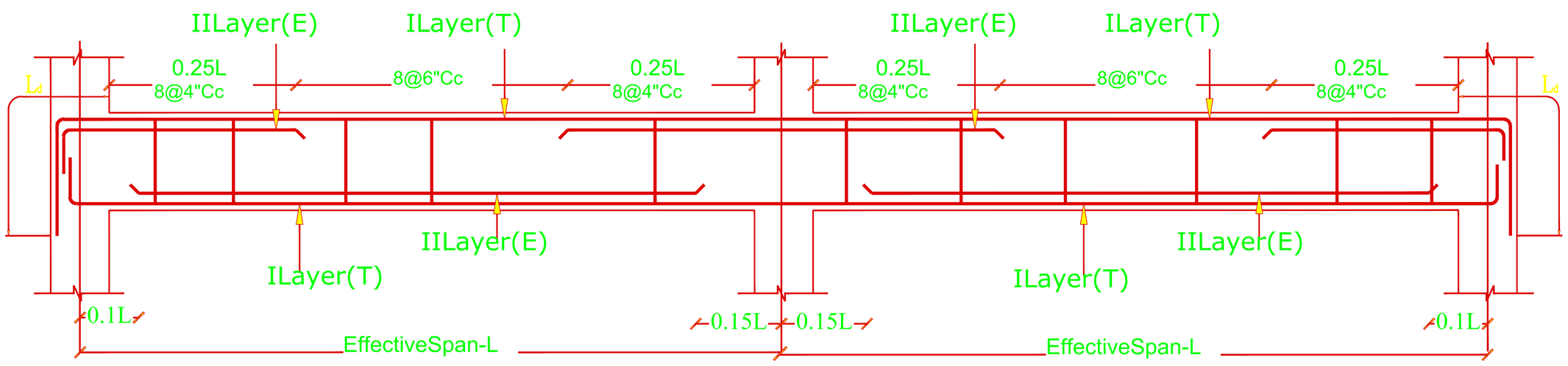
CANTILEVER BEAM - CB1



CANTILEVER BEAM - CB2



TYPICAL DETAIL OF BEAM - COLUMNJUNCTION AT EXTERNAL COLUMN



FLOOR ROOF BEAM DETAILS

Notes:

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C - M30 (Pile, Pliecap & Column)
   Grade of R.C.C - M25 (Roof Beam & Slab)
3. Grade - Fe 500D
4. * Foundation design - Stilt + 5 Floors
   * Pile Depth - 19.0m
   * Pile safe load - 170 TON (600mm Dia)

   Pile load test shall be carried out at site to ensure capacities of pile assumed in design/ provided by geo technical consultant

5. Clear cover to the main steel
   (i) Pile & Pile cap 75mm, Footing -50mm,
   (ii) Column -40mm
   (iii) Beam -25mm
   (iv) Slab -20mm
   (v) Rc wall-40mm
   (vi) Waist slab-20mm
6. Lap length - 50 d (Max.dia)
15. Removal of formworks :
   a. Slabs spanning upto 4.5 m - 7 days
   b. Slabs spanning over 4.5 m - 14 days
   c. Beams and arches span upto 6 m - 14 days
   d. Beams and arches span over 6 m - 21 days
18. Portable drinking water should be used for Complete Structure

SLAB SCHEDULE

SLAB	THK.	SHORT SPAN	LONG SPAN
S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

1st Floor to 3rd Floor Roof Beam Details

DRAWING NO: ST - 08

REVISION NO: R-00

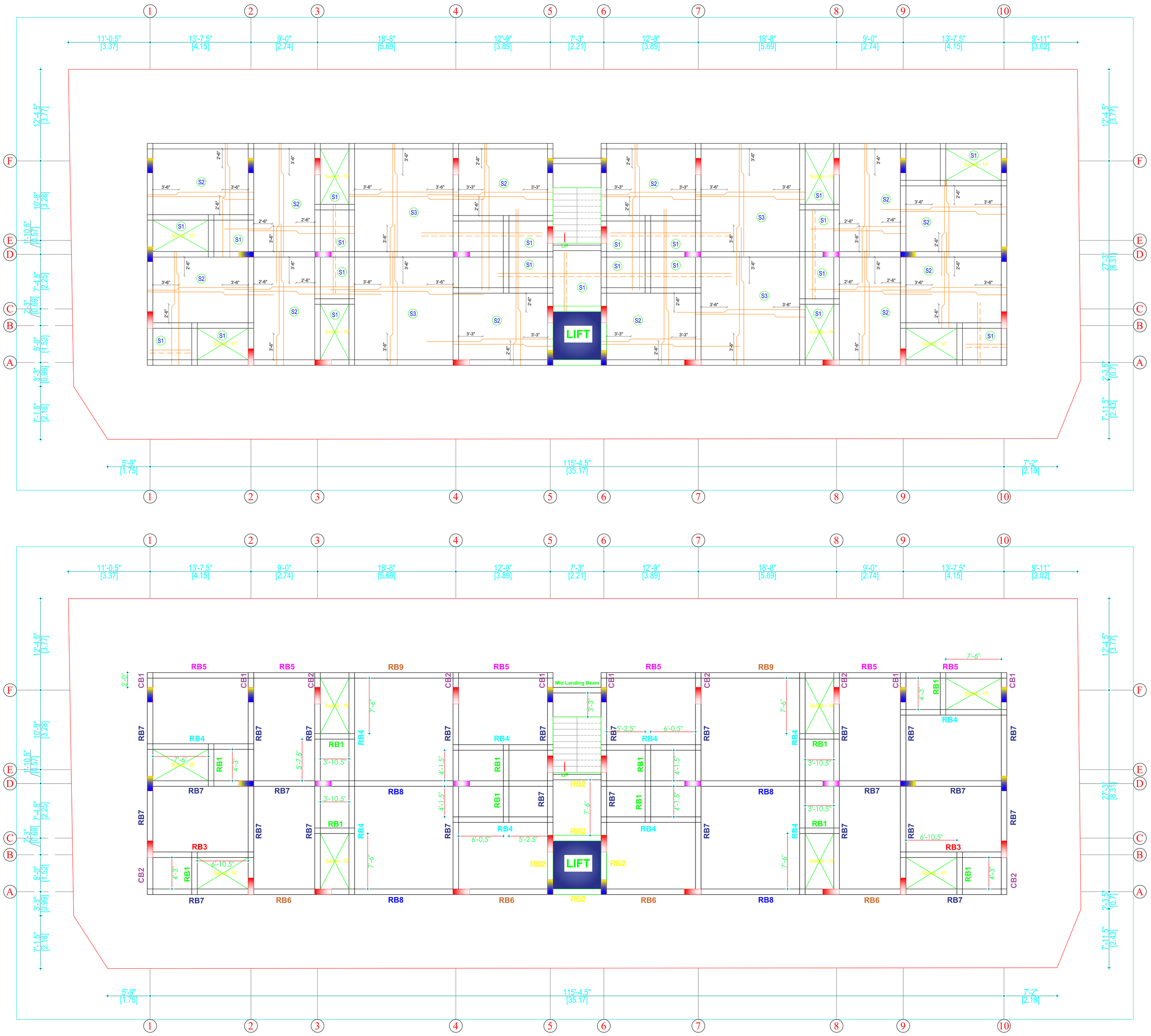
PROJECT :

THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

Date : 03-04-2025

STRUCTURAL CONSULTANT

SM DESIGN
Civil & Structural Consultant
No: 189, 4th St, Nehru nagar, 13th Main road, Anna nagar, chennai-40.
smdesign1988@gmail.com,
9884423835, 8190892455



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SLAB	THK.	SHORT SPAN	LONG SPAN
S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

1st Floor to 3rd Floor Roof Beam Layout

DRAWING NO: ST - 07

REVISION NO: R-00

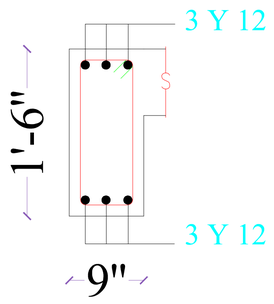
PROJECT :

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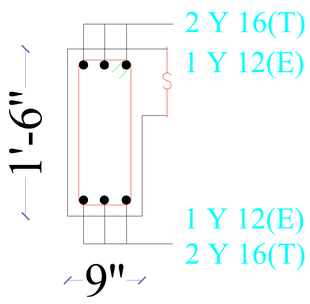
Date : 03-04-2025

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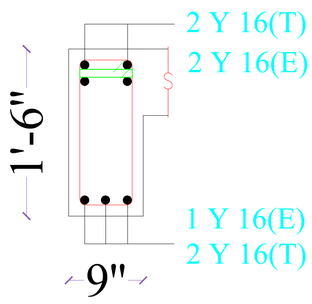
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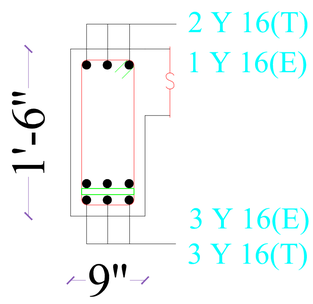
ROOF BEAM - RB1



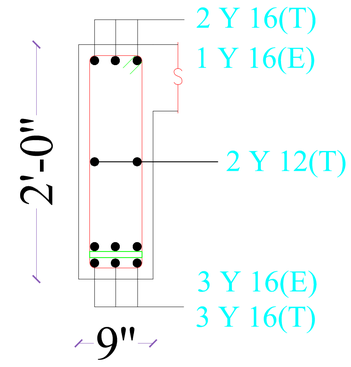
ROOF BEAM - RB2



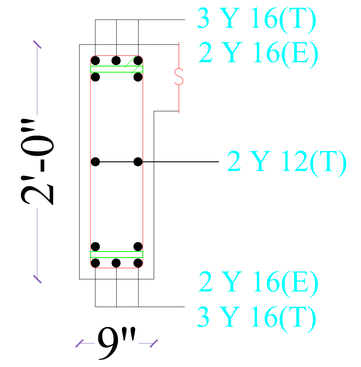
ROOF BEAM - RB3



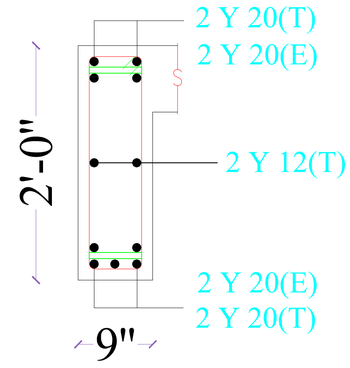
ROOF BEAM - RB4



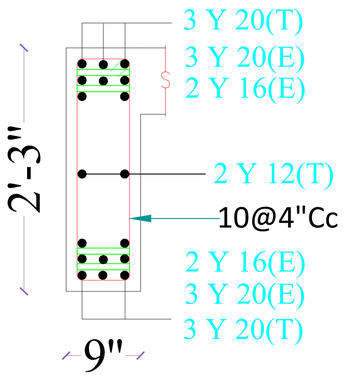
ROOF BEAM - RB5



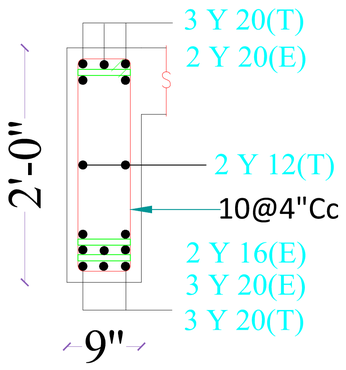
ROOF BEAM - RB6



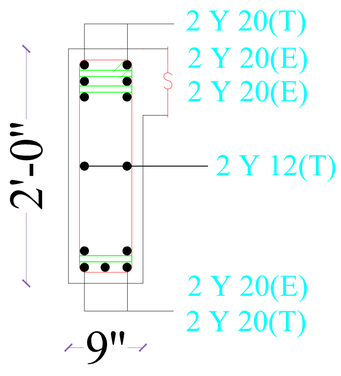
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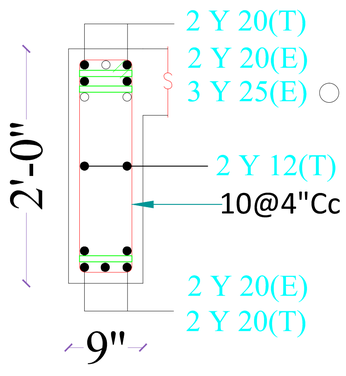
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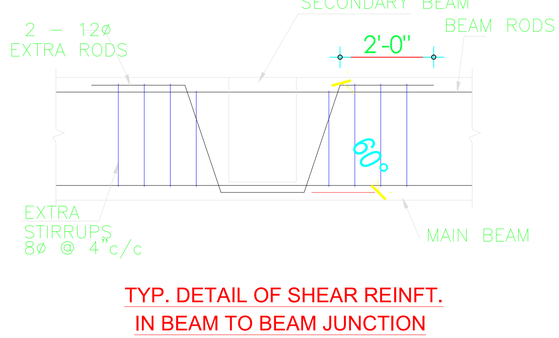
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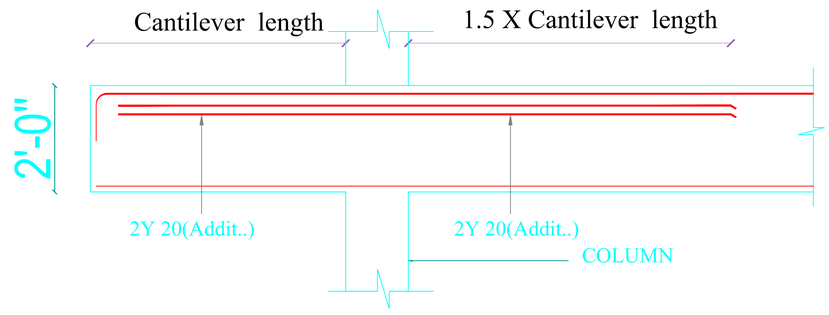
ROOF BEAM - CB1



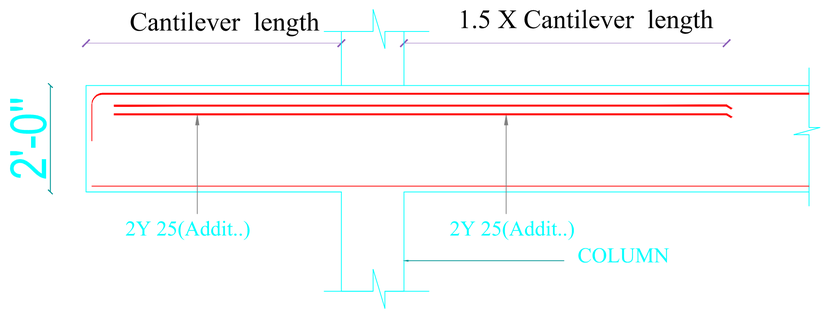
ROOF BEAM - CB2



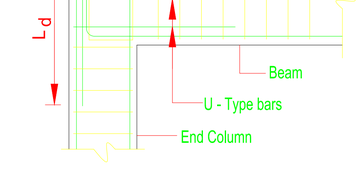
TYP. DETAIL OF SHEAR REINFT.
IN BEAM TO BEAM JUNCTION



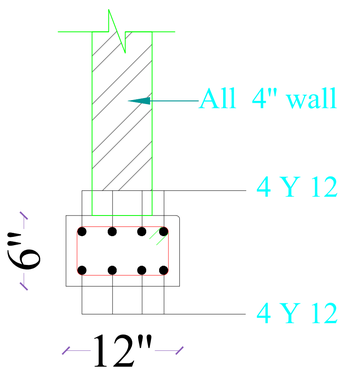
CANTILEVER BEAM - CB1



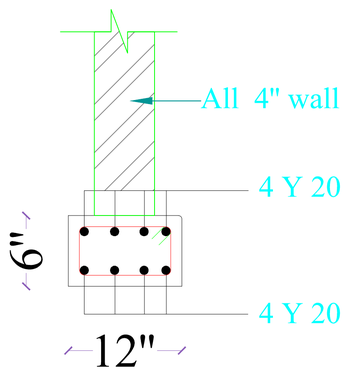
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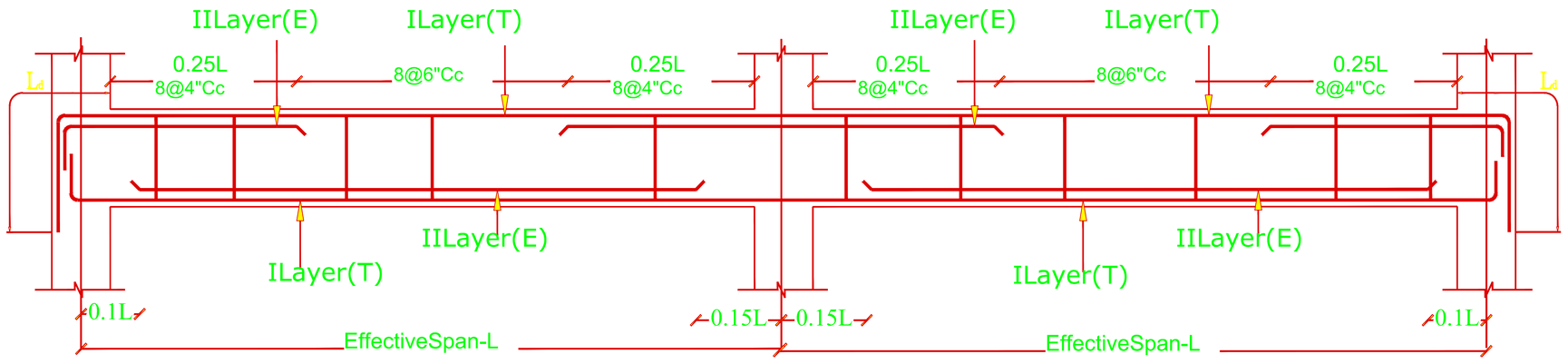
TYPICAL DETAIL OF BEAM
- COLUMNJUNCTION AT
EXTERNAL COLUMN



Concealed Beam



Concealed Beam - 2



FLOOR ROOF BEAM DETAILS

Notes:

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   d. Beams and arches span over 6 m - 21 days
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SLAB SCHEDULE

SLAB	THK.	SHORT SPAN	LONG SPAN
S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

4th Floor Roof Beam Details

DRAWING NO: ST - 10

REVISION NO: R-00

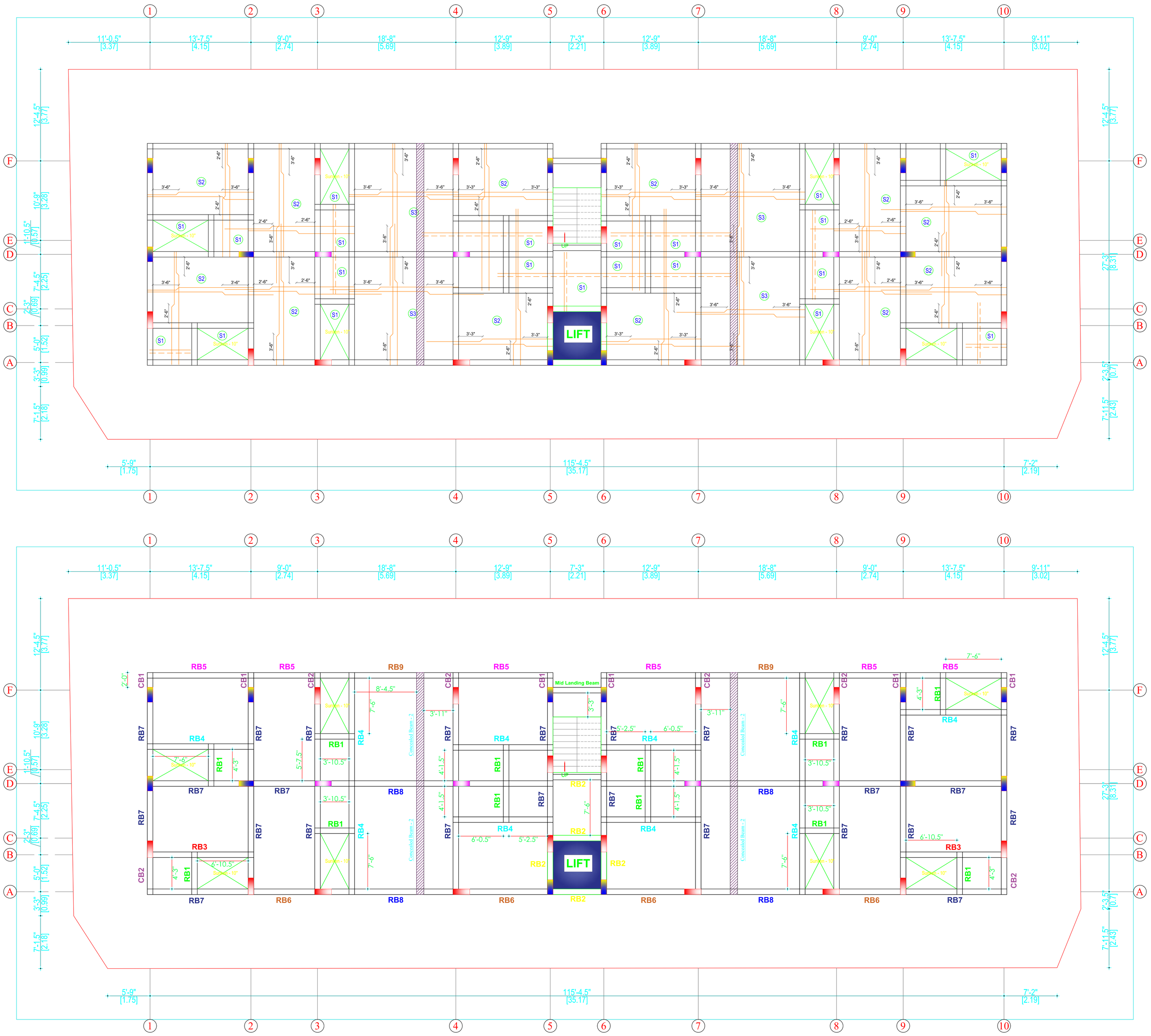
PROJECT :

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SLAB SCHEDULE

SLAB	THK.	SHORT SPAN	LONG SPAN
S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

4th Floor Roof Beam Layout

DRAWING NO: ST - 09

REVISION NO: R-00

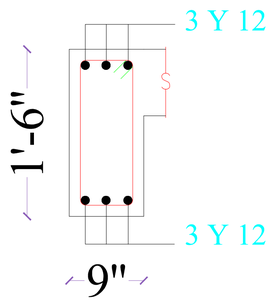
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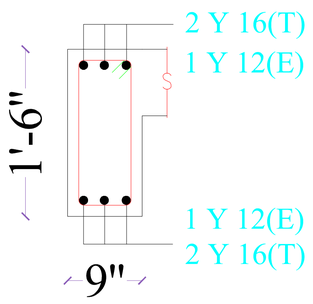
Date : 03-04-2025

STRUCTURAL CONSULTANT

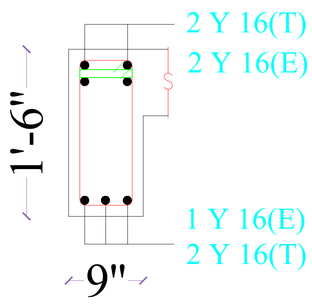
SM DESIGN
Civil & Structural Consultant
No: 189, 4th St, Nehru nagar, 13th Main road, Anna nagar, chennai-40.
smdesign1988@gmail.com,
9884423835, 8190892455



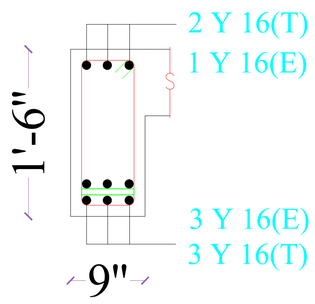
ROOF BEAM - RB1



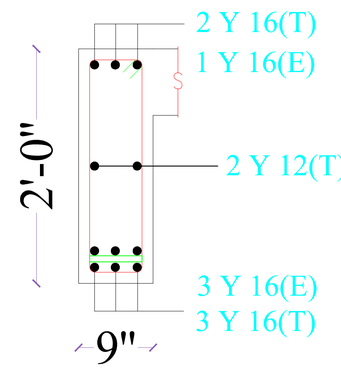
ROOF BEAM - RB2



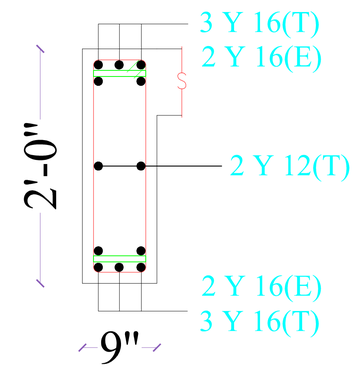
ROOF BEAM - RB3



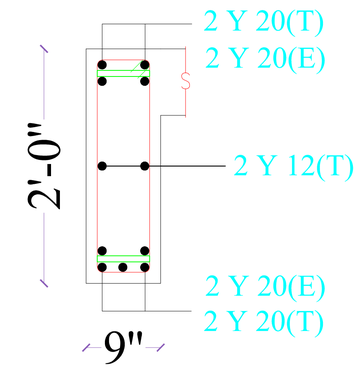
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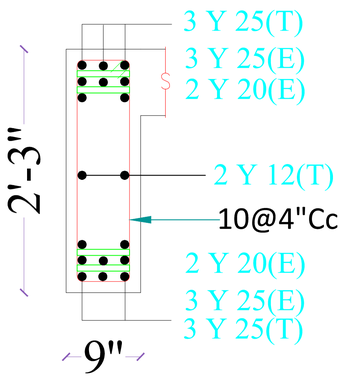
ROOF BEAM - RB5



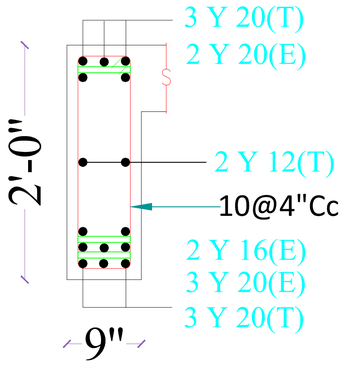
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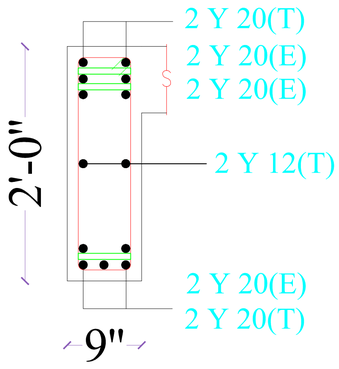
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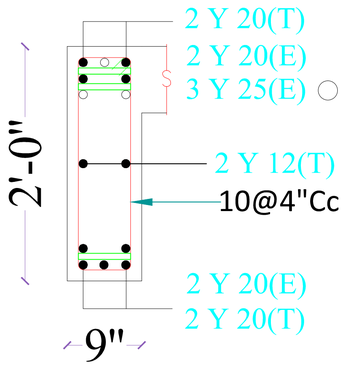
ROOF BEAM - RB8



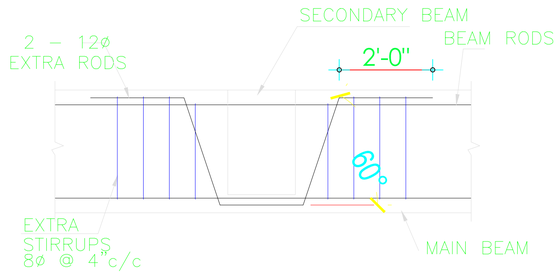
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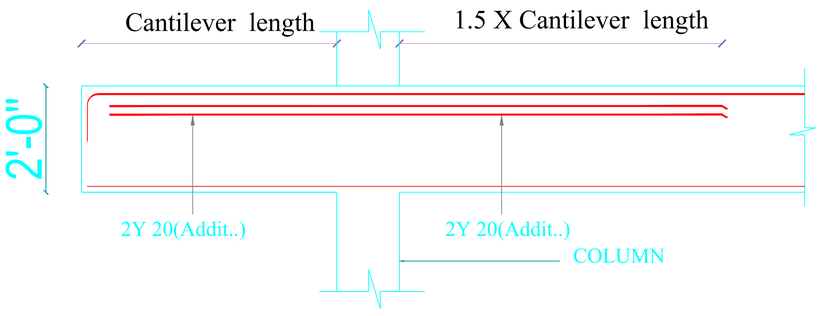
ROOF BEAM - CB1



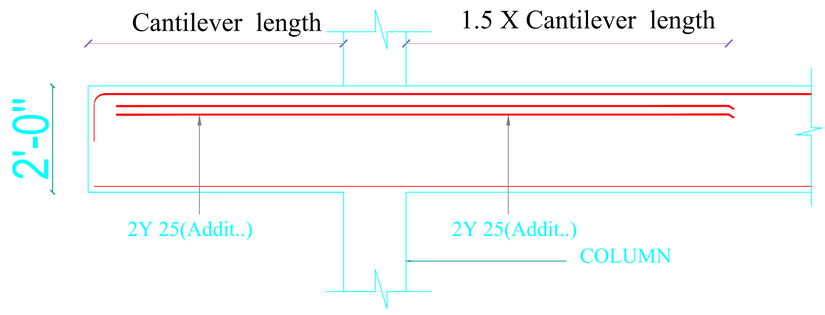
ROOF BEAM - CB2



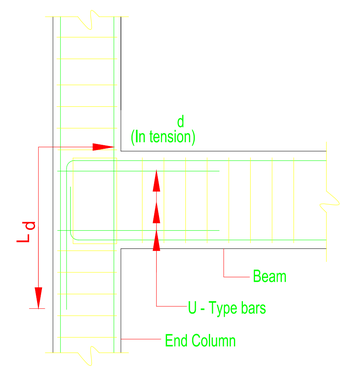
TYP. DETAIL OF SHEAR REINFT.
IN BEAM TO BEAM JUNCTION



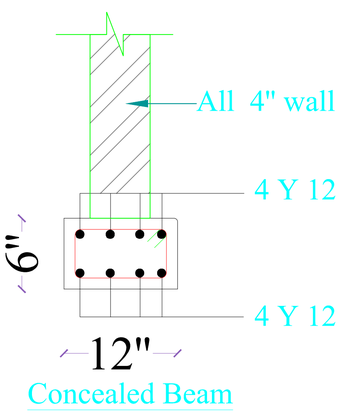
CANTILEVER BEAM - CB1



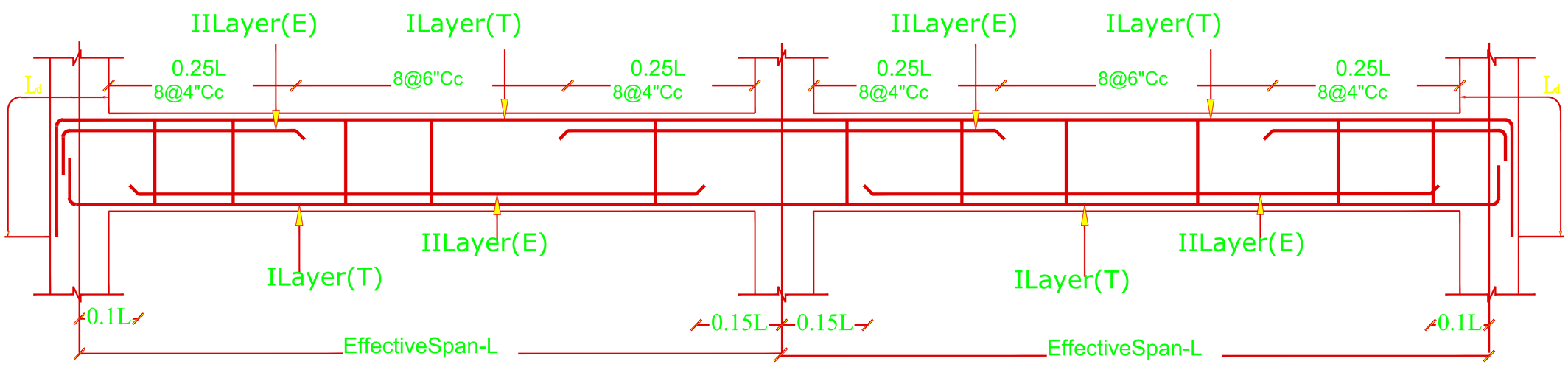
CANTILEVER BEAM - CB2



TYPICAL DETAIL OF BEAM
- COLUMNJUNCTION AT
EXTERNAL COLUMN



Concealed Beam



FLOOR ROOF BEAM DETAILS

Notes:

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C - M30 (Pile, Pliecap & Column)
   Grade of R.C.C - M25 (Roof Beam & Slab)
3. Grade - Fe 500D
4. * Foundation design - Stilt + 5 Floors
   * Pile Depth - 19.0m
   * Pile safe load - 170 TON (600mm Dia)

   Pile load test shall be carried out at site to ensure capacities of pile assumed in design/ provided by geo technical consultant

5. Clear cover to the main steel
   (i) Pile & Pile cap 75mm, Footing -50mm,
   (ii) Column -40mm
   (iii) Beam -25mm
   (iv) Slab -20mm
   (v) Rc wall-40mm
   (vi) Waist slab-20mm
6. Lap length - 50 d (Max.dia)
15. Removal of formworks :
   a. Slabs spanning upto 4.5 m - 7 days
   b. Slabs spanning over 4.5 m - 14 days
   c. Beams and arches span upto 6 m - 14 days
   d. Beams and arches span over 6 m - 21 days
18. Portable drinking water should be used for Complete Structure

SLAB SCHEDULE

SLAB	THK.	SHORT SPAN	LONG SPAN
S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

5th Floor Roof Beam Details

DRAWING NO: ST - 12

REVISION NO: R-00

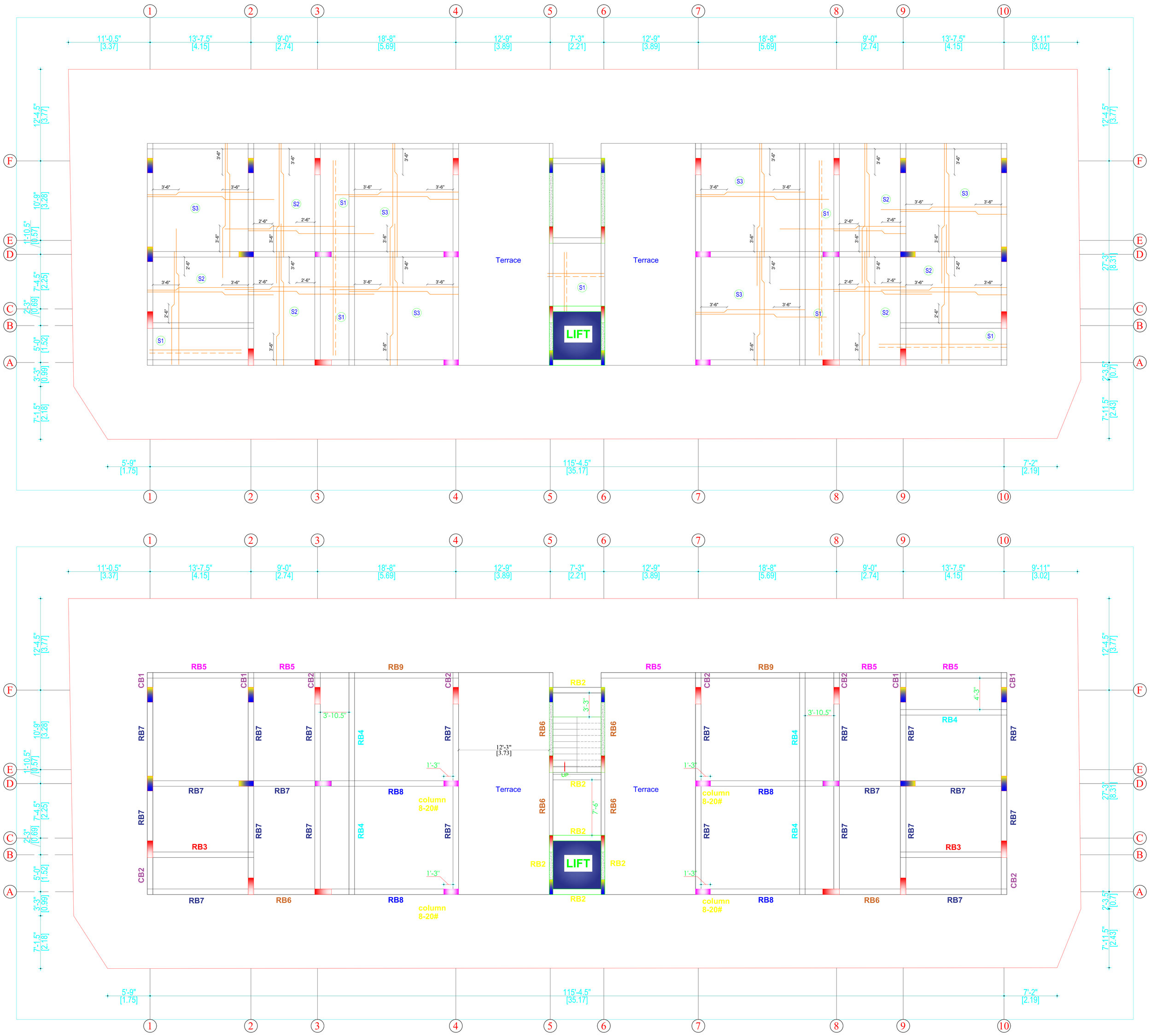
PROJECT :

THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

Date : 03-04-2025

STRUCTURAL CONSULTANT

SM DESIGN
Civil & Structural Consultant
No: 189, 4th St, Nehru nagar, 13th Main road, Anna nagar, chennai-40.
smdesign1988@gmail.com,
9884423835, 8190892455



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S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

5th Floor Roof Beam Layout

DRAWING NO: ST - 11

REVISION NO: R-00

PROJECT :

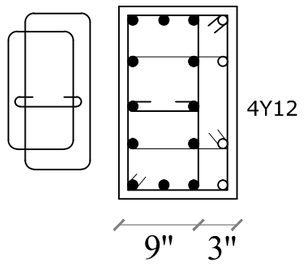
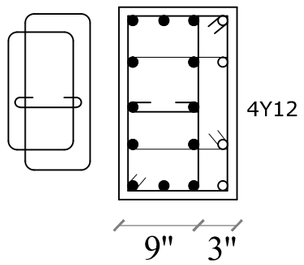
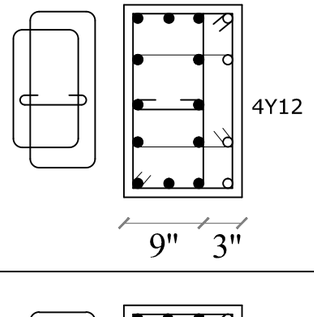
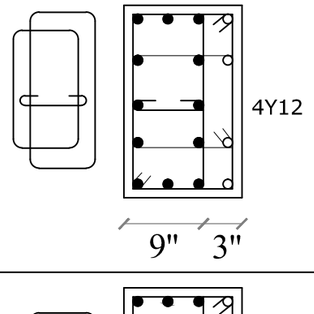
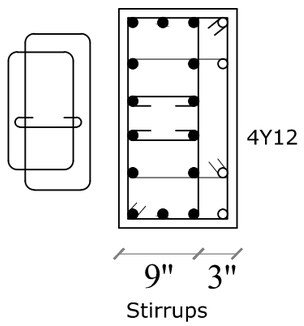
THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

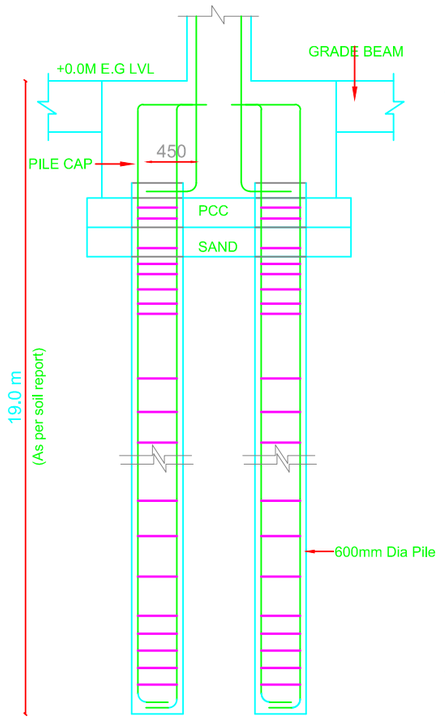
Date : 03-04-2025

STRUCTURAL CONSULTANT

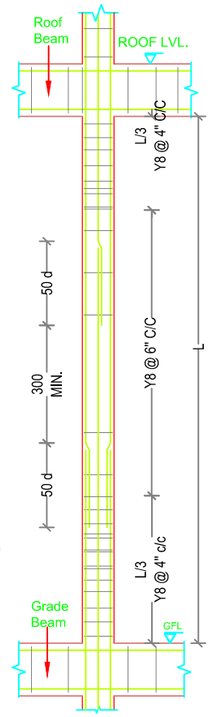
SM DESIGN
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smdesign1988@gmail.com,
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Column Schedule :

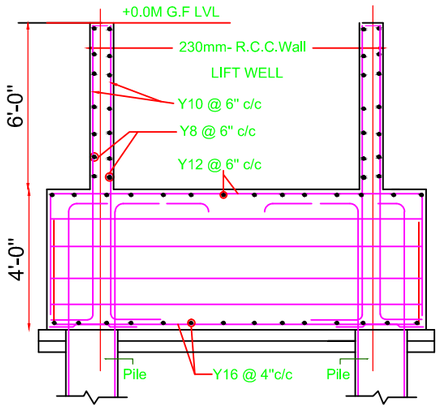
S.No.	Column Details	Stilt To 2Floors Column Size	3 to 5 Floors Column Size	Columns
1.	C1	12" X 24"	9" X 24"	
		4Y20+8Y16	12Y16	
2.	C2	12" X 24"	9" X 24"	
		6Y20+6Y16	4Y20+8Y16	
3.	C3	12" X 27"	9" X 27"	
		12Y20	8Y20 4Y16	
4.	C4	12" X 24"	9" X 24"	
		6Y25+6Y20	4Y25+8Y20	
5.	C5	15" X 27"	9" X 27"	 Stirrups #10 AT 4"/7" C/C
		14Y25 ●	10Y25+4Y20 ● ○	



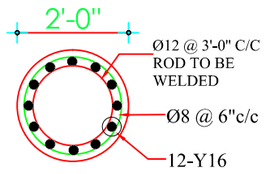
TYPICAL L.S OF PILE DETAIL



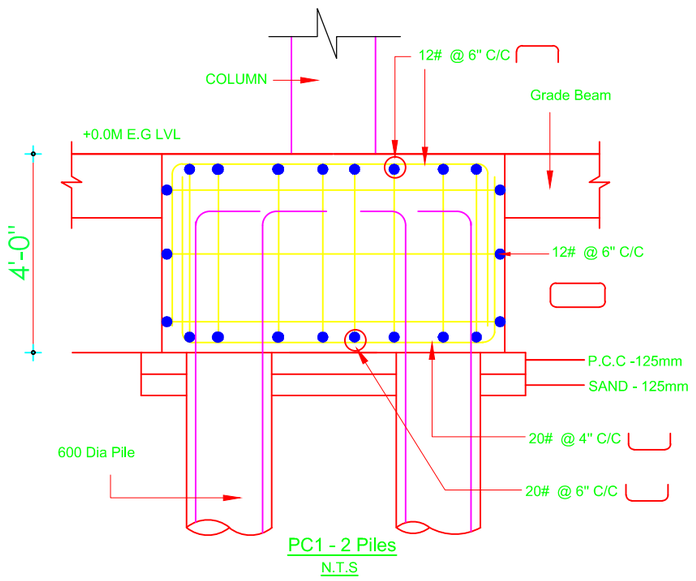
TYPICAL COLUMN DETAIL



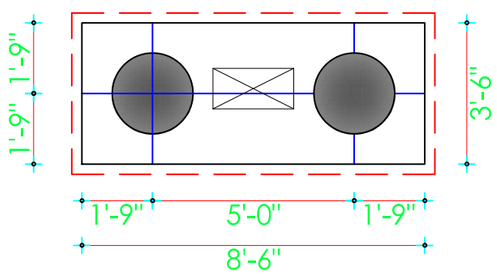
SECTION DETAILS FOR LIFT WELL



Pile Details - P1



PC1 - 2 Piles
N.T.S



Pile Cap - PC1 - 2 Piles

Project :

THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

Title:

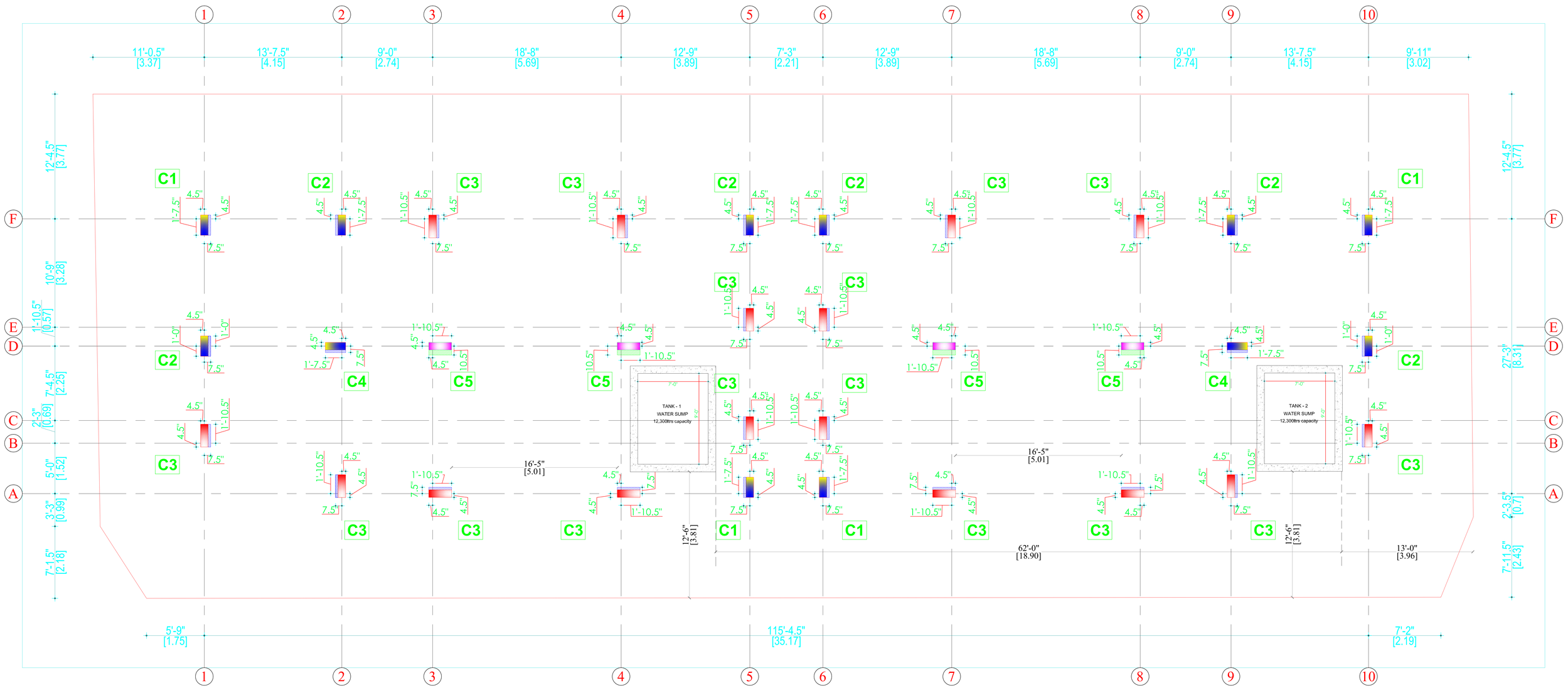
COLUMN DETAILS
PILE DETAILS
PILE CAP DETAILS

DRAWING NO:	REVISION NO:
ST - 03	R-00

Date : 02-12-2024

Structural Consultant

SM DESIGN
Civil & Structural Consultant
No: 189, 4th St, Nehru nagar, 13th Main road, Anna nagar, chennai-40.
smdesign1988@gmail.com,
9884423835, 8190892455



Column Marking Layout

Notes:

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   Grade of R.C.C - M25 (Roof Beam & Slab)
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   (iv) Slab -20mm
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   (vi) Waist slab-20mm

6. Lap length - 50 d (Max.dia)

15. Removal of formworks :
   a. Slabs spanning upto 4.5 m - 7 days
   b. Slabs spanning over 4.5 m - 14 days
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   d. Beams and arches span over 6 m - 21 days

18. Portable drinking water should be used for Complete Structure

TITLE: Column Marking Layout

DRAWING NO: ST - 01

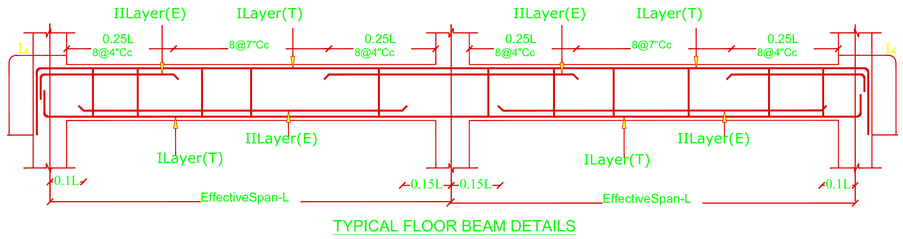
REVISION NO: R-00

PROJECT : THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

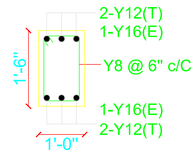
Date : 02-12-2024

Structural Consultant

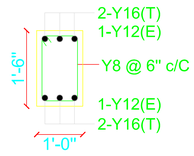
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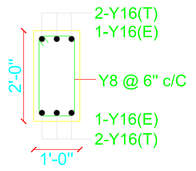
TYPICAL FLOOR BEAM DETAILS



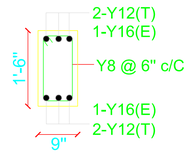
Grade Beam-GB1



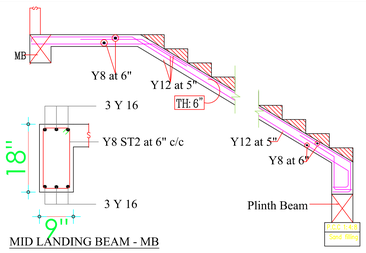
Grade Beam-GB2



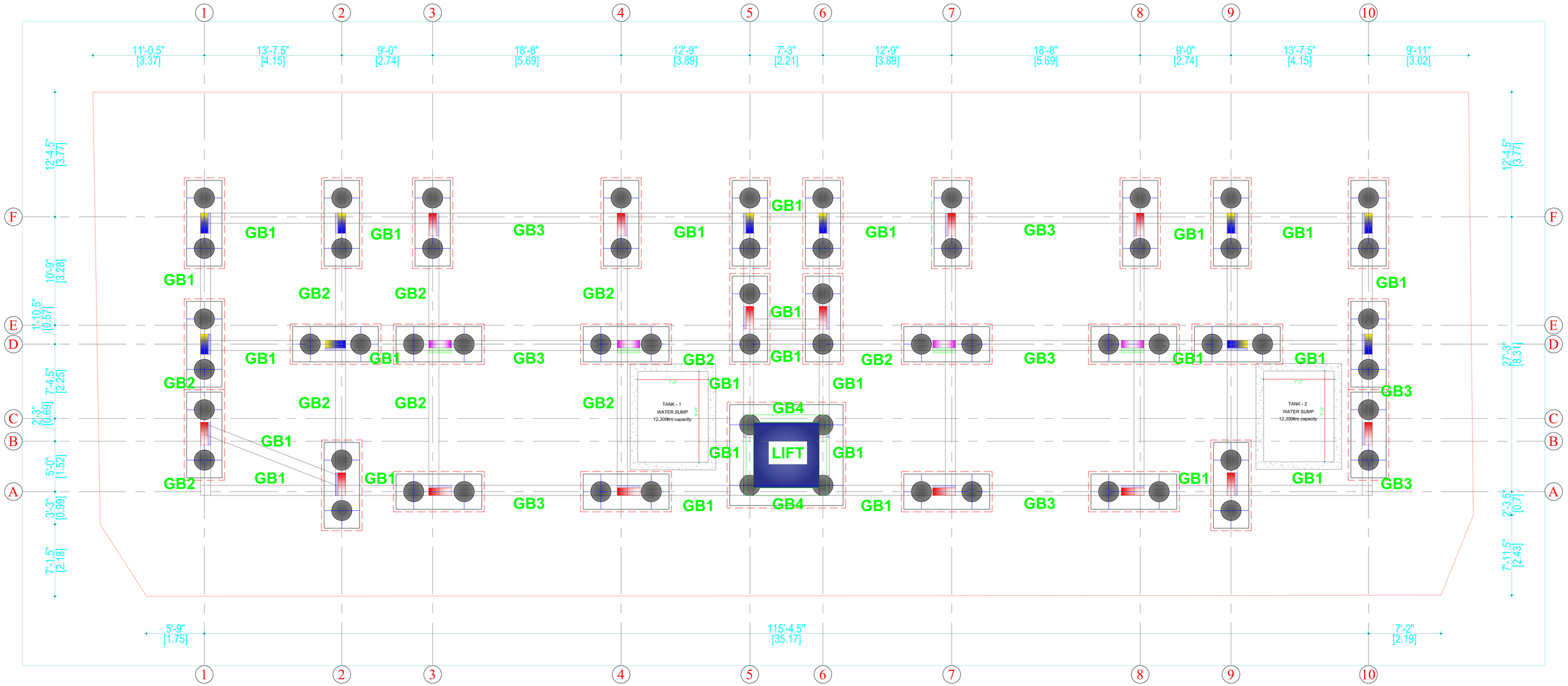
Grade Beam-GB3



Grade Beam-GB4



MID LANDING BEAM - MB



Grade Beam Layout

Notes:

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C - M30 (Pile, Pliecap & Column)
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Pile load test shall be carried out at site to ensure capacities of pile assumed in design/ provided by geo technical consultant

5. Clear cover to the main steel
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   (vi) Waist slab-20mm

6. Lap length - 50 d (Max.dia)

15. Removal of formworks :

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d. Beams and arches span over 6 m - 21 days

18. Portable drinking water should be used for Complete Structure

TITLE: Grade Beam Layout

DRAWING NO: ST - 04

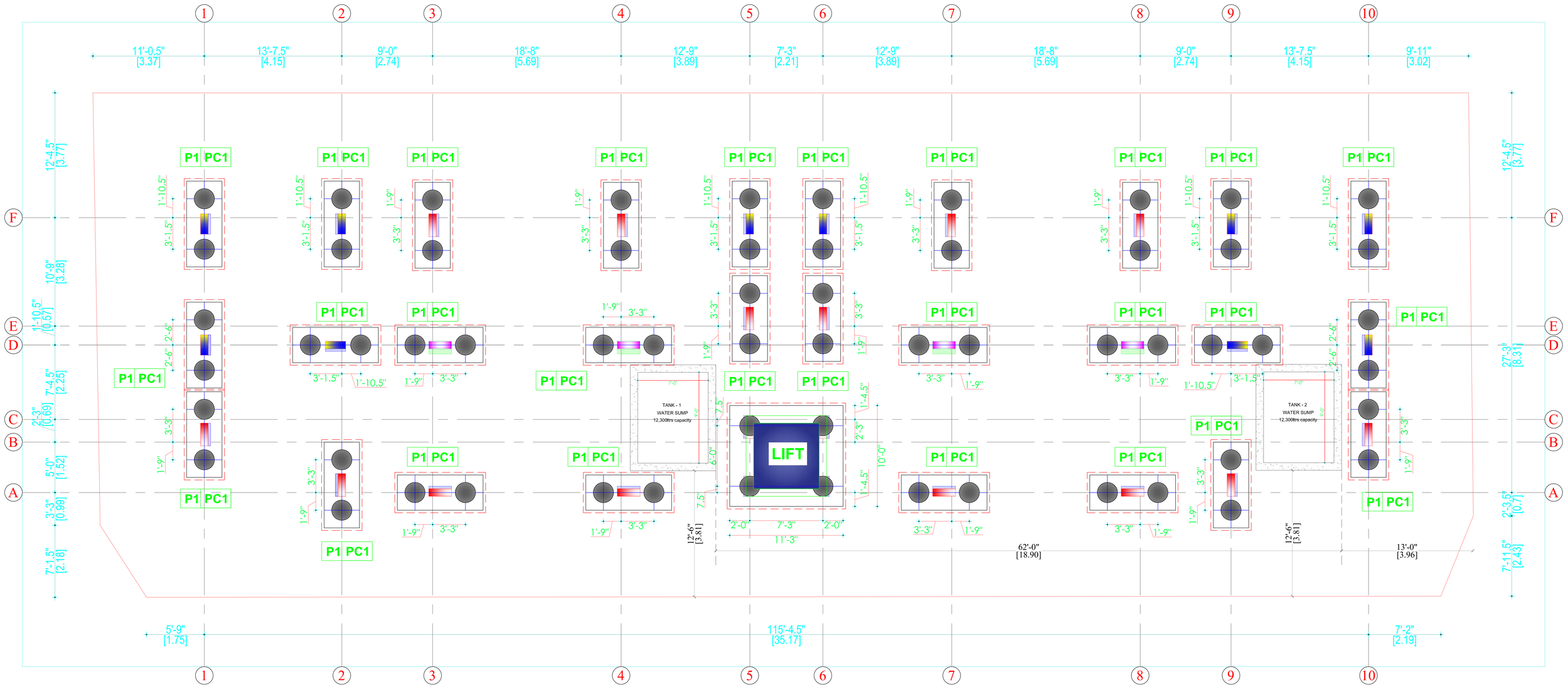
REVISION NO: R-00

PROJECT : THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

Date : 02-12-2024

Structural Consultant

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Civil & Structural Consultant
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smdesign1988@gmail.com,
9884423835, 8190892455



Pile & Pile Cap Layout

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   (iv) Slab -20mm
   (v) Rc wall-40mm
   (vi) Waist slab-20mm

6. Lap length - 50 d (Max.dia)

15. Removal of formworks :

a. Slabs spanning upto 4.5 m - 7 days
b. Slabs spanning over 4.5 m - 14 days
c. Beams and arches span upto 6 m - 14 days
d. Beams and arches span over 6 m - 21 days

18. Portable drinking water should be used for Complete Structure

TITLE:

Pile & Pile Cap Layout

DRAWING NO: ST - 02

REVISION NO: R-00

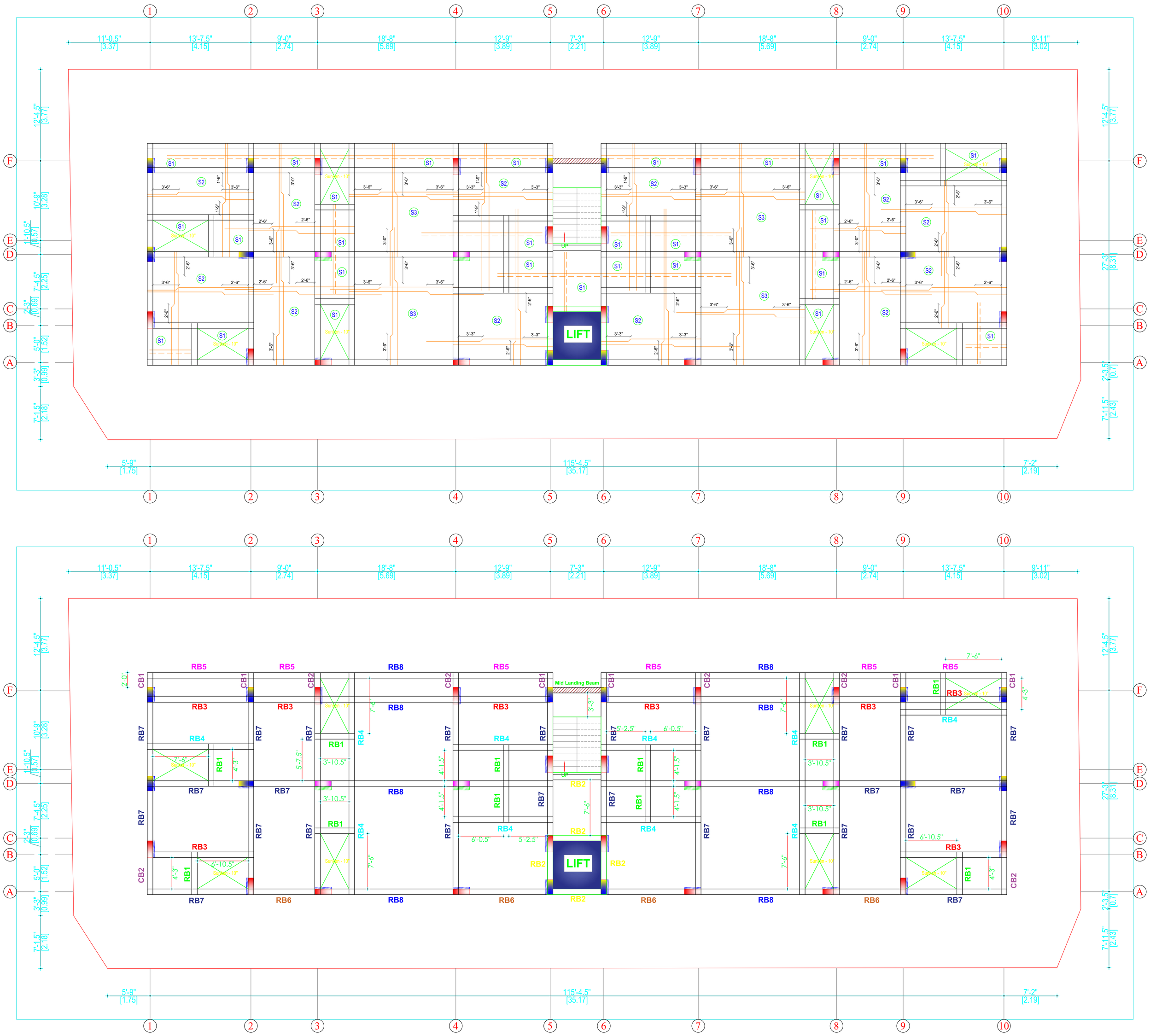
PROJECT :

THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

Date : 02-12-2024

Structural Consultant

SM DESIGN
Civil & Structural Consultant
No: 189, 4th St, Nehru nagar, 13th Main road, Anna nagar, chennai-40.
smdesign1988@gmail.com,
9884423835, 8190892455



Notes:

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C - M30 (Pile, Pliecap & Column)
   Grade of R.C.C - M25 (Roof Beam & Slab)
3. Grade - Fe 500D
4. * Foundation design - Stilt + 5 Floors
   * Pile Depth - 19.0m
   * Pile safe load - 170 TON (600mm Dia)

   Pile load test shall be carried out at site to ensure capacities of pile assumed in design/ provided by geo technical consultant

5. Clear cover to the main steel
   (i) Pile & Pile cap 75mm, Footing -50mm,
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   (iii) Beam -25mm
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6. Lap length - 50 d (Max.dia)
15. Removal of formworks :
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   d. Beams and arches span over 6 m - 21 days
18. Portable drinking water should be used for Complete Structure

SLAB SCHEDULE

SLAB	THK.	SHORT SPAN	LONG SPAN
S1	6"	Top & Bottom 8 @ 5"C/C	Top & Bottom 8 @ 7"C/C
S2	6"	8 @ 4"C/C	8 @ 6"C/C
S3	6"	10 @ 4"C/C	10 @ 5"C/C

TITLE:

Stilt Floor Roof Beam Layout

DRAWING NO: ST - 05

REVISION NO: R-00

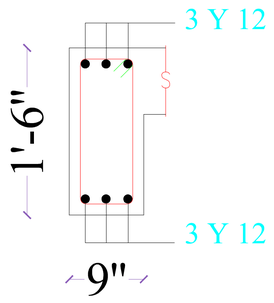
PROJECT :

THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

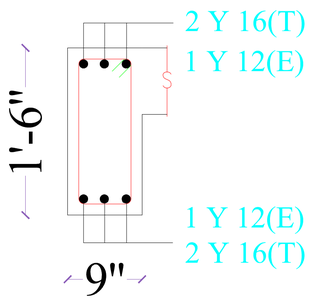
Date : 03-04-2025

STRUCTURAL CONSULTANT

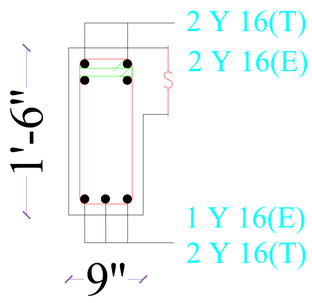
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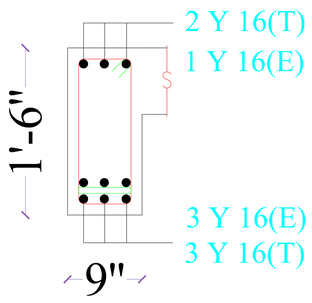
ROOF BEAM - RB1



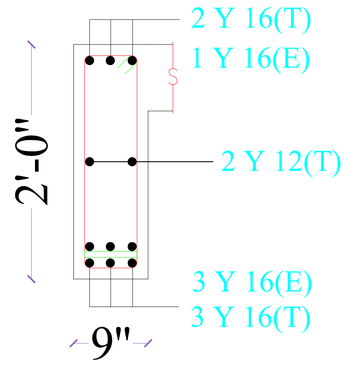
ROOF BEAM - RB2



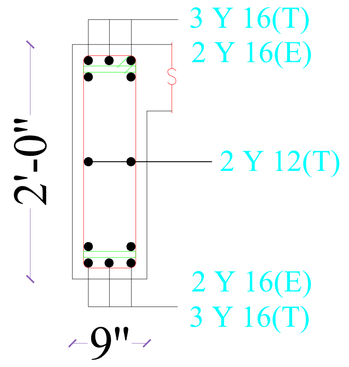
ROOF BEAM - RB3



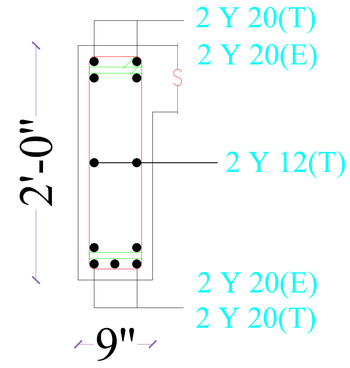
ROOF BEAM - RB4



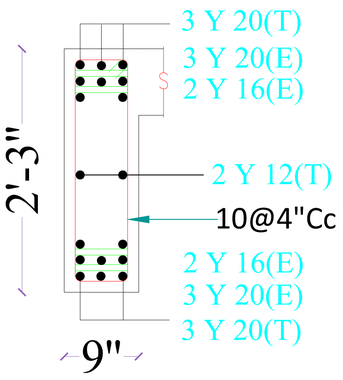
ROOF BEAM - RB5



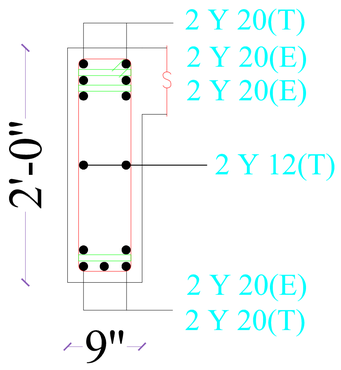
ROOF BEAM - RB6



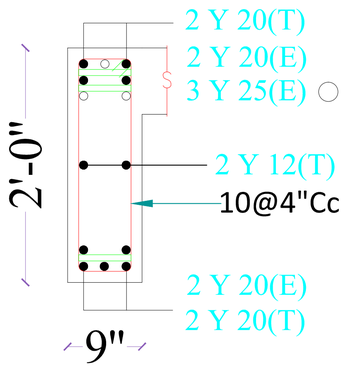
ROOF BEAM - RB7



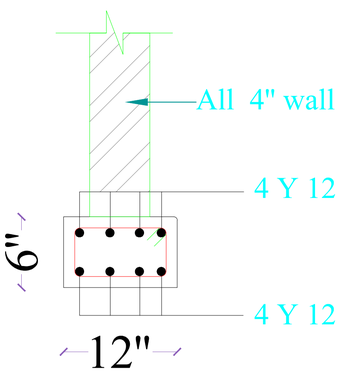
ROOF BEAM - RB8



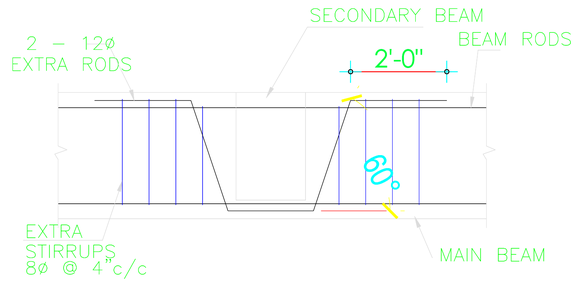
ROOF BEAM - CB1



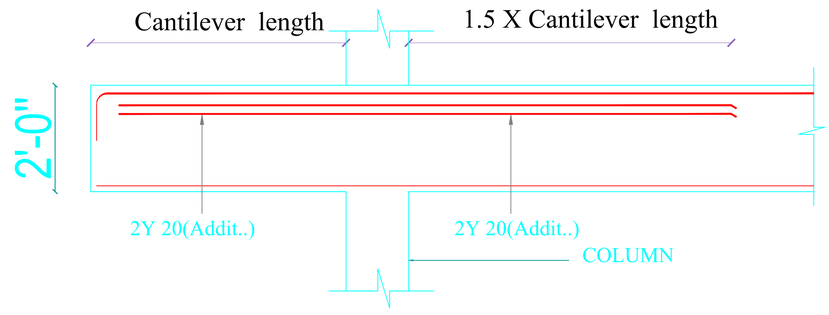
ROOF BEAM - CB2



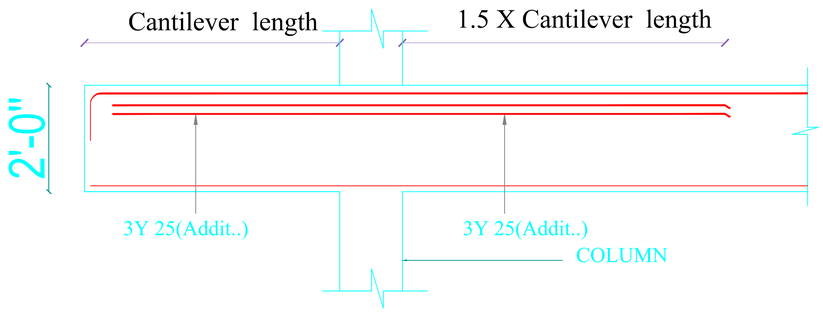
Concealed Beam



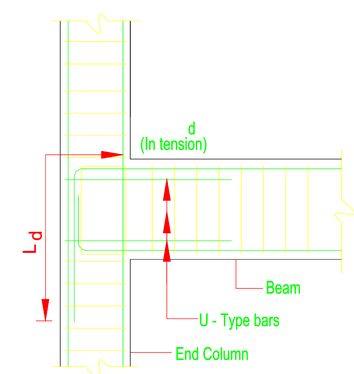
TYP. DETAIL OF SHEAR REINFT.
IN BEAM TO BEAM JUNCTION



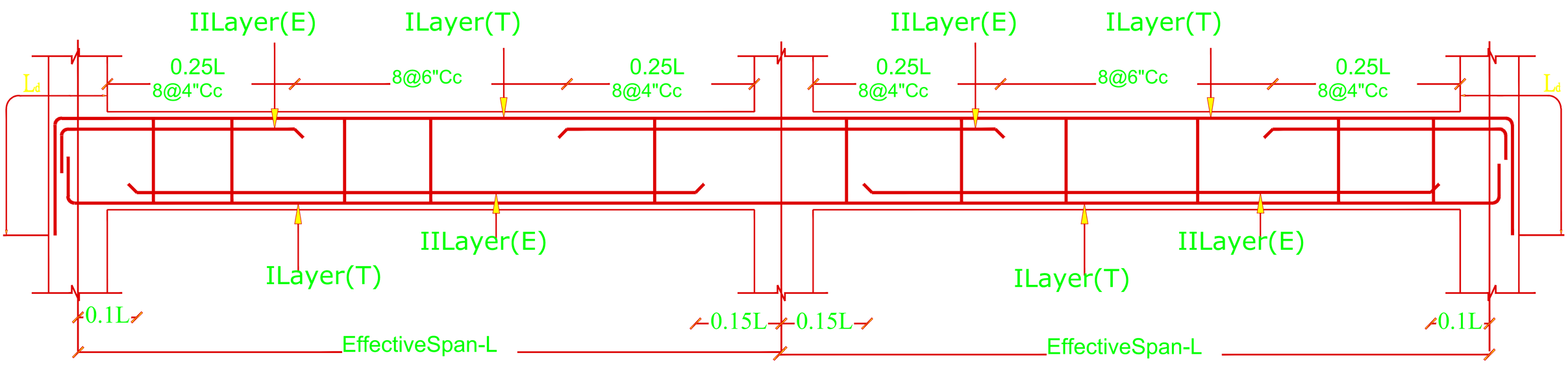
CANTILEVER BEAM - CB1



CANTILEVER BEAM - CB2



TYPICAL DETAIL OF BEAM
- COLUMNJUNCTION AT
EXTERNAL COLUMN



FLOOR ROOF BEAM DETAILS

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TITLE:

Stilt Floor Roof Beam Details

DRAWING NO: ST - 06

REVISION NO: R-00

PROJECT :

THE PROPOSED CONSTRUCTION OF A RESIDENTIAL BUILDING (STILT+5) AT PLOT NO : 21 & 22, COMPRISED IN PATTA NO: 11461, S .NO : 424/3 AND 425/8 GUINDY ENGINEERS COLONY, OKKIYAM THORAIPAKKAM VILLAGE, SHOLINGANALLUR TALUK, CHENNAI.

Date : 03-04-2025

STRUCTURAL CONSULTANT

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9884423835, 8190892455

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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Chennai 600 097, India
hello@verified.realestate
+91 9996 12 9996

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.