Verified RealEstate™

RE REGULATORY RECORD

RERA Document

The document as the regulator published it, reproduced in full behind this page.

Published for reference. The authority's own register is the operative record.

Verified RealEstate™
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai 600 097, India

hello@verified.realestate
+91 9996 12 9996
verified.realestate

DIGITALLY VERIFIED RECORD

S.NAVEENRAJ. M.E (STRUCTURAL)
STRUCTURAL CONSULTANT

#RSK BUILDER
A2 Harthitha Apartment,
Padmavathi Street,
Velacherry -600042,
#mobile: 9842196117
 # Email: naveenrajce@gmail.com

DATE: 09/07/2026

STABILITY CERTIFICATE

(To be furnished while filling application for registration of building)

1. The detailed engineering and structure design of the proposed building comprising of " **Stilt + 3floors with 15 Dwelling Units"** in **Residential Apartment building in SF NO:56/2B9A1 at 46,sankara nagar, Pitchandarkovil village, No 1 Tollgate, Manachanallur union, Manachanallur Taluk, Tiruchirappalli district.** has been done by me/us based on the report of geotechnical investigation (soil test) done by **Time Institute of Materials Testing**, Report No. **TIME/SOIL TEST/JULY 2024**, dated **02.7.2026**, and considering the functional requirements of the building.

2. It is certified that among other factors, the proposed building has been designed to resist earthquake. I/We have checked various parameters and found that the proposed building would be safe.

3. I/We further certify that:

(i) The minimum grade of concrete is **M20**.

(ii) The design and analysis has been done using the code of practice for plain and reinforced concrete as per **IS 456**, design loads as per **IS 875**, and design of earthquake-resistant structure as per **IS 1893**.

4. The building will be safe and sound when used for the purpose for which it is designed.

Encl.: Structural Design Calculation

Er.S.NAVEENRAJ, M.E.,(Struc.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-1/2022/09/011

O/O. THE DISTRICT TOWN & COUNTRY PLANNING OFFICE,
THIRUVALLUR DISTRICT.

No.43/397A, 2nd Floor, Annai Indira Gandhi Road, Rajajipuram Phase-II, Thiruvallur - 602 001.
E-mail : dtcptiruvallur@gmail.com, Phone : 044-29595440.

PROFESSIONAL REGISTRATION CERTIFICATE

This is to certify that Thiru.**S.Naveenraj**, has enrolled as **Structural Engineer Grade-I (RSE)** with the O/o. The District Town and Country Planning, Thiruvallur District who has the qualification of **M.E., (Structural Engineering)** and experience in the relevant field for **6 Years**.

He has been given the Registration No:**TVLR/RSE/Gr-I/2022/09/011** on **02.09.2022**. He Shall be required to comply with the duties and responsibilities prescribed by the Government of Tamil Nadu in Part V, "Registration of Professionals", Tamil Nadu Combined Development and Building Rules, 2019 approved vide **G.O.(Ms).No.18, MAWS (MA.1) Dept., Dated:04.02.2019.**

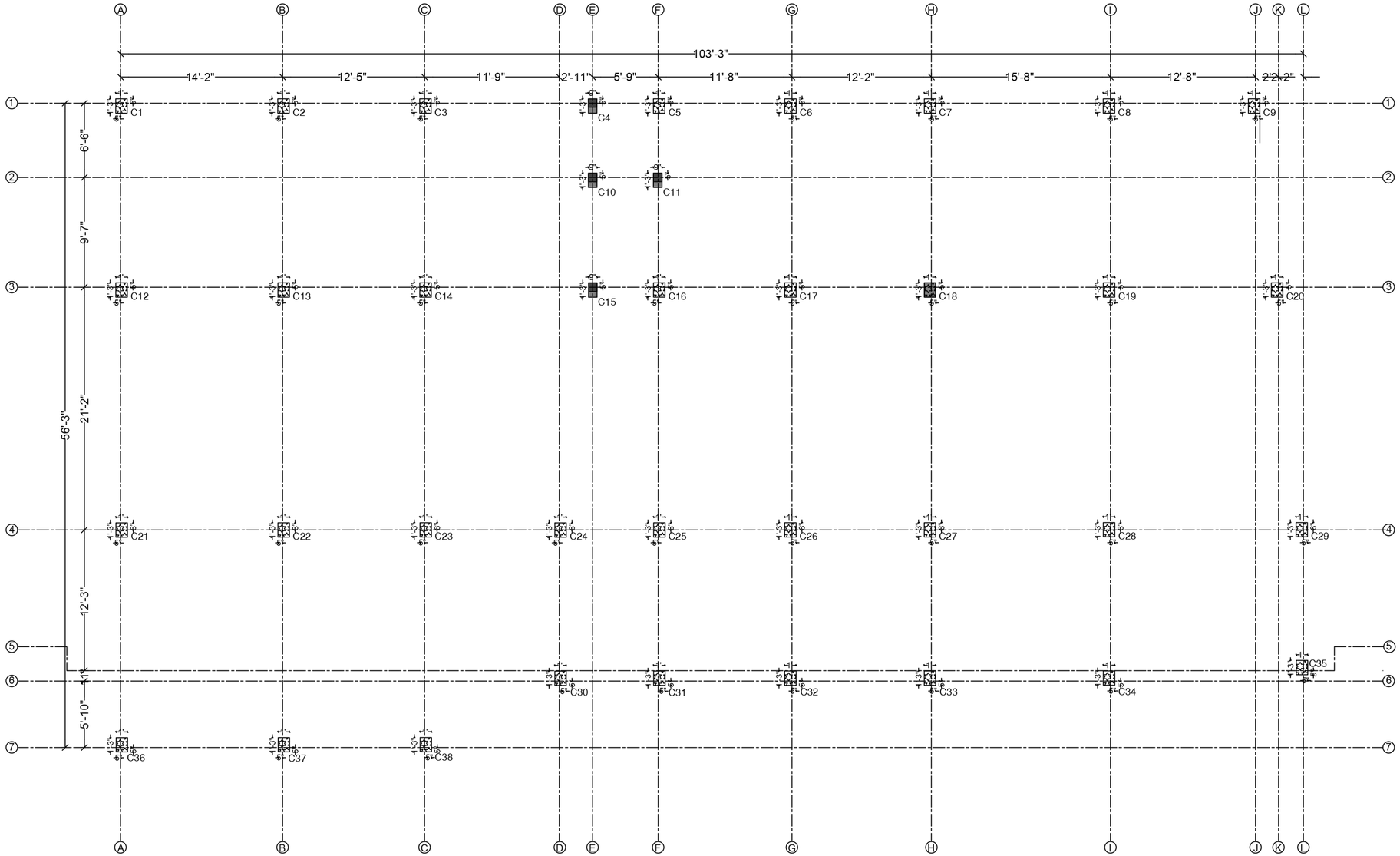
This Registration is valid upto **01.09.2027**.



- 2 SEP 2022

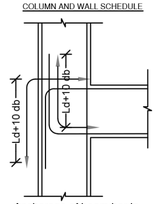
Deputy Director/ Assistant Director (i/c),
District Town & Country Planning Office,
Thiruvallur District.

2/9/22



COLUMN MARK		
FOUNDATION TO TERRACE	M20 : Fe500 : COVER = 1"	M20 : Fe500 : COVER = 1"
	LINKS Y8 @ 7	LINKS Y8 @ 10
	8-Y12	10-Y16
COLUMN NUMBERS	C4, C10, C11, C15	C1-C3, C5-C9, C12-14, C16-C38

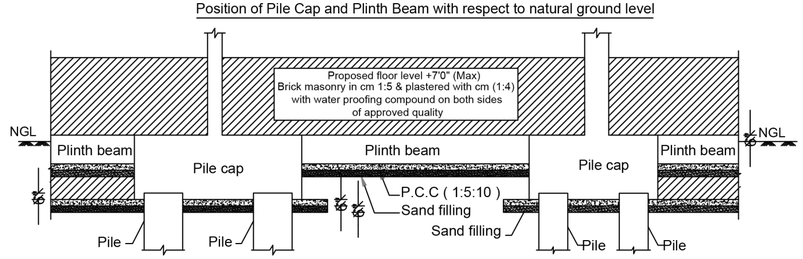
COLUMN AND WALL SCHEDULE



Anchorage of beam bar in exterior columns

Ld =	Development length
Db =	Dia of bar

Position of Pile Cap and Plinth Beam with respect to natural ground level



Structural Details Of Proposed Residential Apartment Building

Column Layout & Details

Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500. Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2", Beam & Column - 1" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.

9A. The foundation and column are designed for Stilt + 3 Floors

10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

Date	No	Description

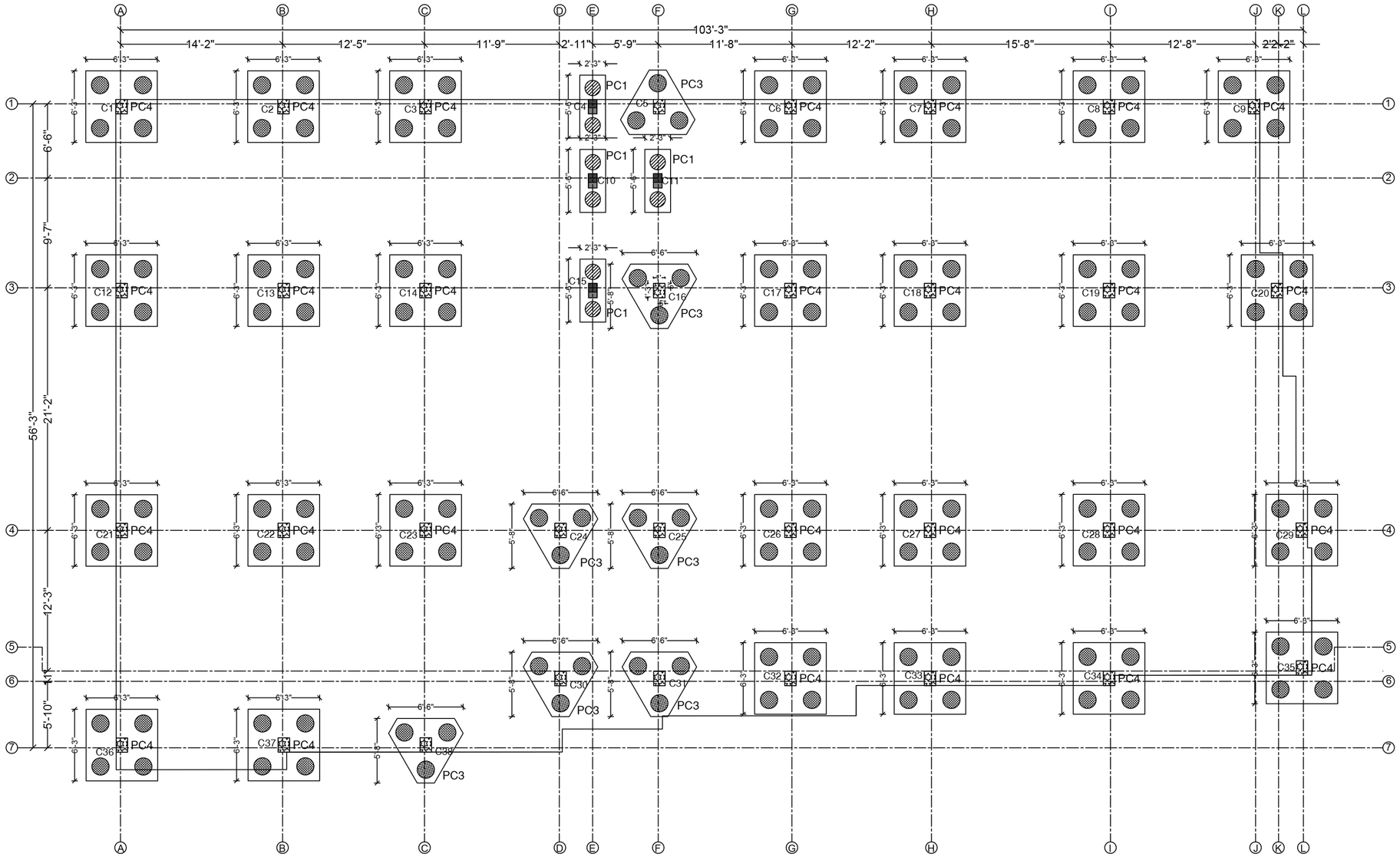
Revisions

Structural Consultant :

Er.S.NAVEENRAJ,M.E,(Strue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-I/2022/09/011
Er.S.Naveenraj, M.E, (Structural)

Structural Details Of Proposed Residential Apartment Building

Pile Layout



Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.
9A. The foundation and column are designed for Stilt + 3 Floors
10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

Date	No	Description

Revisions

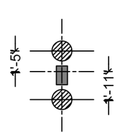
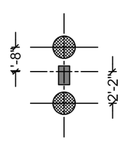
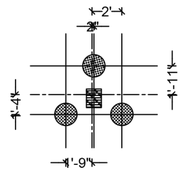
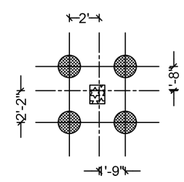
Structural Consultant :

Er.S.NAVEENRAJ,M.E,(Stnue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-I/2022/09/011

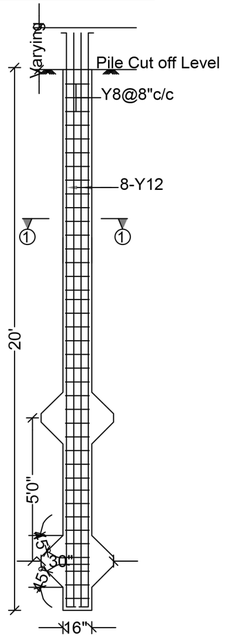
Er.S.Naveenraj, M.E, (Structural)

PILE SIZE

	16" Ø
	18" Ø

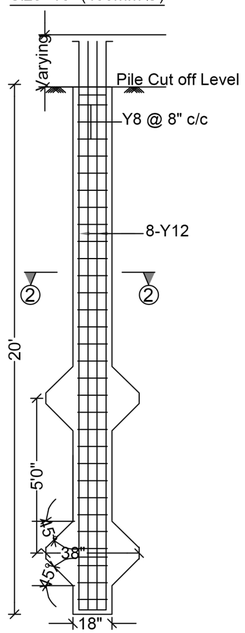
C4, C10, C11, C15	-	C5,C16,C24,C25,C30,C31,C38	C1-C3,C6-C9,C12-C14,C17-23,C26-C29,C32-C37
			
PC1	PC2	PC3	PC4

Under Reamed Pile Details. (P1), Size -16" (400mm Ø)



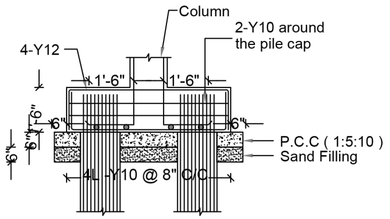
TYPICAL L.S.OF 16"Ø(400mm) PILE (P1)

Under Reamed Pile Details. (P2), Size -18" (450mm Ø)

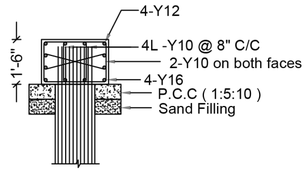


TYPICAL L.S.OF 18"Ø(450mm) PILE (P2)

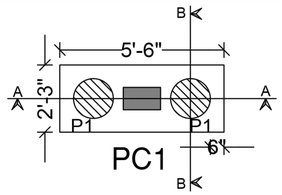
Pile Cap Type No - 1, (PC1).



Section on " A - A "

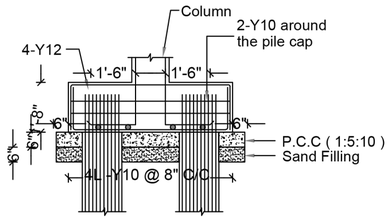


Section on " B - B " (Size 27" X 18")

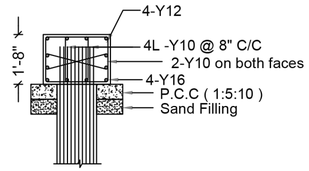


Plan

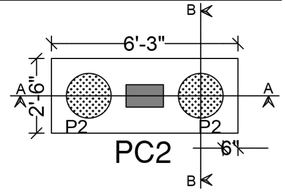
Pile Cap Type No - 2, (PC2)



Section on " A - A "

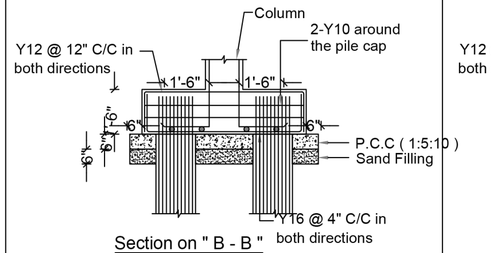


Section on " B - B " (Size 30" X 20")

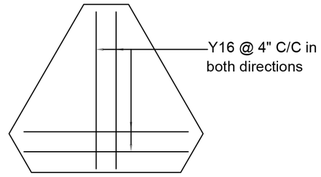


Plan

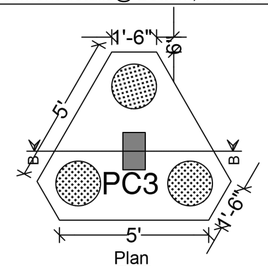
Pile Cap Type No - 3 (PC3)



Section on " B - B "

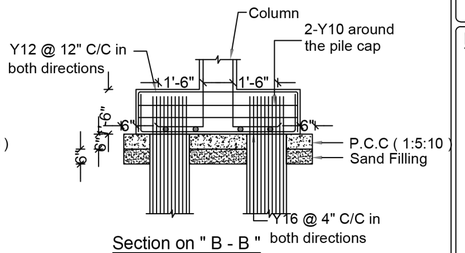


Reinforcement details@ Bottom, Thickness - 18"

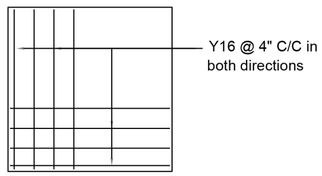


Plan

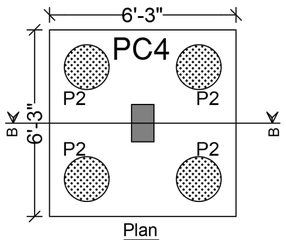
Pile Cap Type No - 4, (PC4)



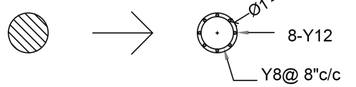
Section on " B - B "



Reinforcement details@ Bottom, Thickness - 18"

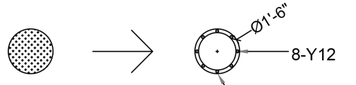


Plan



P1

SEC. 1-1



P2

SEC. 2-2

Pile Cap Details

PILE CAP MARK	COLUMN MARK	PILES	DIMENSIONS			REINFORCEMENT				SFR
			L	B	D	BOTTOM		TOP		
						ALONG L	ALONG B	ALONG L	ALONG B	
PC1	C4, C10, C11, C15	2-16 DIA	5' 6"	2' 3"	18"	4-Y16	-	4-Y12	-	2-Y10
PC2	-	2-18 DIA	6' 3"	2' 6"	20"	4-Y16	-	4-Y12	-	2-Y10
PC3	C5,C16,C24,C25, C30,C31,C38	3-18 DIA	6' 6"	5' 7 1/2"	18"	Y16@4 C/C	Y16@4 C/C	Y12@12 C/C	Y12@12 C/C	2-Y10
PC4	C1-C3,C6-C9,C12-C14, C17-23,C26-C29,C32-C37	4-18 DIA	6' 3"	6' 3"	18"	Y16@4 C/C	Y16@4 C/C	Y12@12 C/C	Y12@12 C/C	2-Y10

Structural Details Of Proposed Residential Apartment Building

Pile Details

Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500. Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2", Beam & Column - 1" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.
9A. The foundation and column are designed for Stilt + 3 Floors
10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

Date	No	Description

Revisions

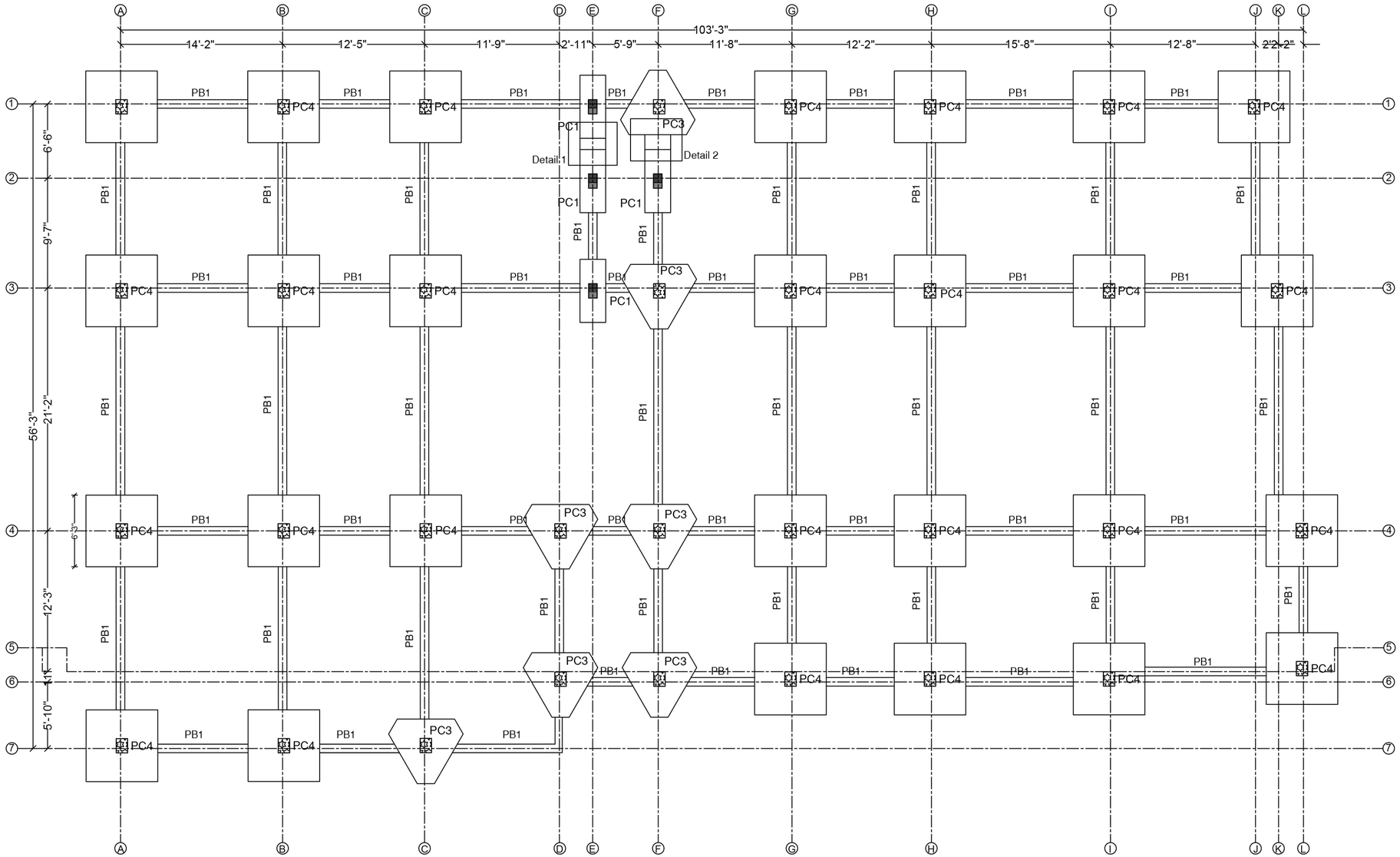
Structural Consultant :

Er.S.NAVEENRAJ,M.E,(Stnue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-1/2022/09/011

Er.S.Naveenraj, M.E, (Structural)

Structural Details Of Proposed Residential Apartment Building

Plinth Beam Layout & Details



Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.

9A. The foundation and column are designed for Stilt + 3 Floors

10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2 Scale : N.T.S

Date	No	Description

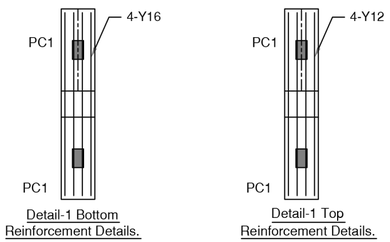
Revisions

Structural Consultant :

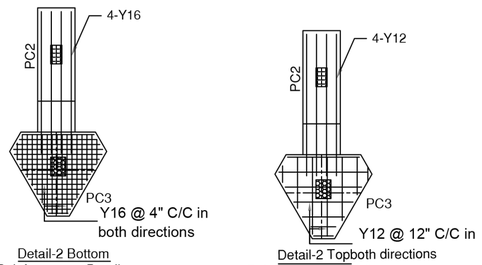
Er.S.NAVEENRAJ,M.E.,(Struc.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-I/2022/09/011

Er.S.Naveenraj, M.E, (Structural)

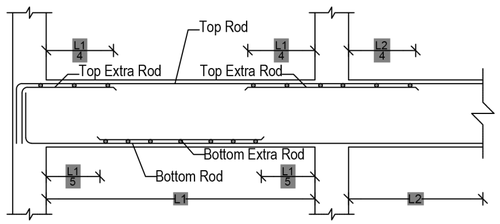
Detail 1



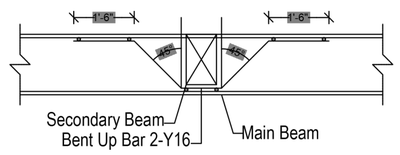
Detail 2



Typical Longitudinal Section



At the Junction of Main Beam and Secondary Beams the Detail should be Followed as Given Below



Lintel beams details

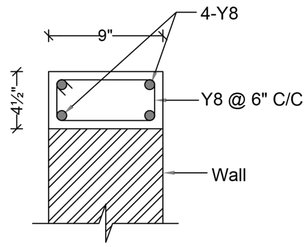
Beam No	Opening Length L	Min. Bearing Width A	Beam Size		Reinforcement Details			
			Width B	Depth D	Bottom	Top	Cranked	Stirrups
Lintel over 9" wall		6"	9"	6"	2-Y10	2-Y10	—	Y8 @ 6"C/C
LB1	up to 4'	6"	9"	6"	2-Y10	2-Y10	1-Y10	Y8 @ 6"C/C
LB2	> 4' to 6'	8"	9"	6"	2-Y10	2-Y10	1-Y12	Y8 @ 6"C/C
LB3	> 6' to 8'	9"	9"	9"	2-Y12	2-Y10	1-Y12	Y8 @ 6"C/C
LB4	> 8' to 10'	9"	9"	12"	2-Y12	2-Y12	1-Y12	Y8 @ 6"C/C

Lintel beam details for partition wall

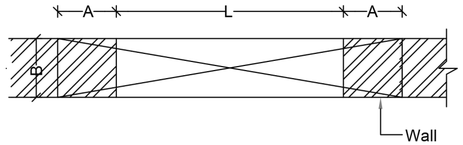
Beam no	Opening length L	Min. bearing width A	Beam size		Reinforcement Details		
			Width B	Depth D	Bottom	Top	Stirrups
LB5	up to 4'	9"	4½"	6"	2-Y10	2-Y10	Y8 @ 6"C/C
LB6	> 4' to 6'	9"	4½"	8"	2-Y12	2-Y10	Y8 @ 6"C/C

Sunshade details

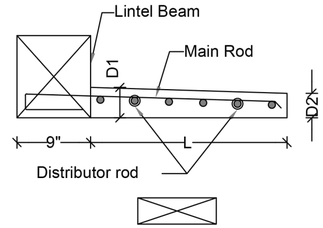
Type	Sunshade Width	Thickness		Reinforcement Details	
	L	D1	D2	Main rod	Dist
I	Up to 2'	4"	3"	Y8 @ 6"C/C	Y8 @ 6"C/C
II	Above 2' to 3'	4"	3"	Y10 @ 6"C/C	Y8 @ 6"C/C
III	Above 3' to 4'	6"	3"	Y10 @ 4"C/C	Y8 @ 6"C/C



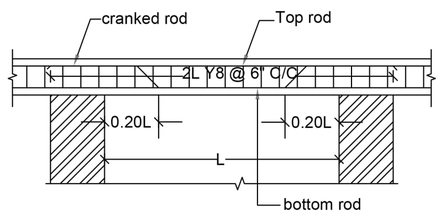
Typ. Detail of Sill Beam



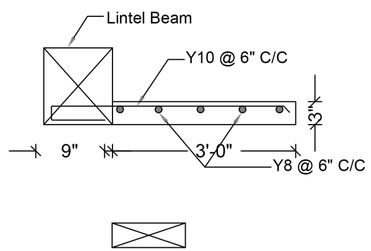
Typ. Lintel Beam Layout



Sunshade details



Typical lintel beam details



Loft details up to 3'-0"over hang

Structural Details Of Proposed Residential Apartment Building

Lintel Beam & Sunshade Details

Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.
9A. The foundation and column are designed for Stilt + 3 Floors
10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

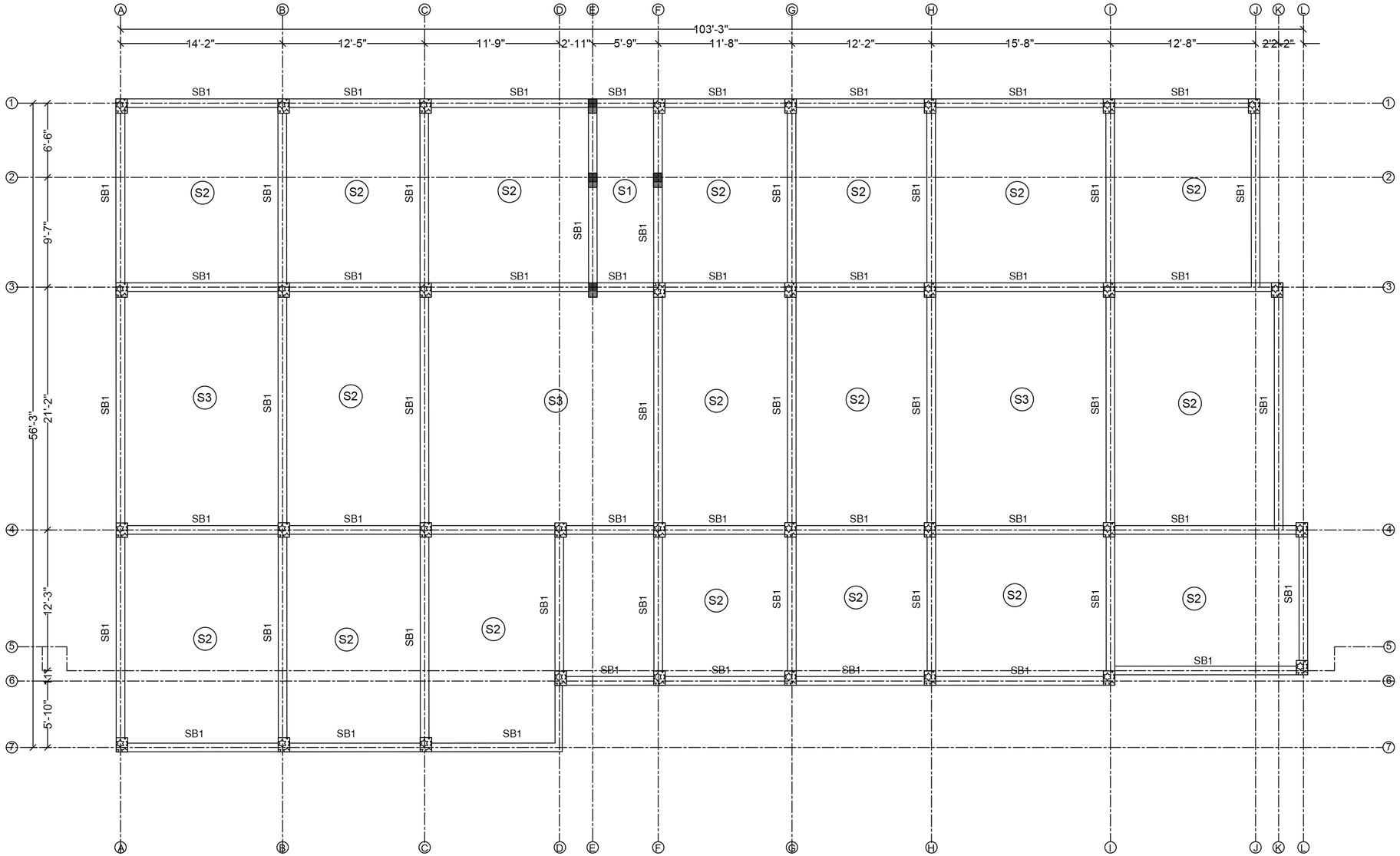
Date	No	Description

Revisions

Structural Consultant :

Er.S.NAVEENRAJ,M.E.,(Stnue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-I/2022/09/011

Er.S.Naveenraj, M.E, (Structural)



Structural Details Of Proposed Residential Apartment Building

Stilt Floor Roof Beam and Slab Layout & Details

Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.

9A. The foundation and column are designed for Stilt + 3 Floors

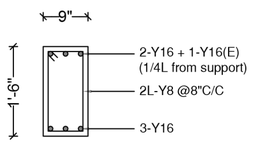
10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

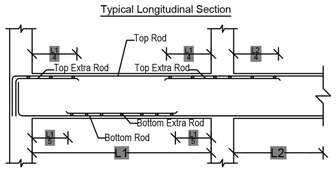
Drg file : E
Paper : A2
Scale : N.T.S

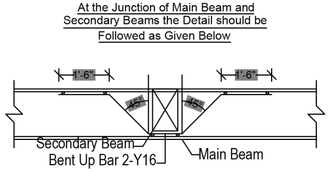
Date	No	Description

Revisions

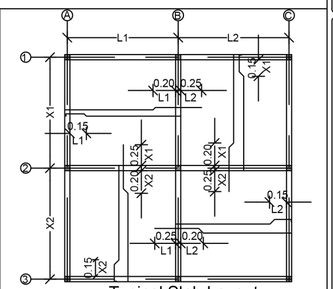


SB1





S.NO	MAIN REINFORCEMENT		EXTRA TOP RODS		THK	DESCRIPTION
	SHORT SPAN	LONG SPAN	SHORT SPAN	LONG SPAN		
S1	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	-	6"	ONE WAY
S2	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	6"	TWO WAY
S3	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	6"	TWO WAY



Typical Slab Layout

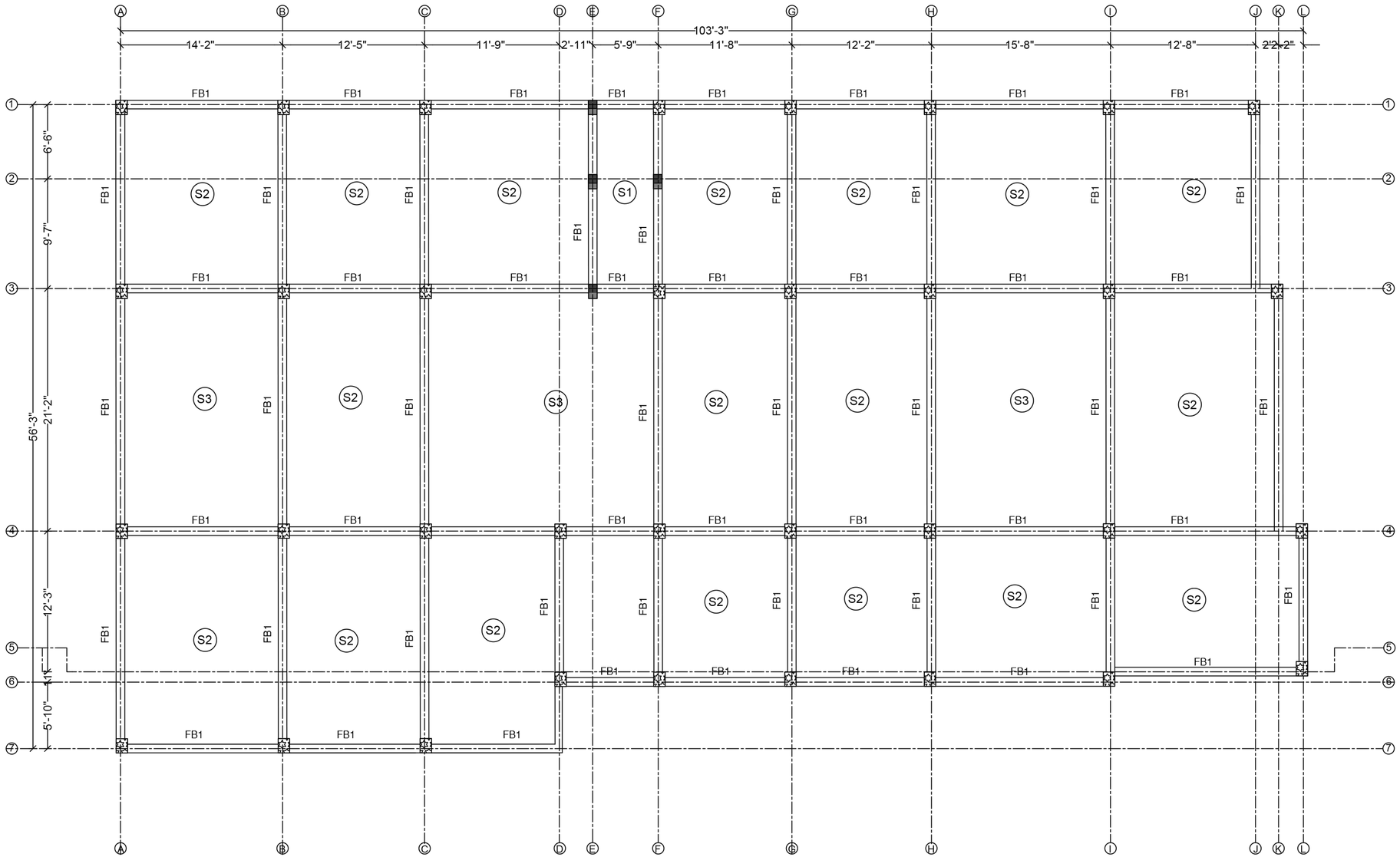
Structural Consultant :

Er.S.NAVEENRAJ,M.E,(Struc.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-I/2022/09/011

Er.S.Naveenraj, M.E, (Structural)

Structural Details Of Proposed Residential Apartment Building

First Floor Roof Beam and Slab Layout & Details



Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.

9A. The foundation and column are designed for Stilt + 3 Floors

10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

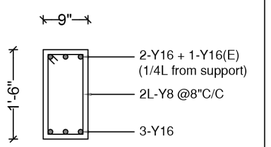
Date	No	Description

Revisions

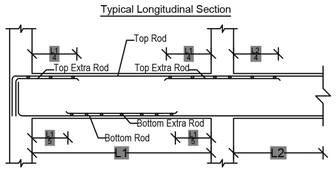
Structural Consultant :

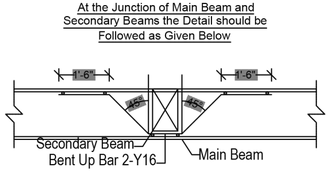
Er.S.NAVEENRAJ,M.E,(Strue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-I/2022/09/011

Er.S.Naveenraj, M.E, (Structural)

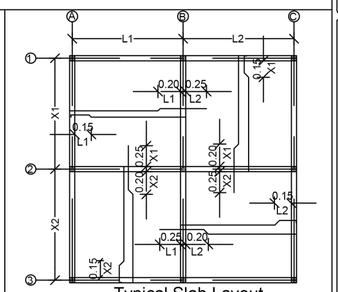


FB1





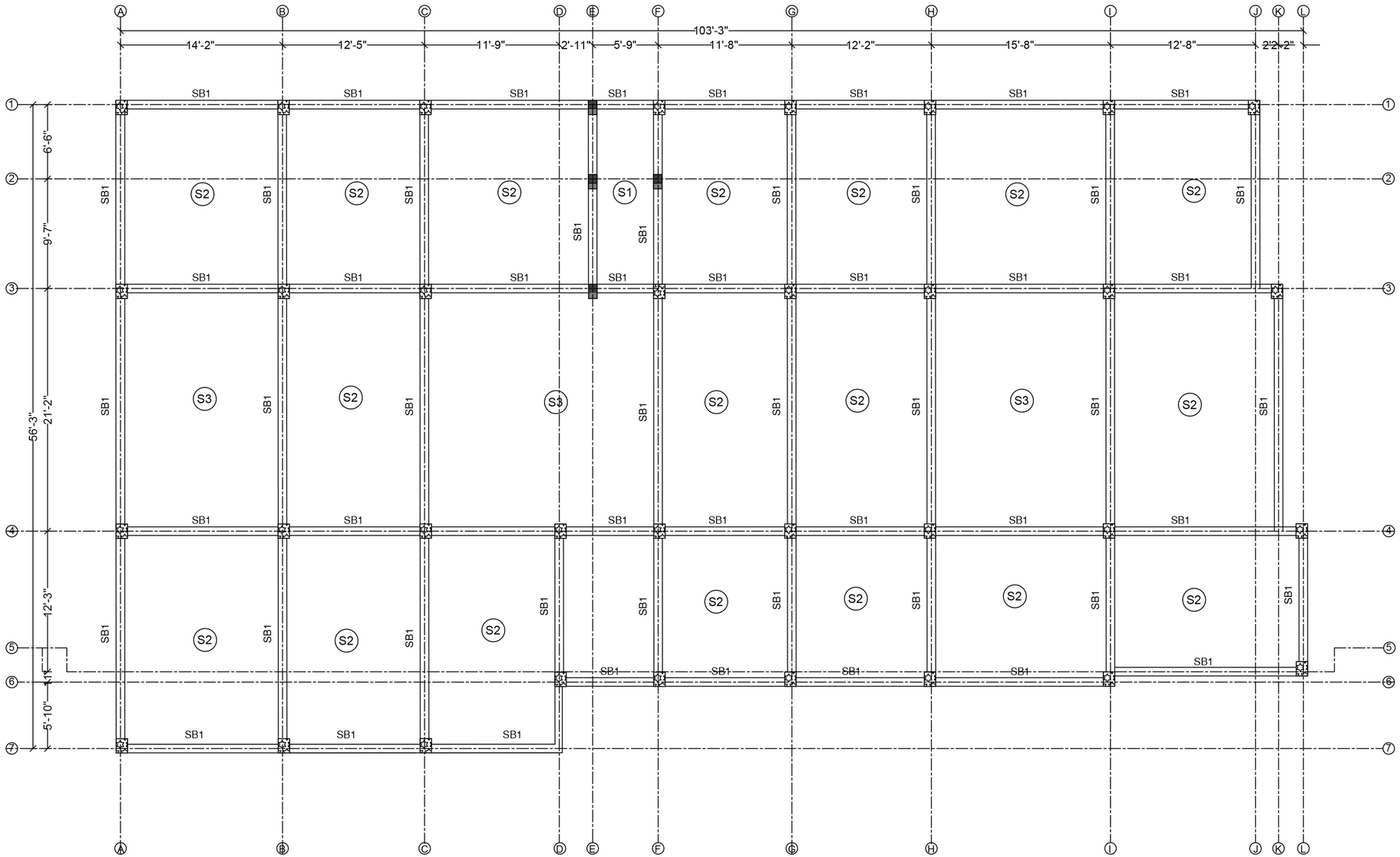
S.NO	MAIN REINFORCEMENT		EXTRA TOP RODS		THK	DESCRIPTION
	SHORT SPAN	LONG SPAN	SHORT SPAN	LONG SPAN		
S1	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	-	6"	ONE WAY
S2	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	6"	TWO WAY
S3	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	6"	TWO WAY



Typical Slab Layout

Structural Details Of Proposed Residential Apartment Building

Second Floor Roof Beam and Slab Layout & Details



Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.

9A. The foundation and column are designed for Stilt + 3 Floors

10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

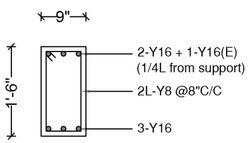
Date	No	Description

Revisions

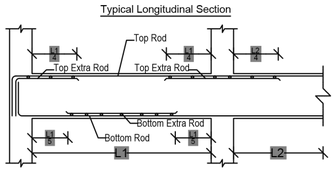
Structural Consultant :

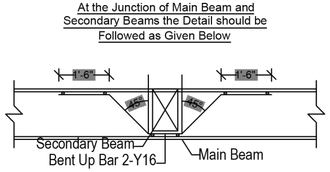
Er.S.NAVEENRAJ,M.E.,(Strue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-1/2022/09/011

Er.S.Naveenraj, M.E, (Structural)

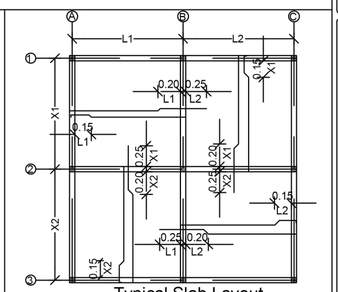


SB1





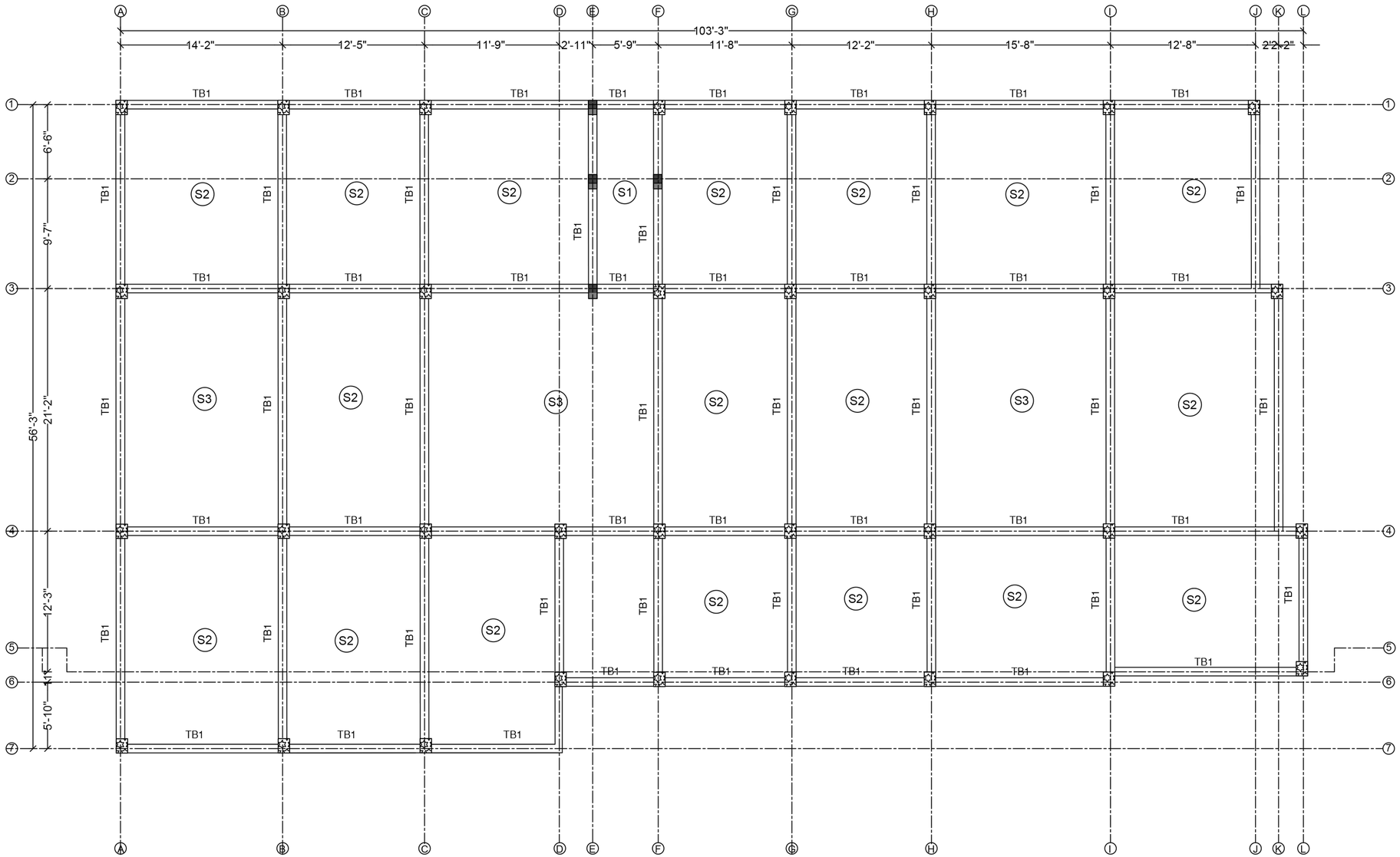
S.NO	MAIN REINFORCEMENT		EXTRA TOP RODS		THK	DESCRIPTION
	SHORT SPAN	LONG SPAN	SHORT SPAN	LONG SPAN		
S1	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	-	6"	ONE WAY
S2	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	6"	TWO WAY
S3	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	6"	TWO WAY



Typical Slab Layout

Structural Details Of Proposed Residential Apartment Building

Third Floor or Terrace Floor Roof Beam and Slab Layout & Details



Notes :

1. All dimensions are in foot & inches.
2. Concrete grade : M 20 .
3. Steel grade : Fe 500.
   Confirming Is 1786 - 1985 To be used
4. Clear cover : Pile - 3", Pile cap - 2",
   Beam & Column - 1½" & Slab - 1"
5. Lap length
   Compression (Column) : 45 Ø
   Tension (Beam & Slab) : 56 Ø
6. Depth of foundation Should be at length of pile 20' from natural ground level .
7. The centerline column should be coincide with center line of footing.
8. The bottom of plinth beam at least 6" below the natural ground level.
9. Load carrying capacity of piles is referred from Geo techincal investigation report of Time institute @ Trichy.
9A. The foundation and column are designed for Stilt + 3 Floors
10. This structure analyzed & Designed for all possible dead loads & live loads only.
11. Do not scale this drawing and follow architectural drawing dimensions only.
12. No.changes shall be made without the concern of the structural consultant.
13. The position & size of duct beams,please refer architectural drawing.
14. Spacer rods (Y25) should be placed at 3' intervals.

Drawn by : N.Ashwin
Checked by : T.Raam Aravindh

Drg file : E
Paper : A2
Scale : N.T.S

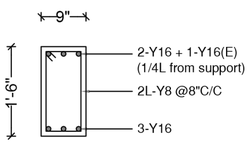
Date	No	Description

Revisions

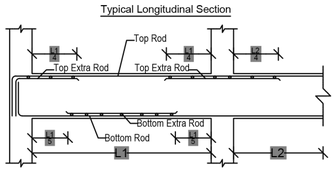
Structural Consultant :

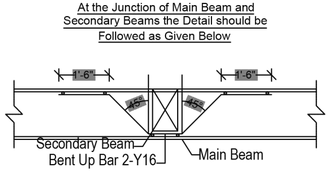
Er.S.NAVEENRAJ,M.E.,(Stnue.),
Registered Structural Engineer Grade-I
(TVLR/RSE/GR-1/2022/09/011

Er.S.Naveenraj, M.E, (Structural)

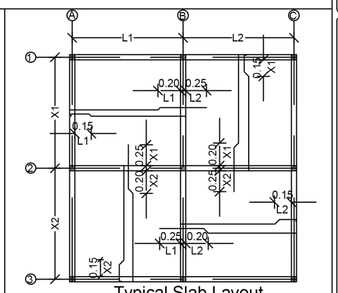


TB1





S.NO	MAIN REINFORCEMENT		EXTRA TOP RODS		THK	DESCRIPTION
	SHORT SPAN	LONG SPAN	SHORT SPAN	LONG SPAN		
S1	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	-	6"	ONE WAY
S2	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	Y10 @ 7"C/C	6"	TWO WAY
S3	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	Y10 @ 6"C/C	6"	TWO WAY



Typical Slab Layout

THE LANDLENS SUITE

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

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

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

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

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

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

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

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

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

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

FREE TOOLS · NO ACCOUNT NEEDED

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

Records and verification

The registers themselves, read for you.

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

Value and duty

What it is worth and what it costs to register.

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

Zoning and land use

What the plan says can happen on this land.

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

Registers and directories

Who holds it, and which office keeps the record.

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

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

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

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

Verified RealEstate
3/350/2 Mettukuppam,
OMR Thoraipakkam,
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.