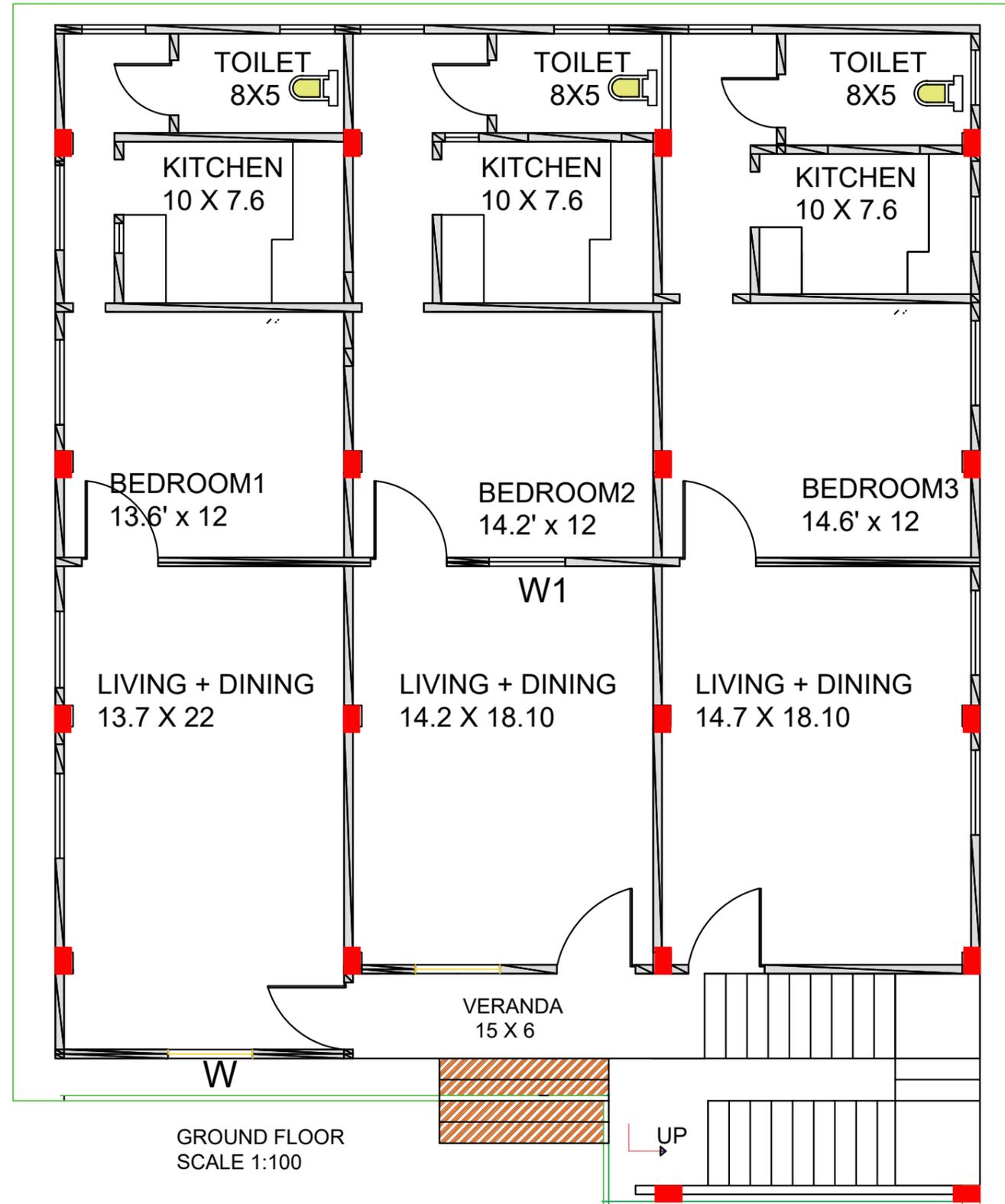


Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar

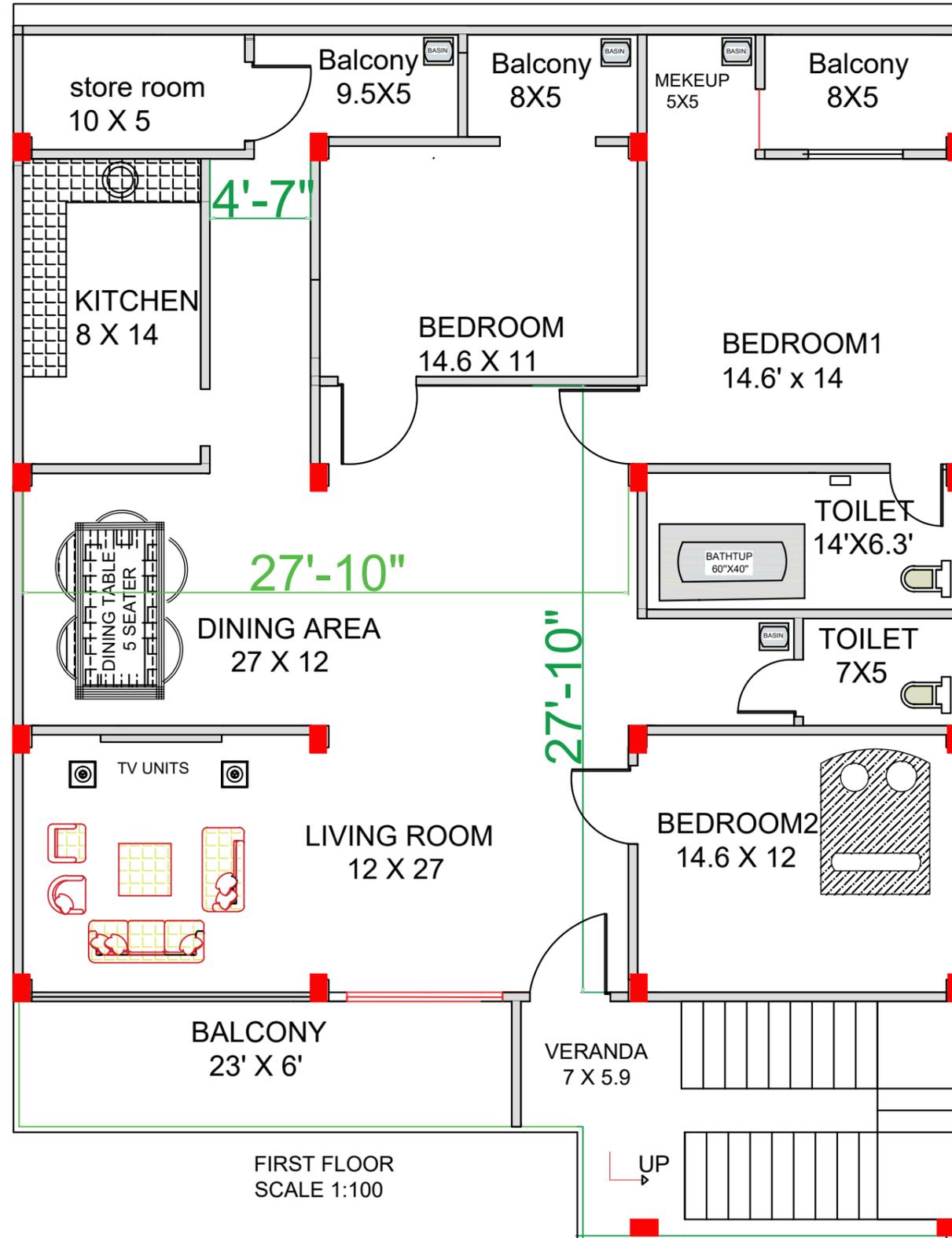


GROUND FLOOR PLAN

Construction by
MB FORMATION

Structural design by
D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar

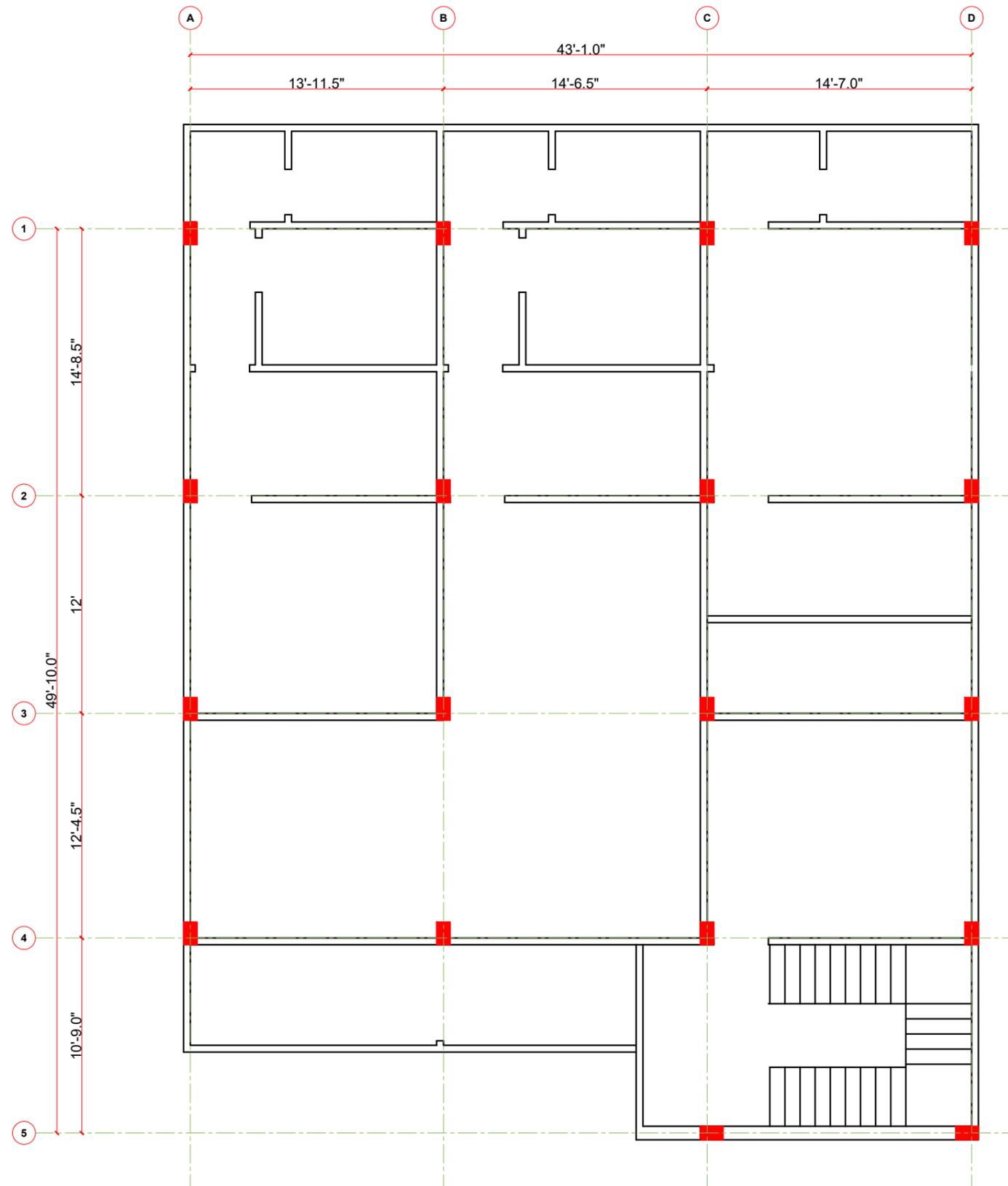


FIRST FLOOR PLAN

Construction by
MB FORMATION

Structural design by
D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

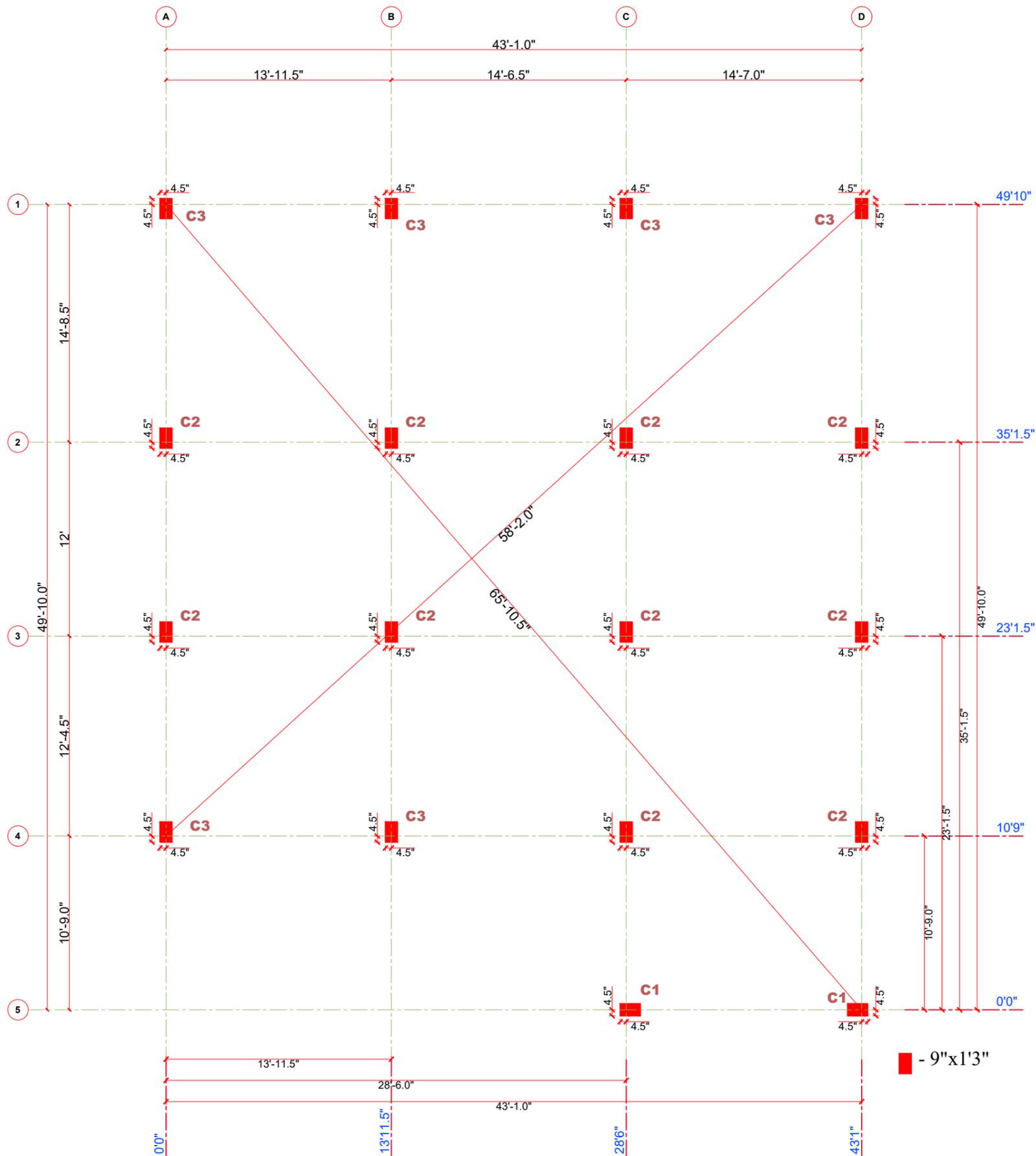
Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar



COLUMN LAYOUT

Construction by
MB FORMATION

Structural design by
D. MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

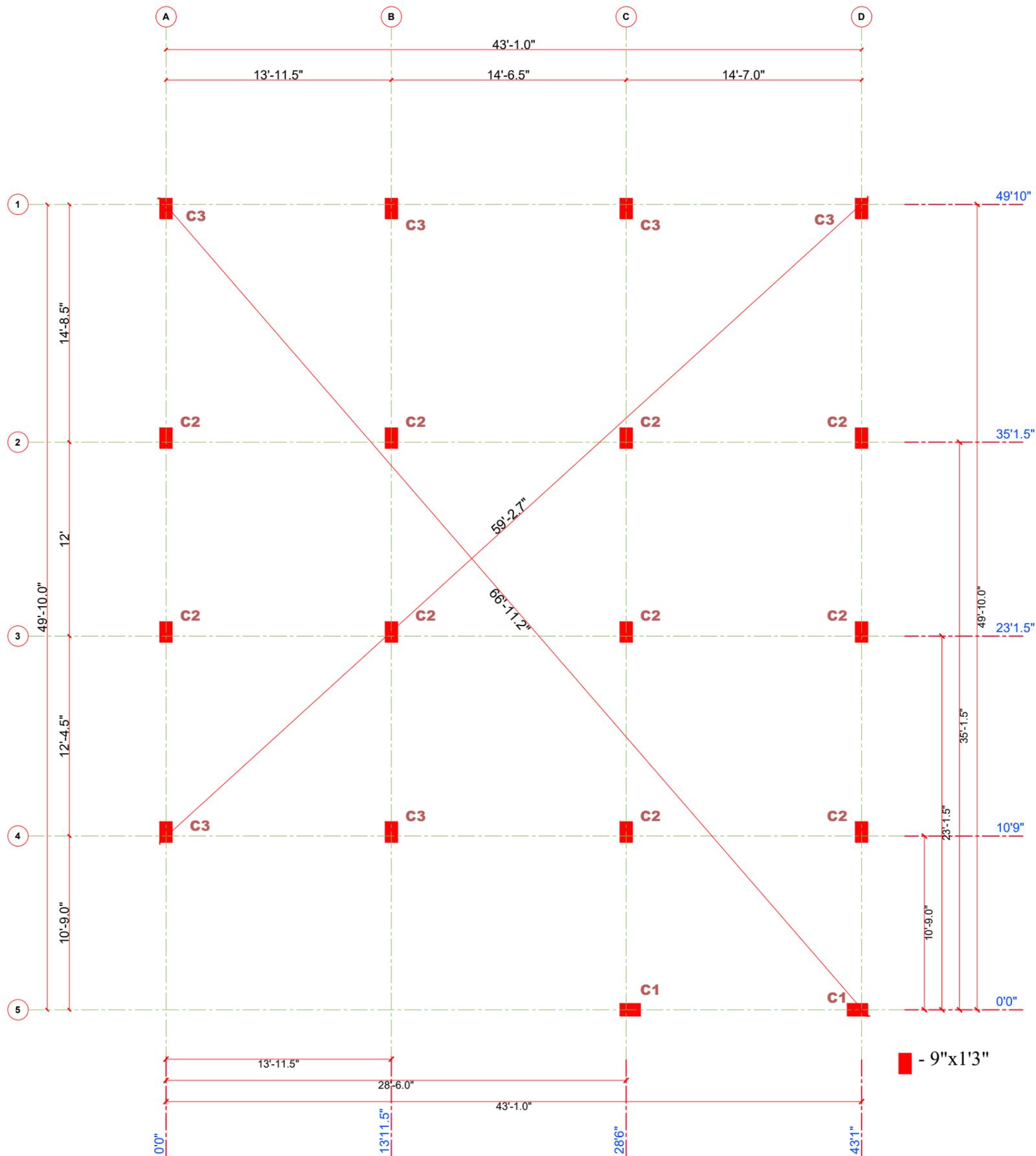


Project Detail :
 Proposed Residential Building For
 Mr.Devojit khonikar

CENTER LINE PLAN

Construction by
 MB FORMATION

Structural design by
 D.MAHENDRAN
 1Z/11, PANTHAL KALIYAMMAN STREET,
 ANNATHANA PATTI,
 SALEM-02.



Project Detail :

Proposed Residential Building For Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- C - Column

Notes:

1. All dimensions are in 'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
 - Column reinforcement - **1 1/2" (40mm)**
 - Footing reinforcement - **2" (50mm)**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

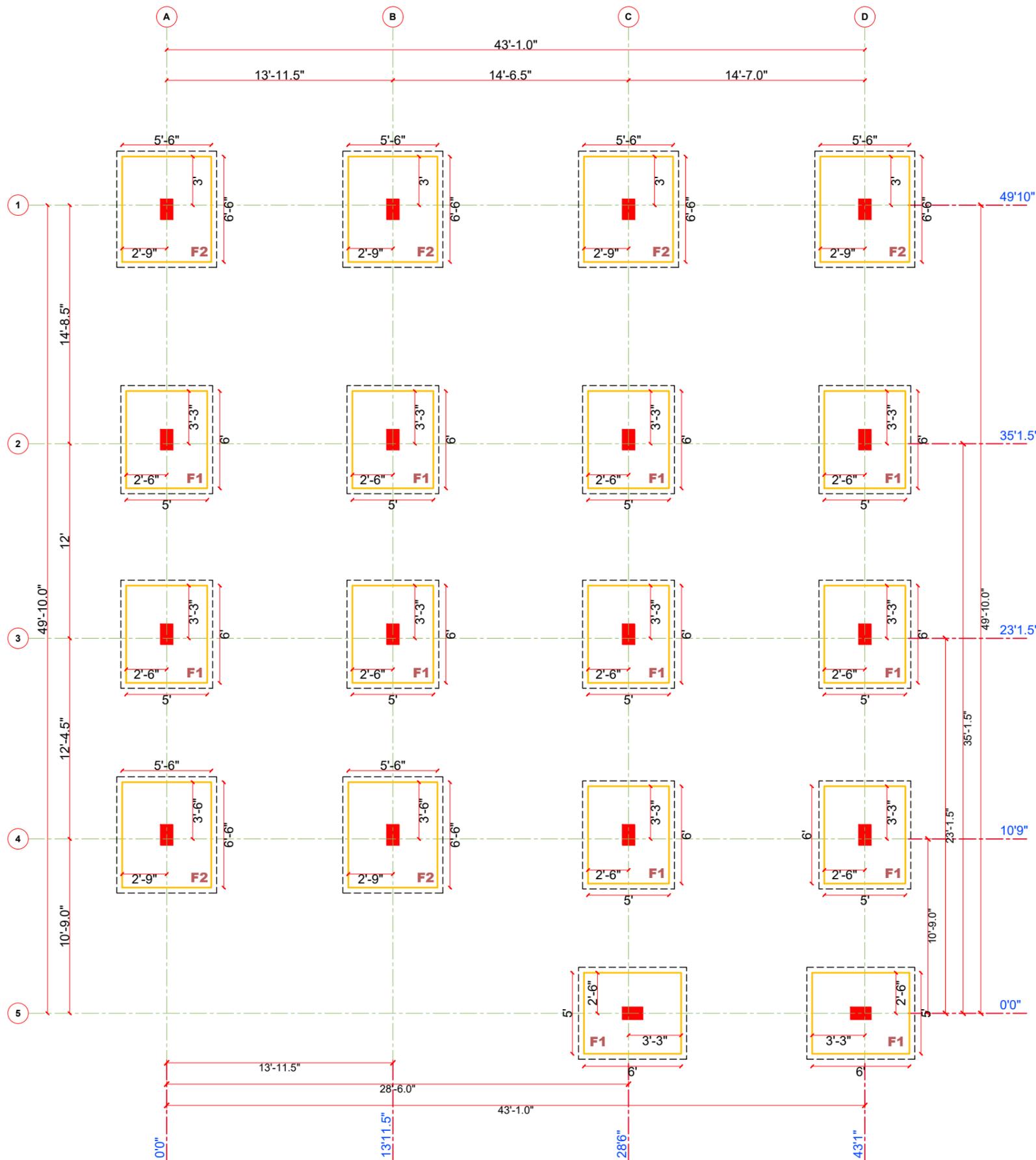
COLUMN MARKING

Construction by

MB FORMATION

Structural design by

D.MAHENDRAN
 1Z/11, PANTHAL KALIYAMMAN STREET,
 ANNATHANA PATTI,
 SALEM-02.



Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar

Legend :
 c/c - Centre to Centre
 C - Column
 F - Isolated Footing
 R.C.C- Reinforced Cement Concrete
 P.C.C- Plain Cement Concre

- Notes:**
- All dimensions are in 'Feet & Inches' unless otherwise noted.
 - All Grids are C/C of wall
 - Wherever applicable, this drawing must be read along with the relevant architectural drawings.
 - Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
 - 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
 - Clear cover for
 Column reinforcement - **1 1/2" (40mm)**
 Footing reinforcement - **2" (50mm)**
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - P.C.C **4"** Thk.

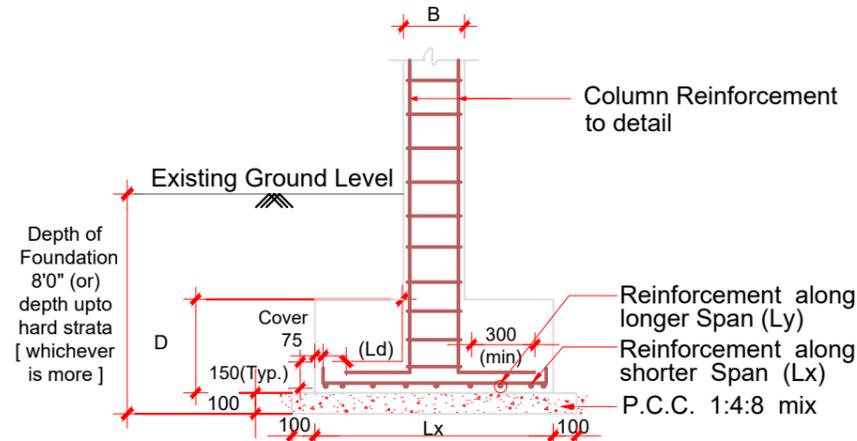
FOOTING LAYOUT

Construction by
MB FORMATION

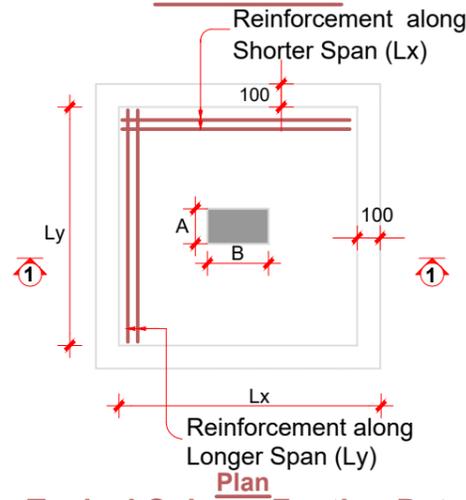
Structural design by
D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

FOOTING REINFORCEMENT DETAIL

S.No	No.of Footings	Footing Type	Footing Size (Lx x Ly) (m)	Footing Depth (D) (m)	Footing Reinforcement detail (Bottom)		Footing Reinforcement detail (Top)	
					Along Shorter Span (Lx) (mm)	Along Longer Span (Ly) (mm)	Along Shorter Span (Lx) (mm)	Along Longer Span (Ly) (mm)
1.	12	F1	5'0" X 6'0"	24"	Y12 @ 5"c/c	Y12 @ 5"c/c	-	-
2.	6	F2	5'6" X 6'6"	24"	Y12 @ 5"c/c	Y12 @ 5"c/c	-	-

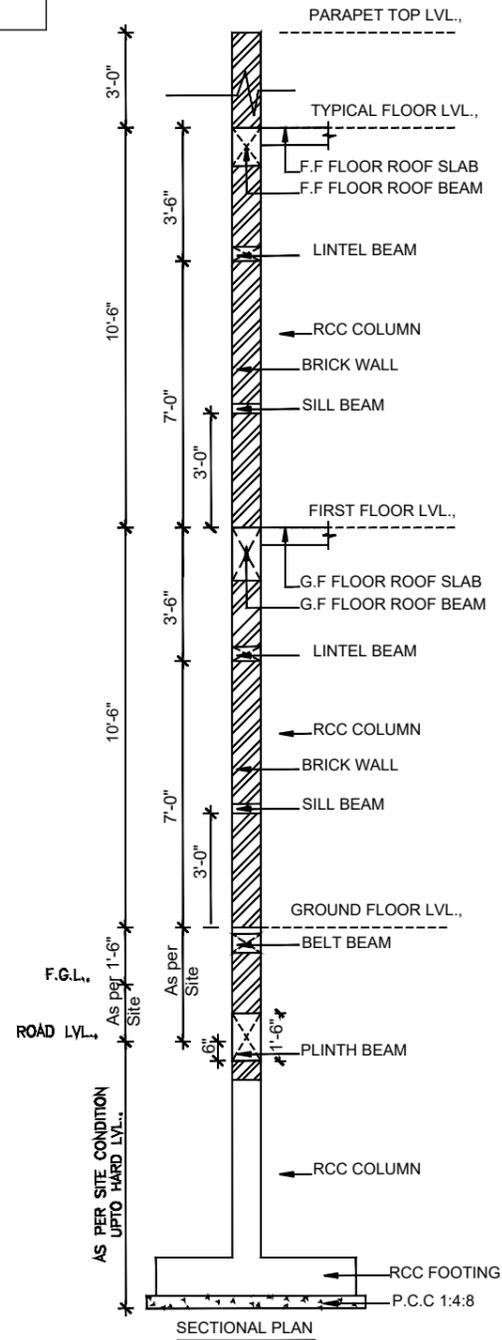


Section 1 - 1



Typical Column Footing Detail-1

Scale :- NTS



COLUMN DETAILS

Project Detail :

Proposed Residential Building For Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- C - Column
- F - Isolated Footing
- R.C.C- Reinforced Cement Concrete
- P.C.C- Plain Cement Concre

Notes:

1. All dimensions are in'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
Column reinforcement - **1 1/2" (40mm)**
Footing reinforcement - **2" (50mm)**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

FOOTING REINFORCEMENT DETAILS

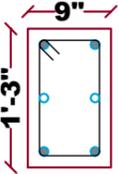
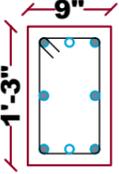
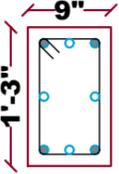
Construction by

MB FORMATION

Structural design by

D.MAHENDRAN
12/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

COLUMN REINFORCEMENT DETAIL

Sl.no.	No. of Columns	Column Name	Column Sizes	Column Reinforcement Detail	Lateral Ties		Lateral Ties
					Special Confining / Joint Reinforcement	Transverse Reinforcement	
1	2	C1	9"x1'3"	 • 4-Y16+ • 2-Y12	Y8-4"c/c	Y8-6"c/c	
2	10	C2	9"x1'3"	 • 6-Y16+ • 2-Y12	Y8-4"c/c	Y8-6"c/c	
3	6	C3	9"x1'3"	 • 4-Y20+ • 4-Y16	Y8-4"c/c	Y8-6"c/c	

Project Detail :

Proposed Residential Building For
Mr.Devojit khonikar

Legend :

c/c - Centre to Centre
C - Column

Notes:

1. All dimensions are in 'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
 Column reinforcement - **1 1/2" (40mm)**
 Footing reinforcement - **2" (50mm)**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

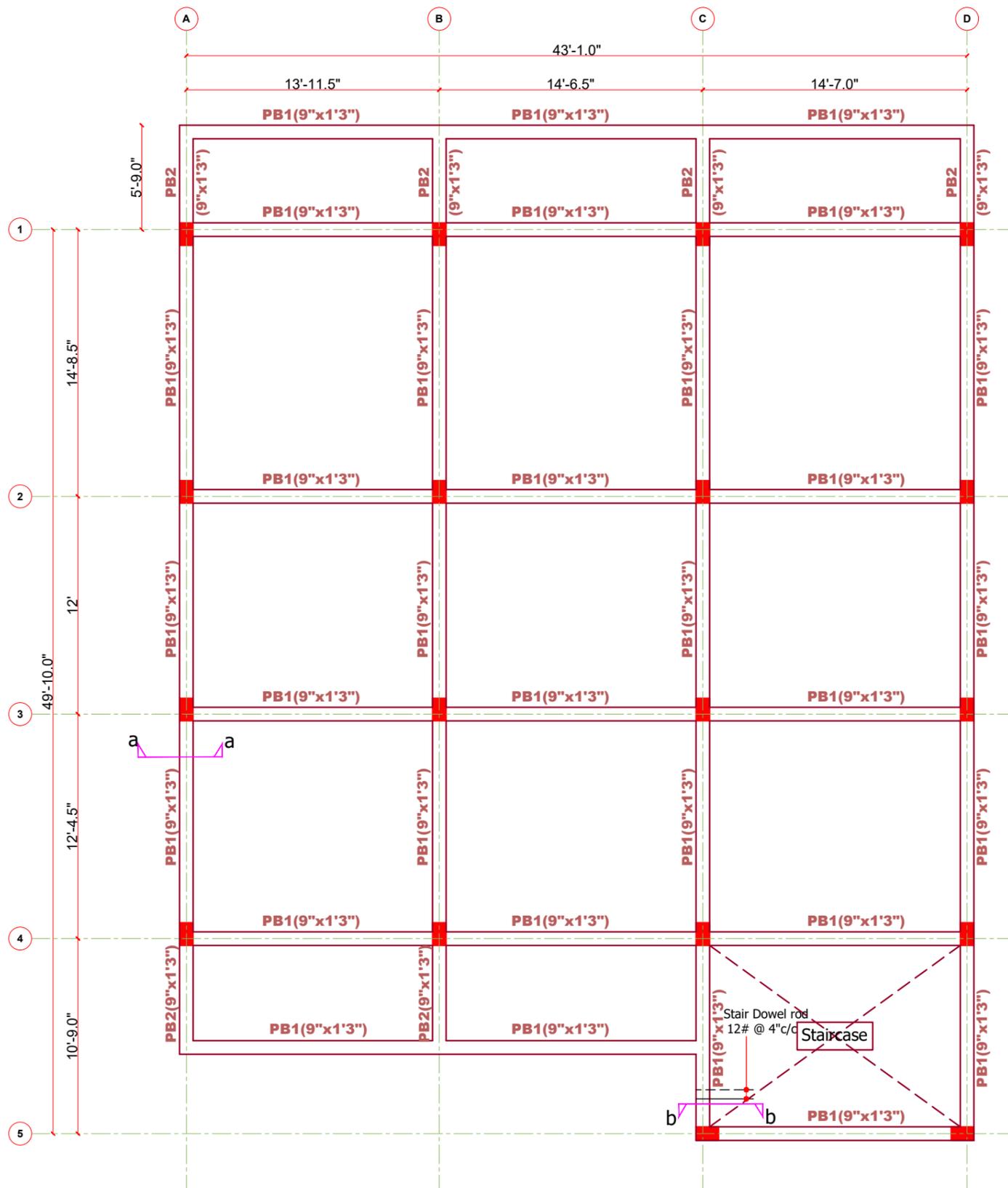
COLUMN REINFORCEMENT DETAILS

Construction by

MB FORMATION

Structural design by

D.MAHENDRAN
 1Z/11, PANTHAL KALIYAMMAN STREET,
 ANNATHANA PATTI,
 SALEM-02.



Project Detail :

Proposed Residential Building For Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- PB - Plinth beam

Notes:

1. All dimensions are in 'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
 Beam reinforcement - **25mm**
 Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

PLINTH BEAM LAYOUT

Construction by

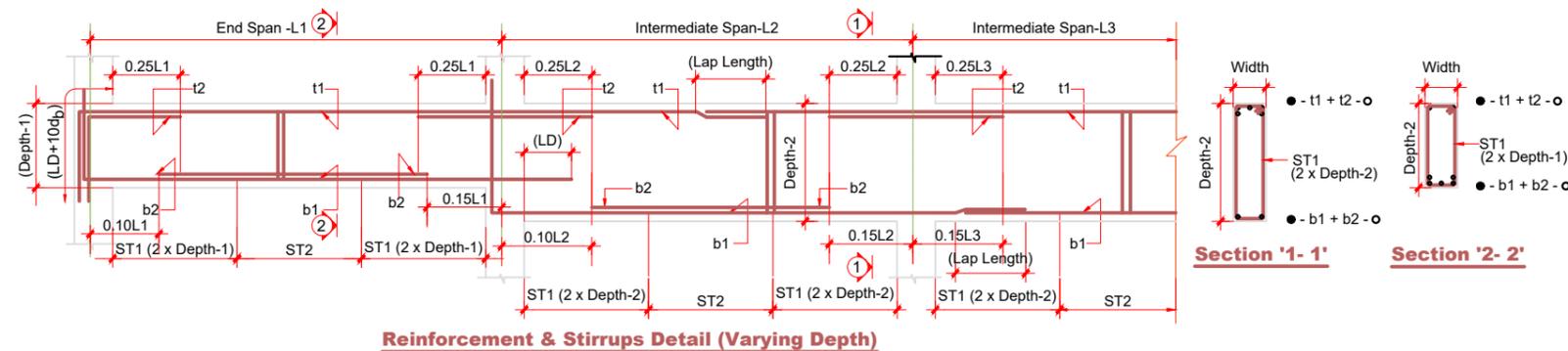
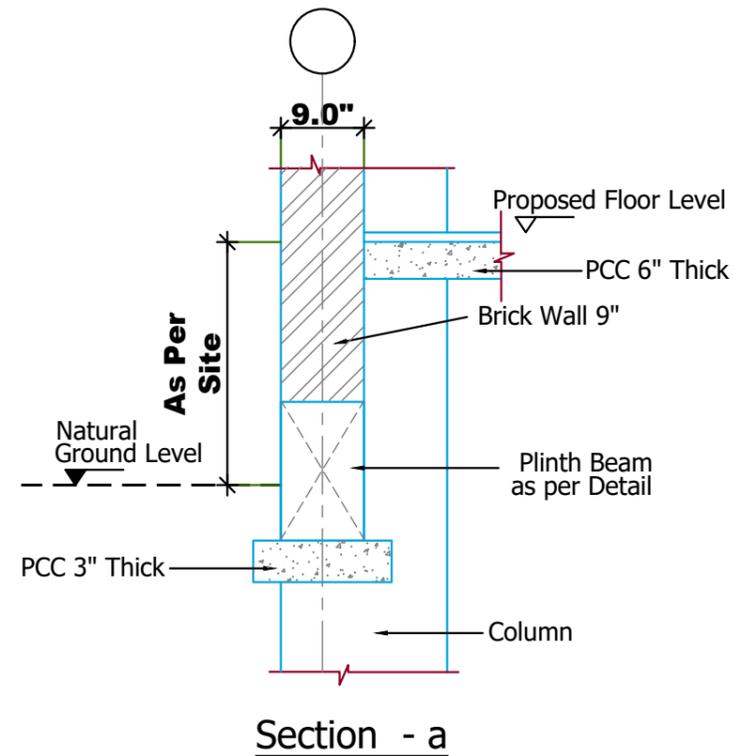
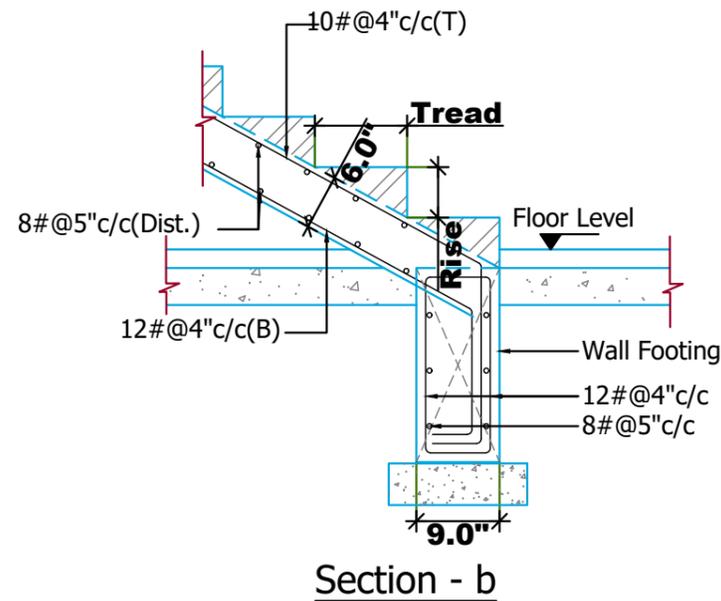
MB FORMATION

Structural design by
D.MAHENDRAN

**1Z/11, PANTHAL KALIYAMMAN STREET,
 ANNATHANA PATTI,
 SALEM-02.**

PLINTH BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	PB1	0'9" x 1'3"			8#@4" c/c 2 Leg. Stirrups	8#@6" c/c 2 Leg. Stirrups
2.	PB2	0'9" x 1'3"			8#@4" c/c 2 Leg. Stirrups	8#@6" c/c 2 Leg. Stirrups



Project Detail :

Proposed Residential Building For Mr.Devojit khonikar

Legend :

c/c - Centre to Centre
PB - Plinth beam

Notes:

- All dimensions are in Feet & Inches unless otherwise noted.
- All Grids are C/C of wall
- Wherever applicable, this drawing must be read along with the relevant architectural drawings.
- Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
- 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
- Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- P.C.C **4"** Thk.

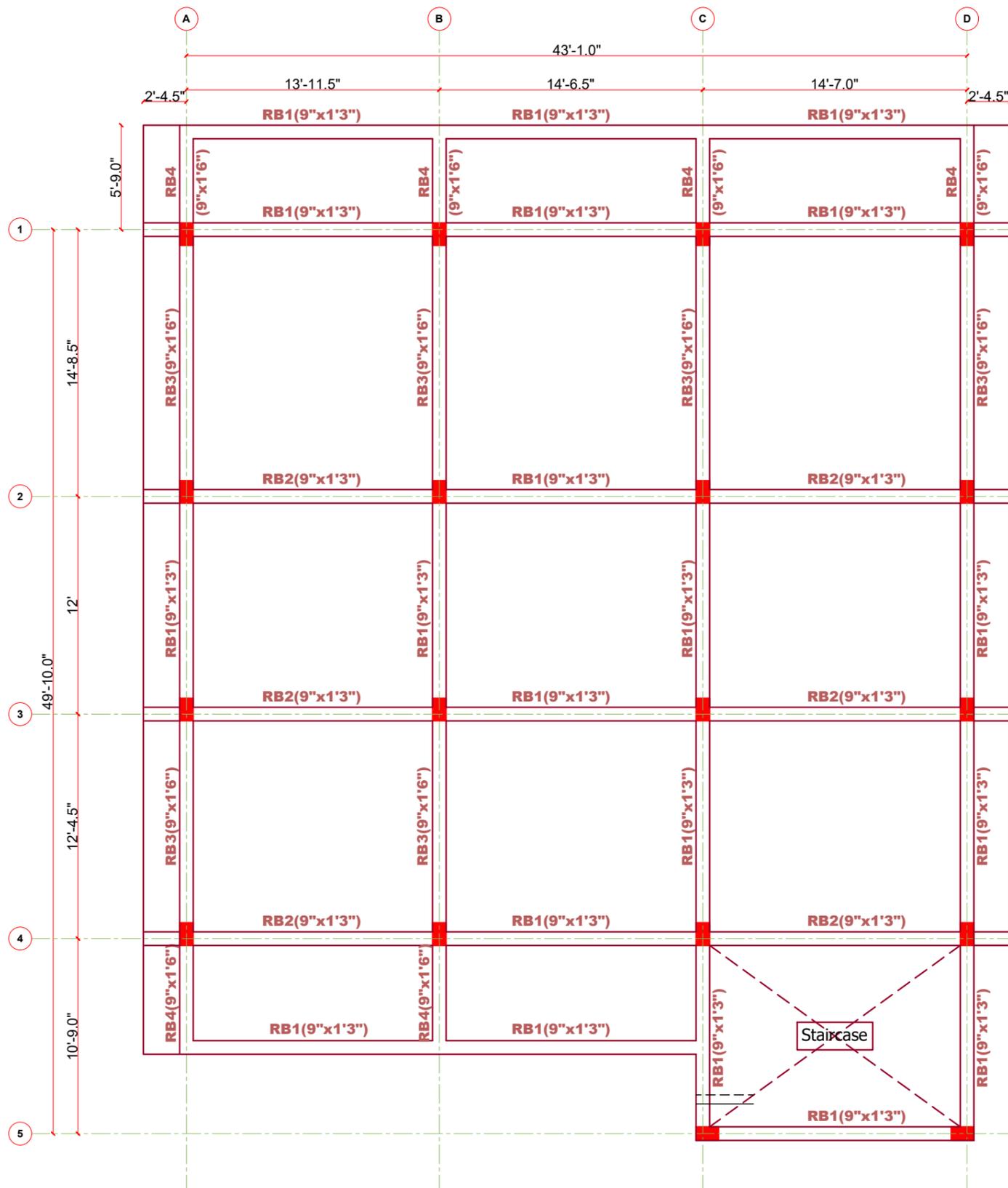
PLINTH BEAM REINFORCEMENT

Construction by

MB FORMATION

Structural design by

D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.



Project Detail :

Proposed Residential Building For
Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- RB - Roof beam

Notes:

1. All dimensions are in 'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
 - Beam reinforcement - **25mm**
 - Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

GROUND FLOOR ROOF BEAM LAYOUT

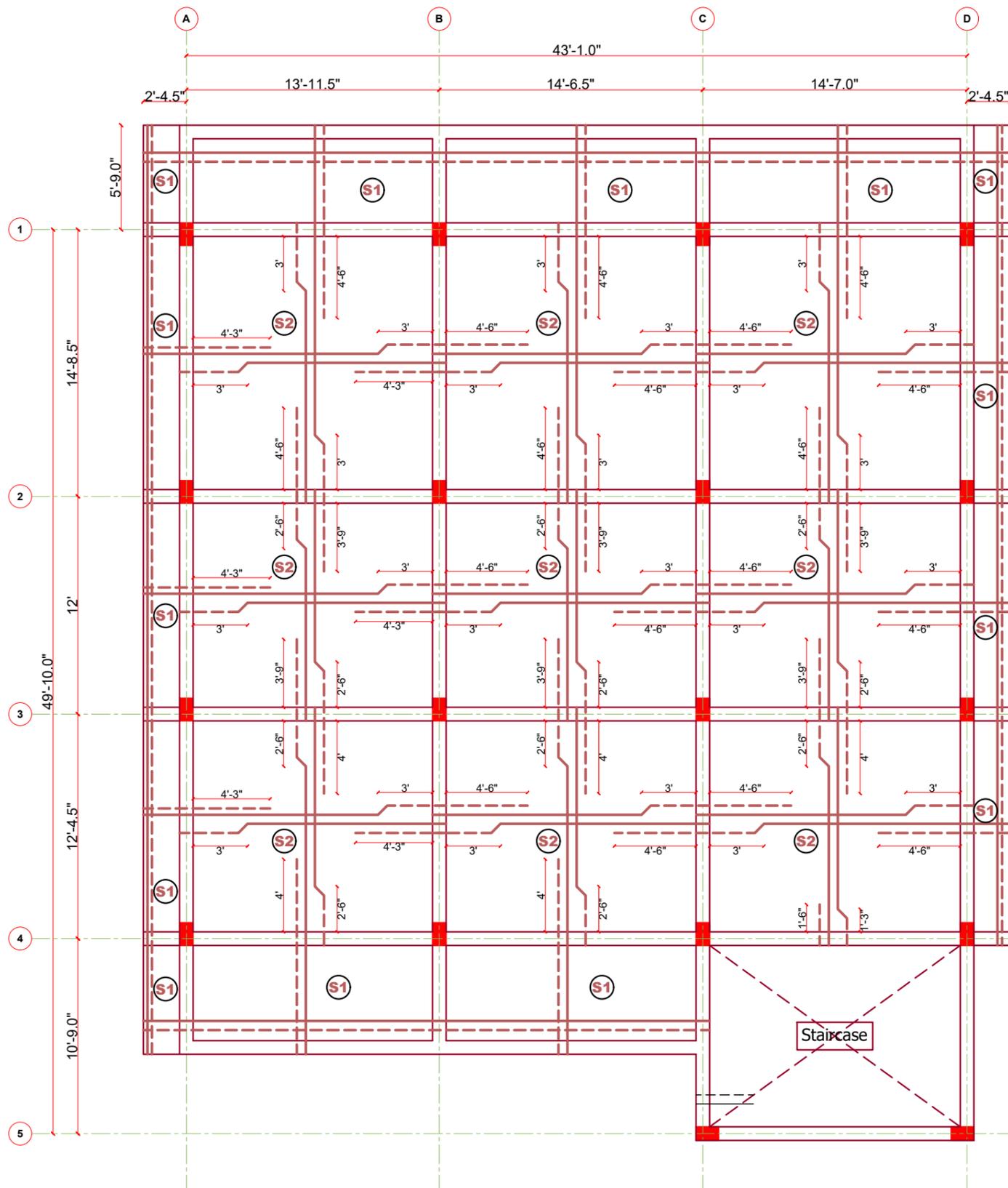
Construction by

MB FORMATION

Structural design by

D.MAHENDRAN

**1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.**



Project Detail :

Proposed Residential Building For
Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- S - Roof Slab

Notes:

1. All dimensions are in'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

GROUND FLOOR ROOF SLAB LAYOUT

Construction by

MB FORMATION

Structural design by
D.MAHENDRAN

**1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.**

GROUND FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"			8#@4" c/c 2 Leg. Stirrups	8#@6" c/c 2 Leg. Stirrups
2.	RB2	0'9" x 1'3"			8#@4" c/c 2 Leg. Stirrups	8#@6" c/c 2 Leg. Stirrups
3.	RB3	0'9" x 1'6"			8#@4" c/c 2 Leg. Stirrups	8#@6" c/c 2 Leg. Stirrups
4.	RB4	0'9" x 1'6"			8#@4" c/c 2 Leg. Stirrups	8#@6" c/c 2 Leg. Stirrups

GROUND FLOOR ROOF SLAB REINFORCEMENT DETAILS:

Sl. Nos.	Slab Marked	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
			Shorter Span	Longer Span	Shorter Span	Longer Span
1.	S1	6"	Y10 @ 5" c/c	Y8 @ 5" c/c	Y10 @ 5" c/c	Y8 @ 5" c/c
2.	S2	6"	Y10 @ 5" c/c	Y10 @ 6" c/c	Y10 @ 5" c/c	Y10 @ 6" c/c

Project Detail :

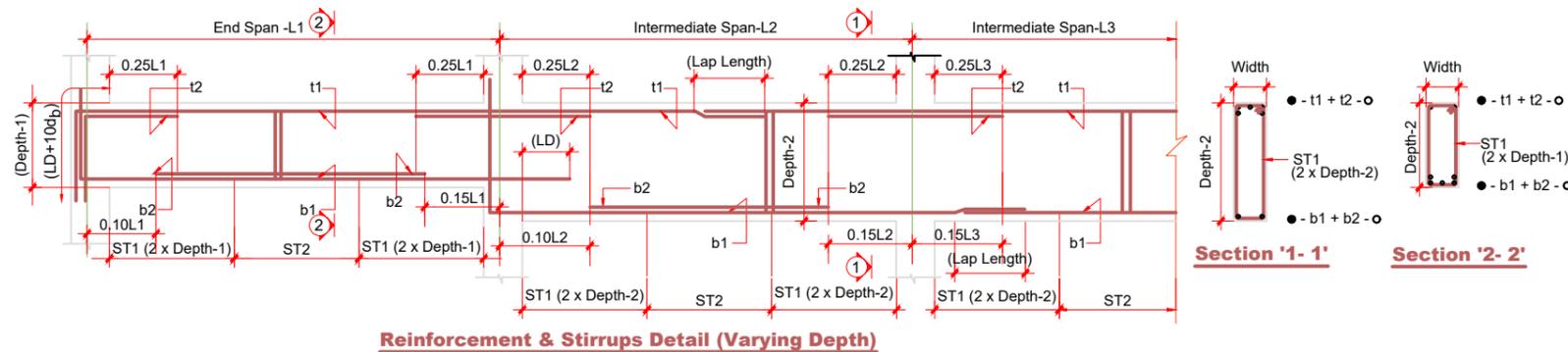
Proposed Residential Building For Mr.Devojit khonikar

Legend :

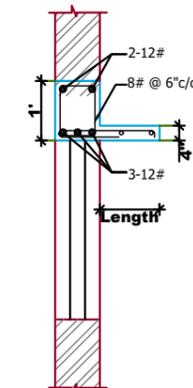
- c/c - Centre to Centre
- RB - Roof beam
- S - Roof Slab

Notes:

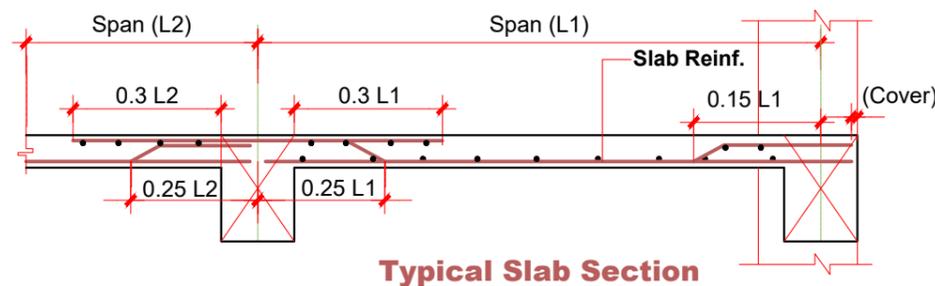
1. All dimensions are in Feet & Inches unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.



Reinforcement & Stirrups Detail (Varying Depth)



Typical Section Lintel beam Cum Sunshade



Typical Slab Section

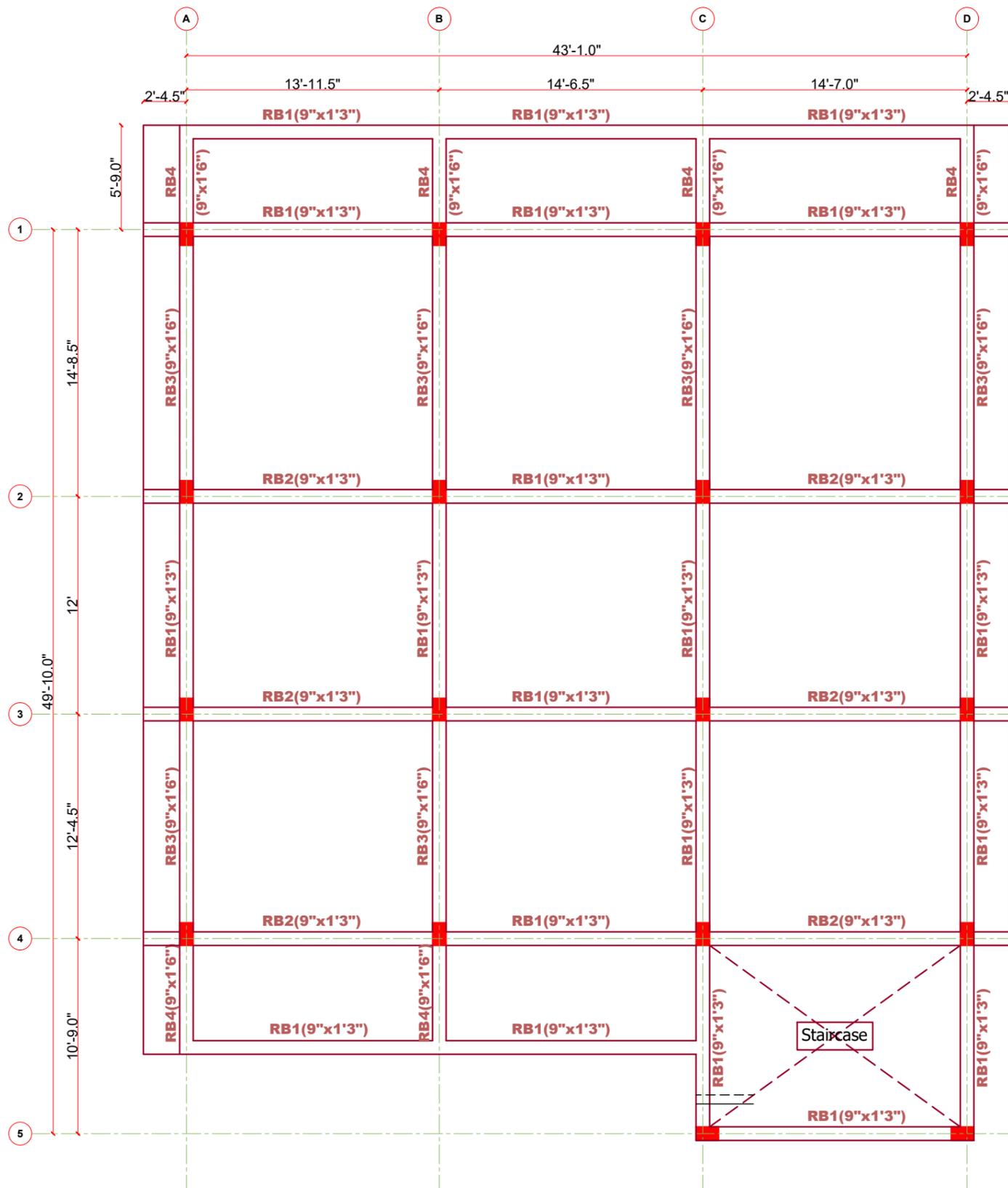
GROUND FLOOR ROOF BEAM & ROOF SLAB REINFORCEMENT

Construction by

MB FORMATION

Structural design by

D. MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.



Project Detail :

Proposed Residential Building For
Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- RB - Roof beam

Notes:

1. All dimensions are in 'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
 - Beam reinforcement - **25mm**
 - Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

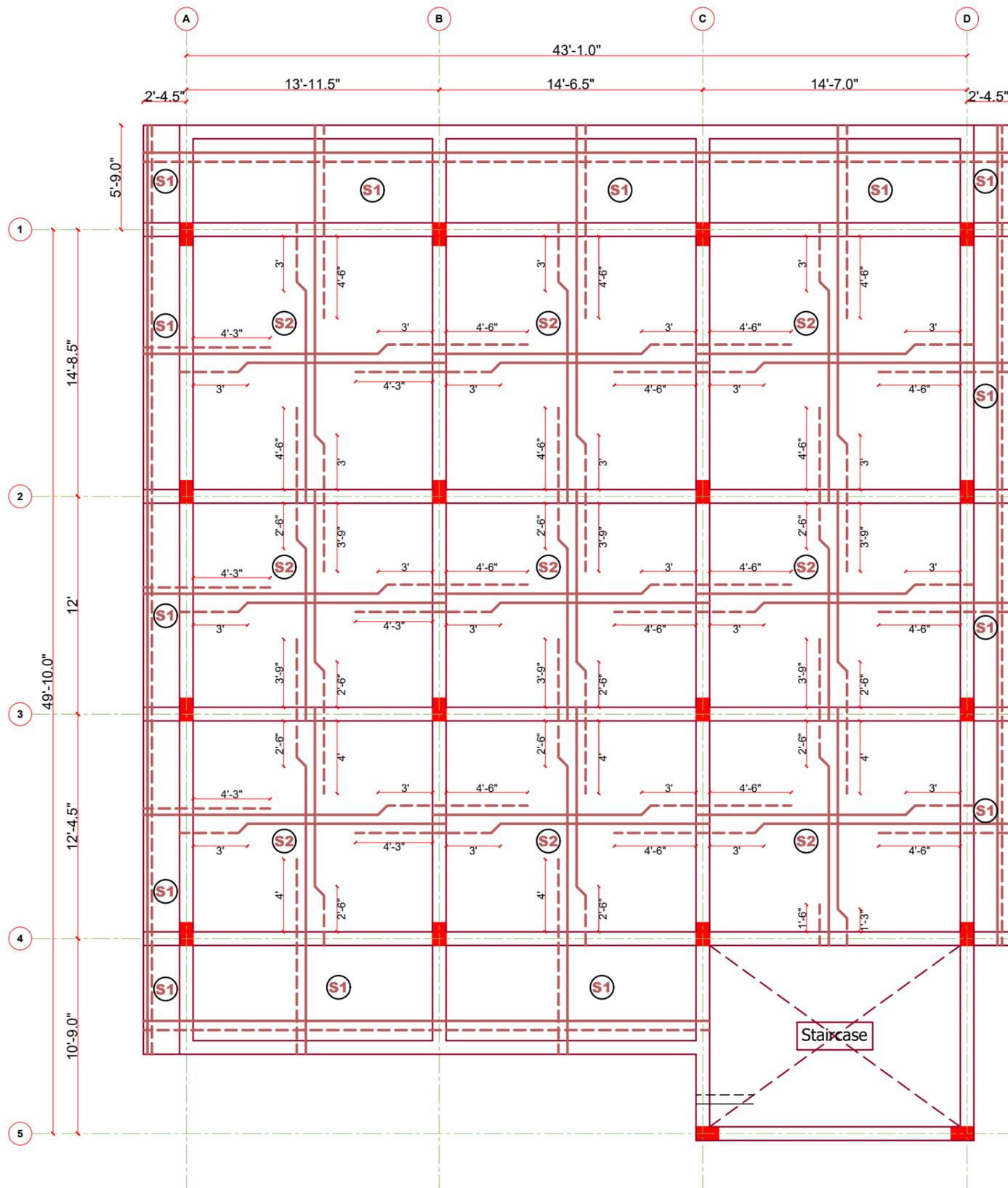
FIRST FLOOR ROOF BEAM LAYOUT

Construction by

MB FORMATION

Structural design by

D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.



Project Detail :

Proposed Residential Building For
Mr.Devojit khonikar

Legend :

- c/c - Centre to Centre
- S - Roof Slab

Notes:

1. All dimensions are in'Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.

FIRST FLOOR ROOF SLAB LAYOUT

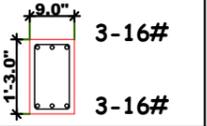
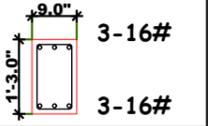
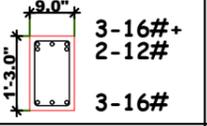
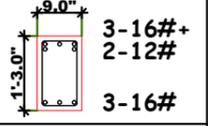
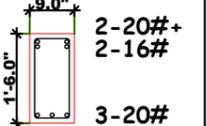
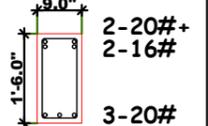
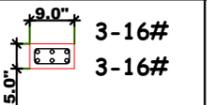
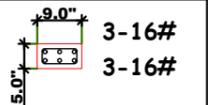
Construction by

MB FORMATION

Structural design by

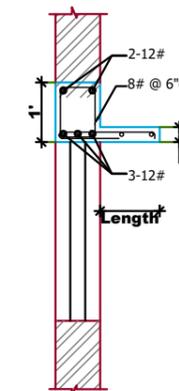
D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

FIRST FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"	 3-16# 3-16#	 3-16# 3-16#	8#@4"c/c 2 Leg.Stirrups	8#@6"c/c 2 Leg.Stirrups
2.	RB2	0'9" x 1'3"	 3-16#+ 2-12# 3-16#	 3-16#+ 2-12# 3-16#	8#@4"c/c 2 Leg.Stirrups	8#@6"c/c 2 Leg.Stirrups
3.	RB3	0'9" x 1'6"	 2-20#+ 2-16# 3-20#	 2-20#+ 2-16# 3-20#	8#@4"c/c 2 Leg.Stirrups	8#@6"c/c 2 Leg.Stirrups
3.	CB1	0'9" x 0'5"	 3-16# 3-16#	 3-16# 3-16#	8#@4"c/c 2 Leg.Stirrups	8#@6"c/c 2 Leg.Stirrups

FIRST FLOOR ROOF SLAB REINFORCEMENT DETAILS:

Sl. Nos.	Slab Marked	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
			Shorter Span	Longer Span	Shorter Span	Longer Span
1.	S1	5"	Y10 @ 5"c/c	Y8 @ 5"c/c	Y10 @ 5"c/c	Y8 @ 5"c/c
2.	S2	5"	Y10 @ 5"c/c	Y10 @ 6"c/c	Y10 @ 5"c/c	Y10 @ 6"c/c
3.	S3	5"	Y12 @ 5"c/c	Y10 @ 6"c/c	Y12 @ 5"c/c	Y10 @ 6"c/c



Typical Section
Lintel beam Cum Sunshade

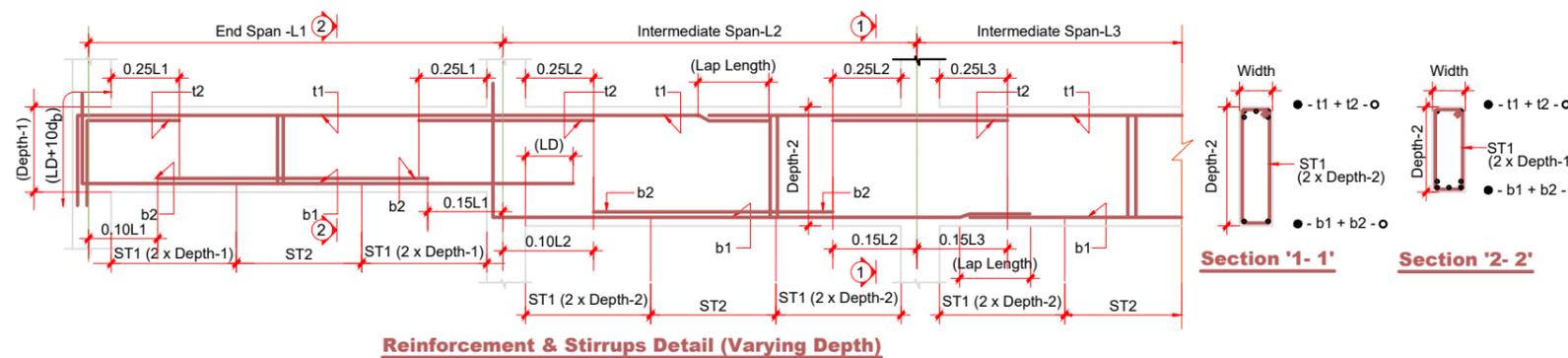
Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar

Legend :

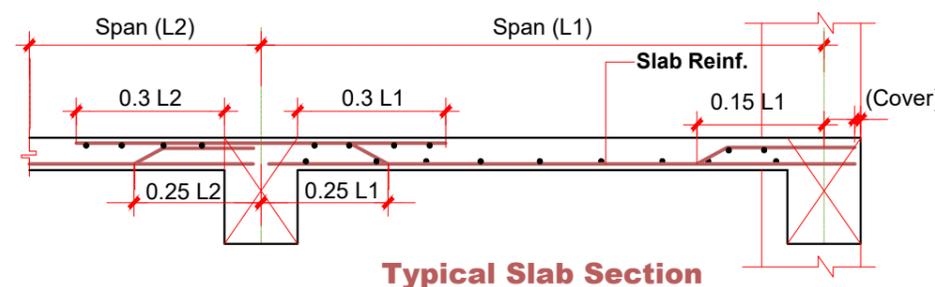
- c/c - Centre to Centre
- RB - Roof beam
- S - Roof Slab

Notes:

1. All dimensions are in Feet & Inches' unless otherwise noted.
2. All Grids are C/C of wall
3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
6. Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
9. P.C.C **4"** Thk.



Reinforcement & Stirrups Detail (Varying Depth)



Typical Slab Section

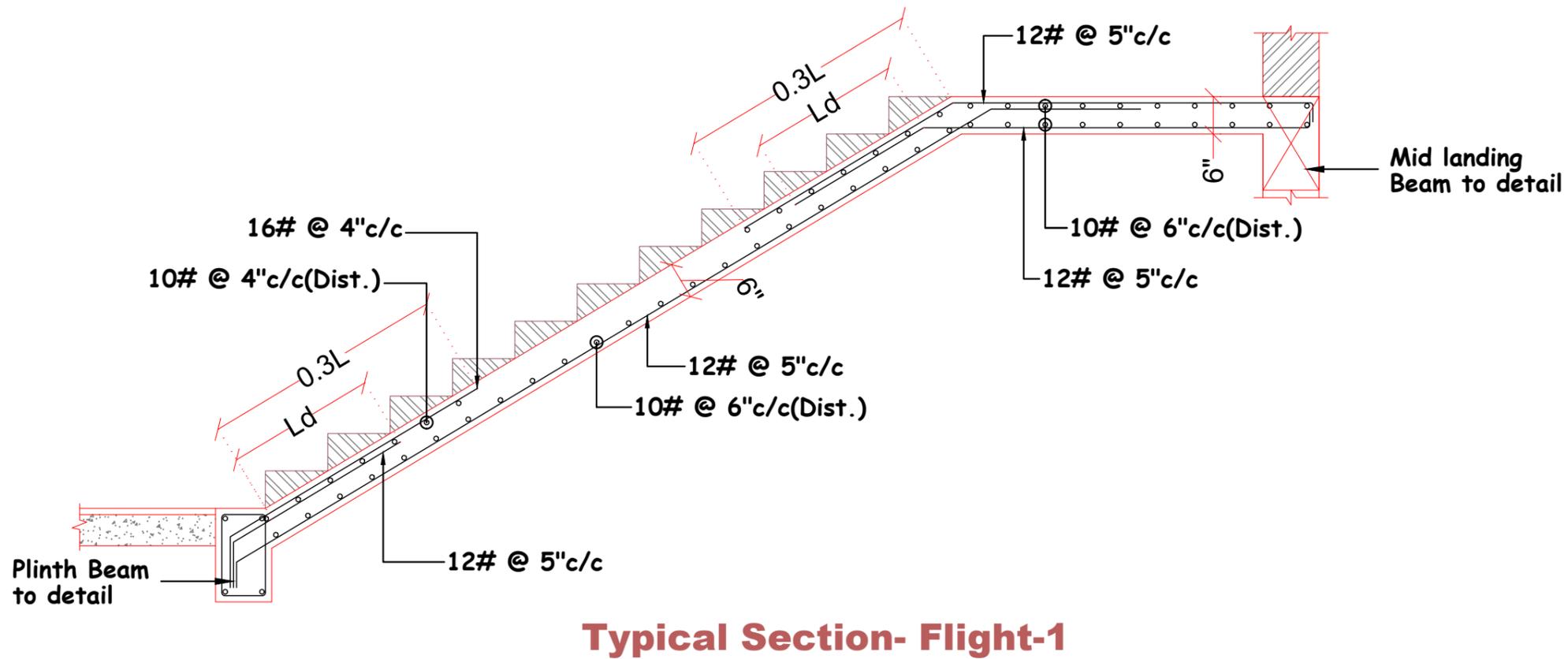
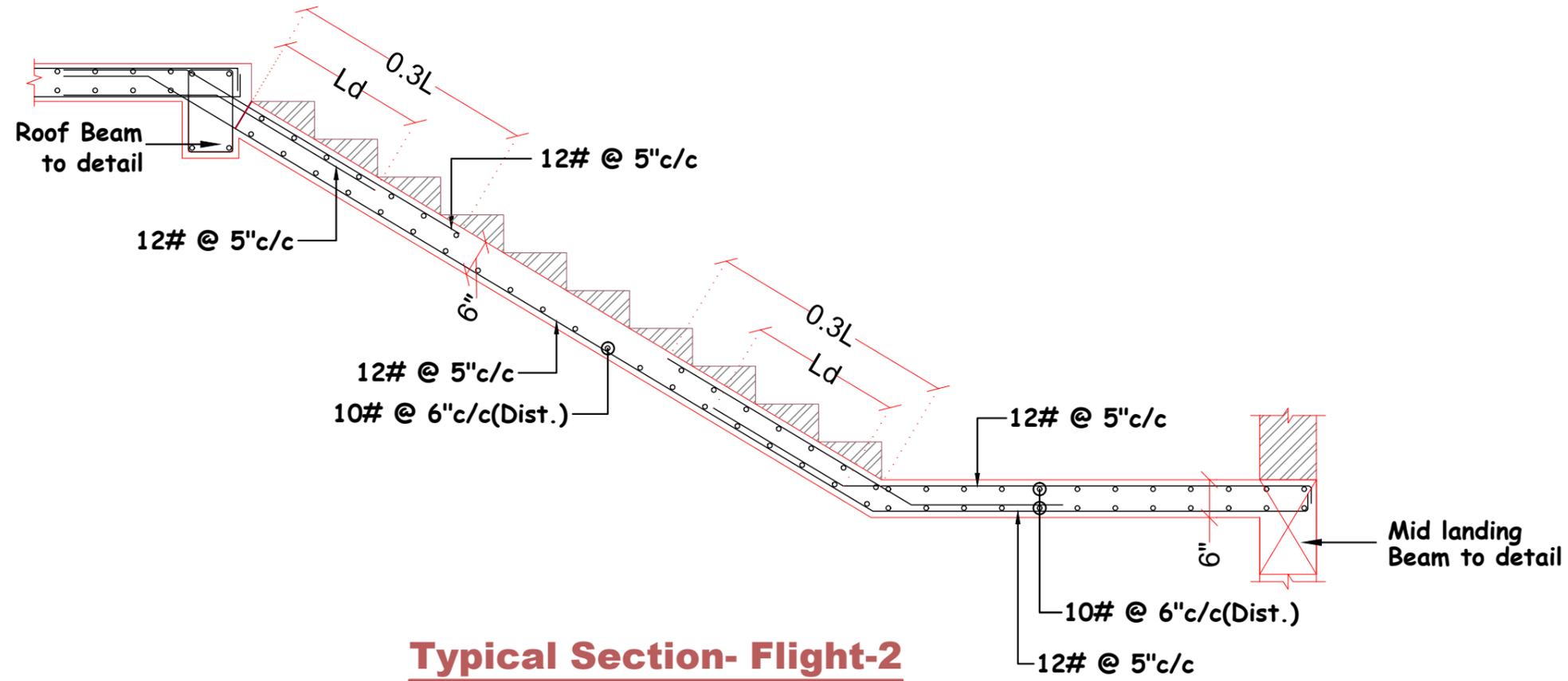
FIRST FLOOR
ROOF BEAM & ROOF SLAB REINFORCEMENT

Construction by

MB FORMATION

Structural design by
D.MAHENDRAN

**1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.**



Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar

Legend :
c/c - Centre to Centre
RB - Roof beam
S - Roof Slab

- Notes:**
1. All dimensions are in 'Feet & Inches' unless otherwise noted.
 2. All Grids are C/C of wall
 3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
 4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
 5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
 6. Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
 7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 9. P.C.C **4"** Thk.

STAIRCASE DETAIL - 1

Construction by
MB FORMATION

Structural design by
D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.

Project Detail :

Proposed Residential Building For Mr.Devojit khonikar

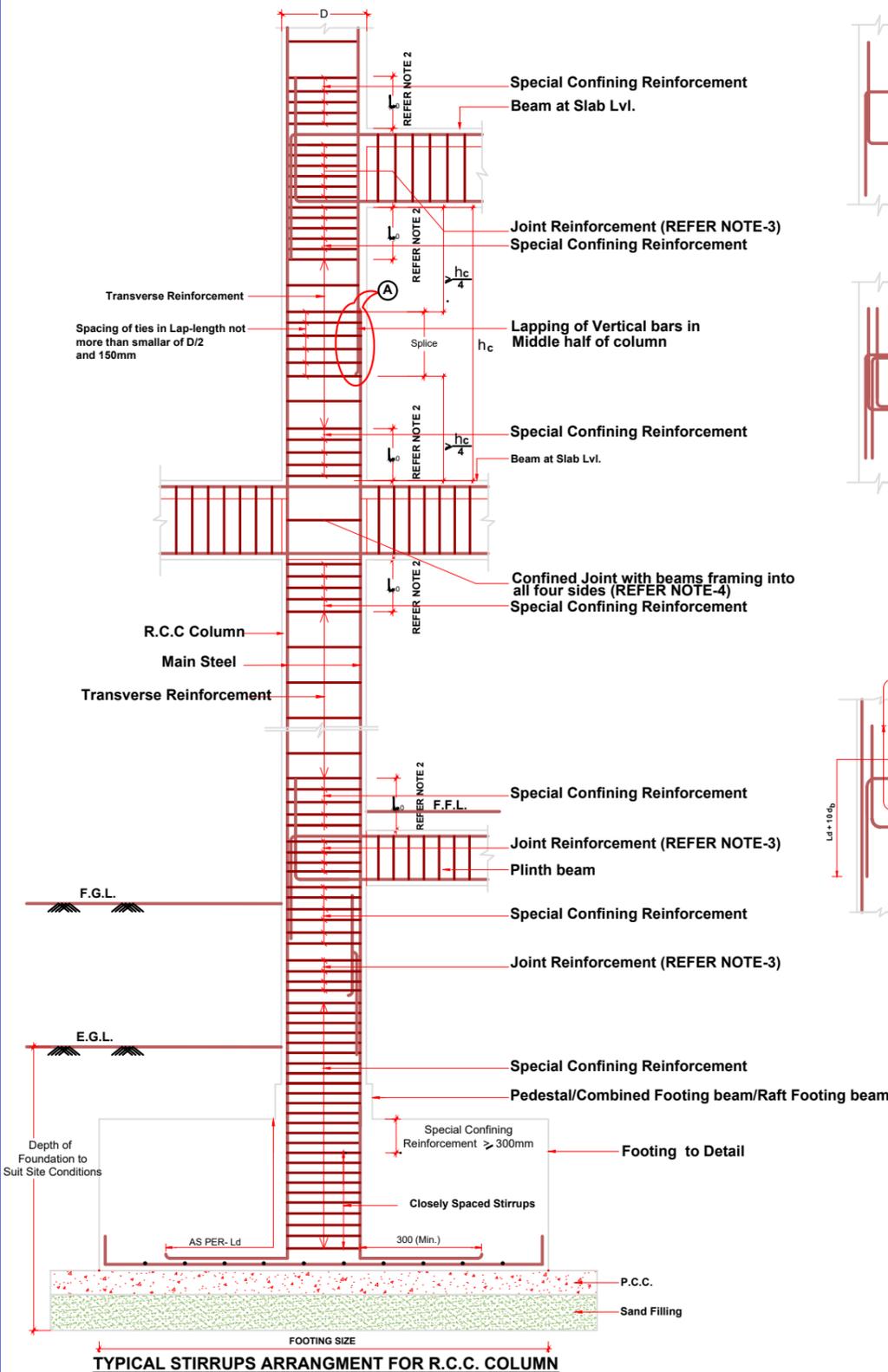
Notes:

- All dimensions are in 'Feet & Inches' unless otherwise noted.
- All Grids are C/C of wall
- Wherever applicable, this drawing must be read along with the relevant architectural drawings.
- Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
- 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
- Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- P.C.C **4"** Thk.

DUCTILE REINFORCEMENT DETAILS

Notes for Confining Reinforcement :

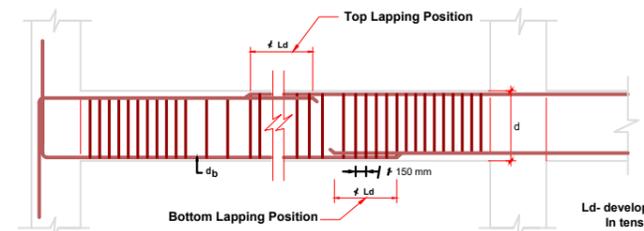
- All Dimensions are in 'Millimetre'.
 - 'Typical stirrups arrangement for R.C.C column' The length L_o shall not be less than
 - Larger lateral dimension of the Column
 - 1/6 of clear height of the Column
 - 450 mm.
 - The special Confining Reinforcement as required at the end of column shall be provided through the joint.
 - A joint which has beams framing in to all vertical faces of it and where each beam width is at least 3/4 of the column width, may be provided with half the special confining reinforcement required at the end of the column, The spacing of hoops shall not exceed 150 mm.
 - The spacing of stirrups in lap portion should not exceed 150 mm.
- Notes for Lap :**
- Laps in reinforcement bars shall be as below :
 - Laps in reinforcement shall be staggered such that not more than 50% of steel is lapped at any section.
 - Top bars in beams shall be lapped at Mid span.
 - Bottom bars in beams shall be lapped at distance between 0.15L and 0.3L from centre of support.



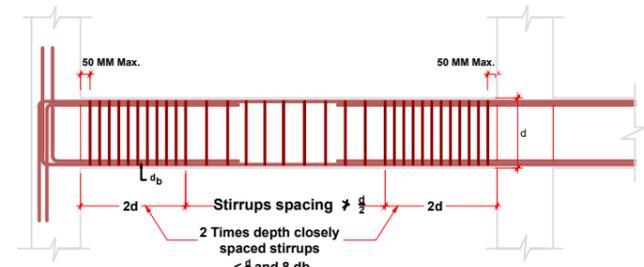
TYPICAL STIRRUPS ARRANGMENT FOR R.C.C. COLUMN

PROVISION OF SPECIAL CONFINING REINFORCEMENT
AS PER CLAUSE NO 8.1, 8.2 OF I.S. 13920 : 1993

Note : For Special Confining / Joint & Transverse Reinforcement refer corresponding Building Drawings.



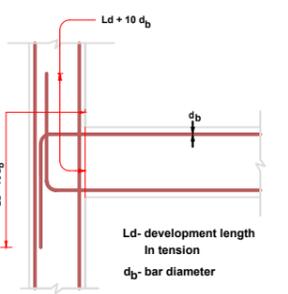
Typical Lap Splice in beam
as per IS13920 : 1993



Typical Beam Web Reinforcement
details as per IS13920 - 1993

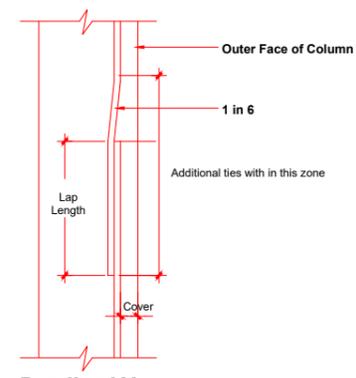
S = Spacing of Stirrups
db = Diameter of Smallest Longitudinal Bar
d = Depth of the Beam

Typical Beam Stirrups Arrangements
as per IS13920 : 1993



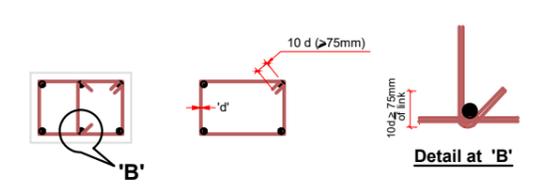
Typical Anchorage of Beam bars in an external joint
as per IS13920 : 1993

Dia of bars (mm)	[Ld + 10 db] (mm)
12	720
16	960
20	1200
25	1500
32	1920



Detail at 'A'

Splice With Offset cranked bar in a Column



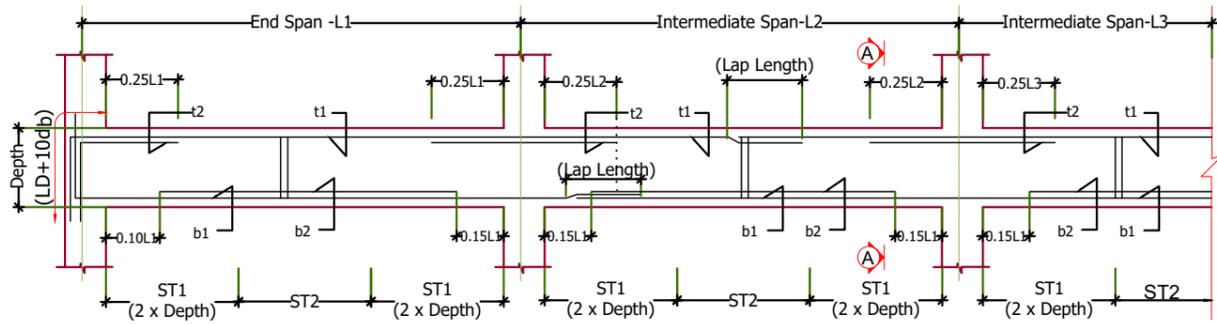
Transverse Reinforcement in Column
details as per IS13920 : 1993

Construction by

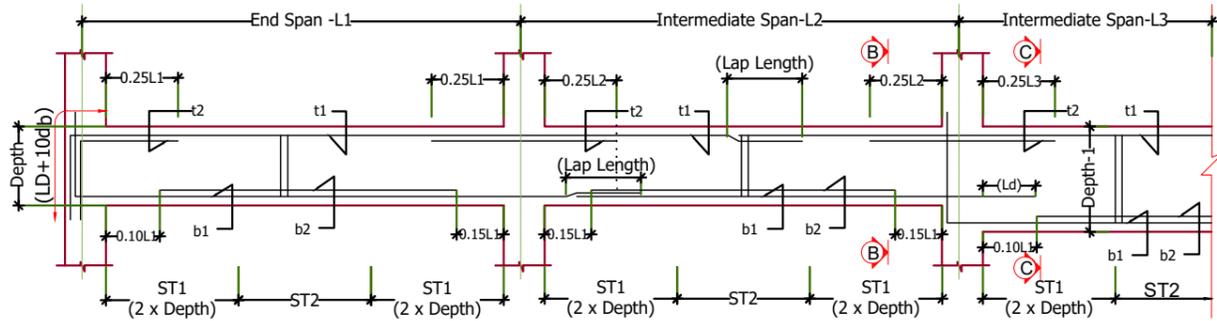
MB FORMATION

Structural design by

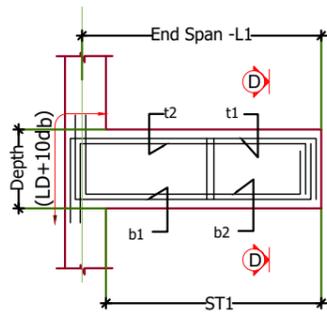
D. MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.



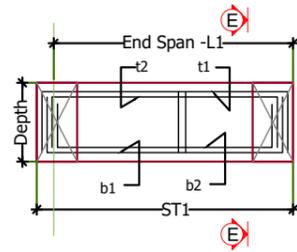
REINFORCEMENT & STIRRUPS DETAIL (UNIFORM DEPTH)
Scale :N.T.S



REINFORCEMENT & STIRRUPS DETAIL (UNIFORM DEPTH)
Scale :N.T.S



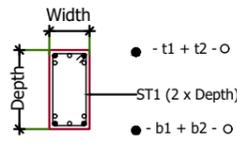
SECTION 'D-D'
Scale :N.T.S



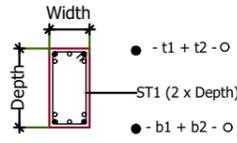
SECTION 'E-E'
Scale :N.T.S

REINFORCEMENT & STIRRUPS DETAIL -1
Scale :N.T.S

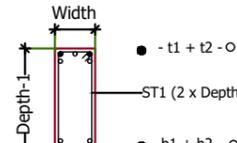
REINFORCEMENT & STIRRUPS DETAIL -2
Scale :N.T.S



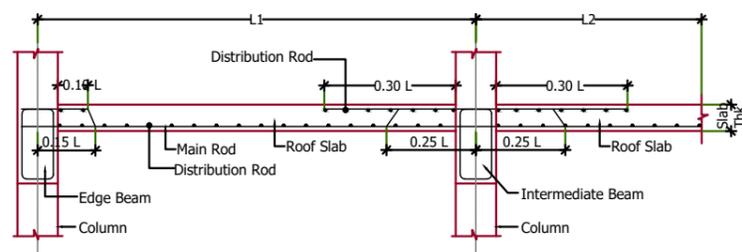
SECTION 'A-A'
Scale :N.T.S



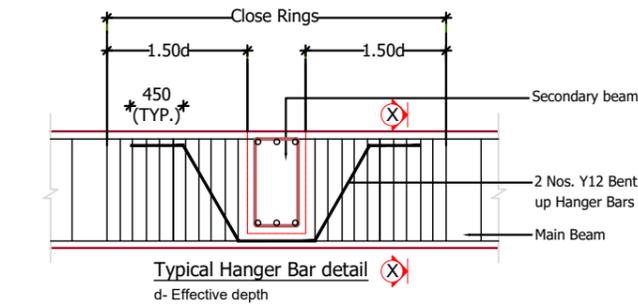
SECTION 'B-B'
Scale :N.T.S



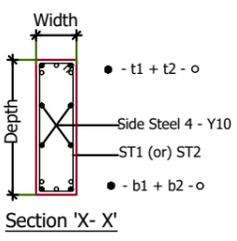
SECTION 'C-C'
Scale :N.T.S



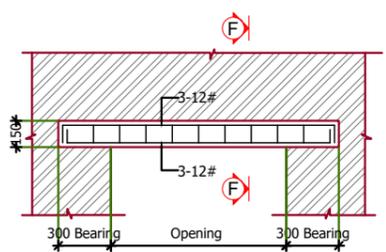
TYPICAL DETAIL FOR ROOF SLAB -1
Scale :N.T.S



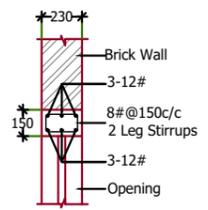
Typical Hanger Bar detail
d- Effective depth



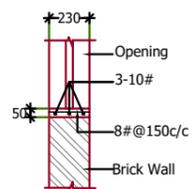
Section 'X- X'



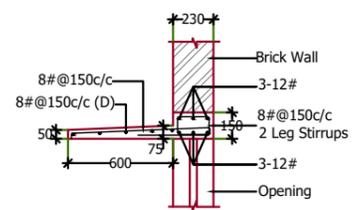
BIT LINTEL DETAILS
(Opening Span upto 1.80 m)
Scale :N.T.S



SECTION 'F-F'
Scale :N.T.S



Sill Beam Details
Scale :N.T.S



Typical Sunshade Detail
Scale :N.T.S

Project Detail :
Proposed Residential Building For
Mr.Devojit khonikar

- Notes:**
1. All dimensions are in'Feet & Inches' unless otherwise noted.
 2. All Grids are C/C of wall
 3. Wherever applicable, this drawing must be read along with the relevant architectural drawings.
 4. Concrete mix shall be **M20** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
 5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2508, Fe 500D Grade with minimum yield strength of **500 N/mm²** having elongation of 16%.
 6. Clear cover for
Beam reinforcement - **25mm**
Slab reinforcement - **15mm**
 7. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 8. Depth of foundation shall be **2.40m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 9. P.C.C **4"** Thk.

TYPICAL DETAIL OF BEAM & SLAB

Construction by
MB FORMATION

Structural design by
D.MAHENDRAN
1Z/11, PANTHAL KALIYAMMAN STREET,
ANNATHANA PATTI,
SALEM-02.