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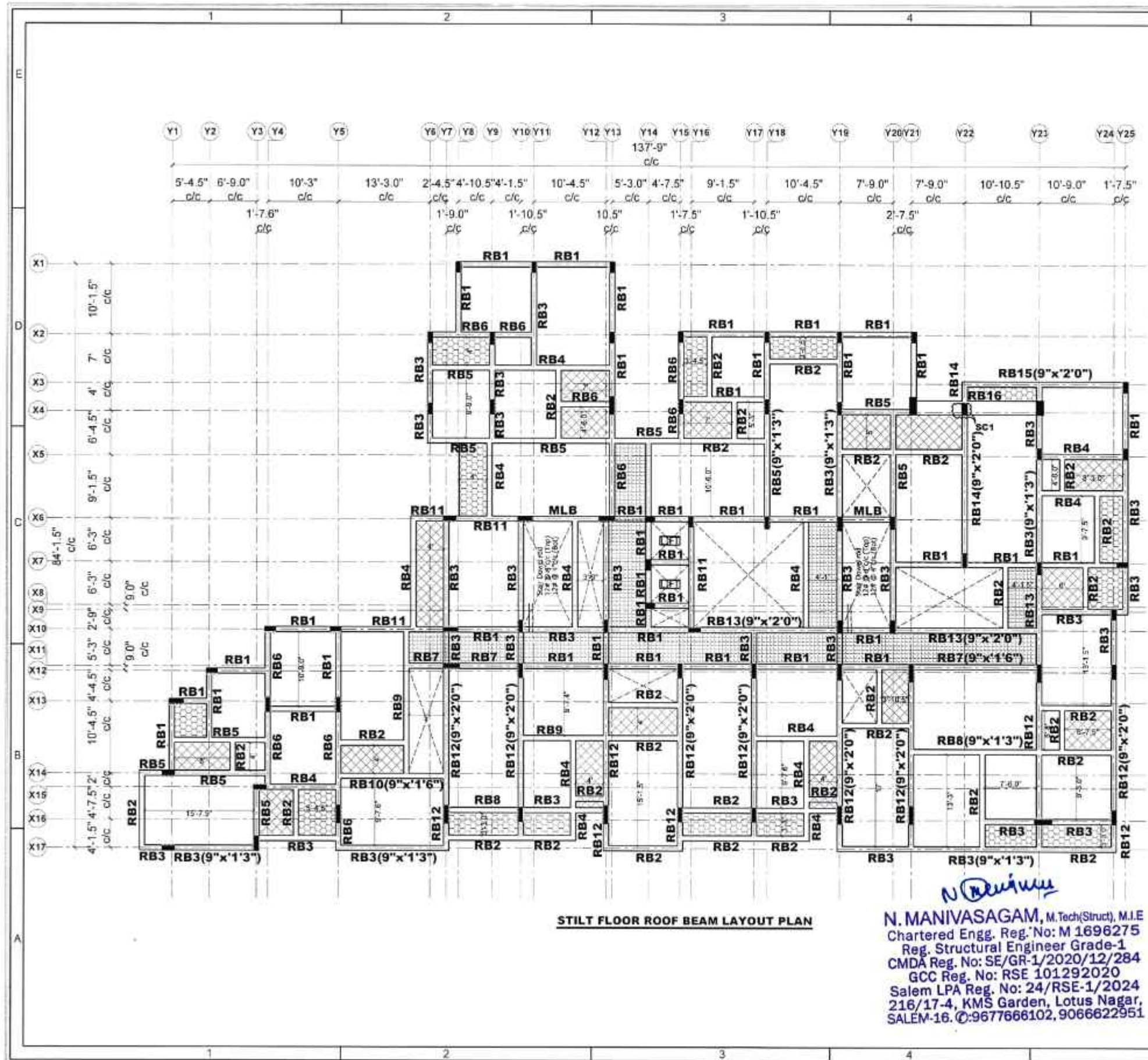
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STILT FLOOR ROOF BEAM LAYOUT PLAN

N. MANIVASAGAM, M.Tech(Struct), M.I.E
Chartered Engg. Reg. No: M 1696275
Reg. Structural Engineer Grade-1
CMDA Reg. No: SE/GR-1/2020/12/284
GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. ©:9677666102, 9066622951



- Legend:
- c/c - Centre to Centre
 - RB - Roof Beam
 - MLB - Mid Landing Beam
 - SC - Stub Column
 - Toilet Sunken Slab By 9"
 - Beam & Slab Down By 3"
 - Slab Down By 3"

- 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 M25 for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
 - 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of 500D N/mm² having elongation of 16%.
 - Safe bearing capacity of soil is 25T/m² (As per Soil Report)
 - Depth of foundation shall be 3m from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - Clear cover for column reinforcement - 1 1/2" (40mm) for footing reinforcement - 2" (50mm) for footing side face reinforcement - 3" (75mm)
 - Development length of bars (Ld) In Tension - 50 Ø (Ld) In Compression - 40 Ø For M25 grade of concrete & shall be kept staggered
 - The building has been designed for (Stilt+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C 4" Thk.
 - Stilt Floor Roof Beam Reinforcement detail refer dwg.no: MC/SLM/JN-334/MFOOT HILLS/STR/104a

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P.	Designed by: M.S.	Appd. by: N.M.	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/104

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: Stilt Floor Roof Beam Layout Plan

Consultants: MADURAA CONSULTANTS
Structural Engineering, Civil, Planning & Project Management
216/17-4, KMS Garden, Lotus Nagar,
Salem - 636016, Tamil Nadu
Ph: 9677 666 102 | 9066 622 951
E-Mail: maduraaconsultants@gmail.com

STILT FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	RB2	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	RB3/MLB	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	RB4	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
5.	RB5	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
6.	RB6	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
7.	RB7	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
8.	RB8	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

STILT FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
9.	RB9	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
11.	RB11	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
12.	RB12	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
13.	RB13	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
14.	RB14	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
15.	RB15	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
16.	RB16	2'0" x 2'0"			10#@4"c/c 4 Legged Stirrups	10#@6"c/c 4 Legged Stirrups



Legend:
 c/c - Centre to Centre
 Thk. - Thickness
 RB - Roof Beam
 T1 - Top Through Rod
 T2 - Top Extra Rod
 B1 - Bottom Through Rod
 B2 - Bottom Extra Rod

ST1 - Stirrups at Support (2x Beam Depth)
 ST2 - Stirrups at Beam Mid Span

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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
- 'y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2006, Fe 500D Grade with minimum yield strength of **5000 N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
 for footing reinforcement - **2" (50mm)**
 for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
 (Ld) In Tension - **50 Ø**
 (Ld) In Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Stilt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C. 4" Thk.
- Stilt Floor Roof Beam layout Plan refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/104**

Working Drawing**Revisions**

Rev. no.	Particulars	Date	Chkd by	Appd by
1				

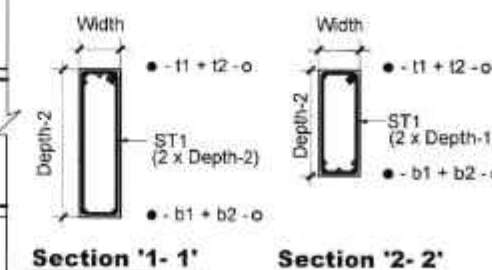
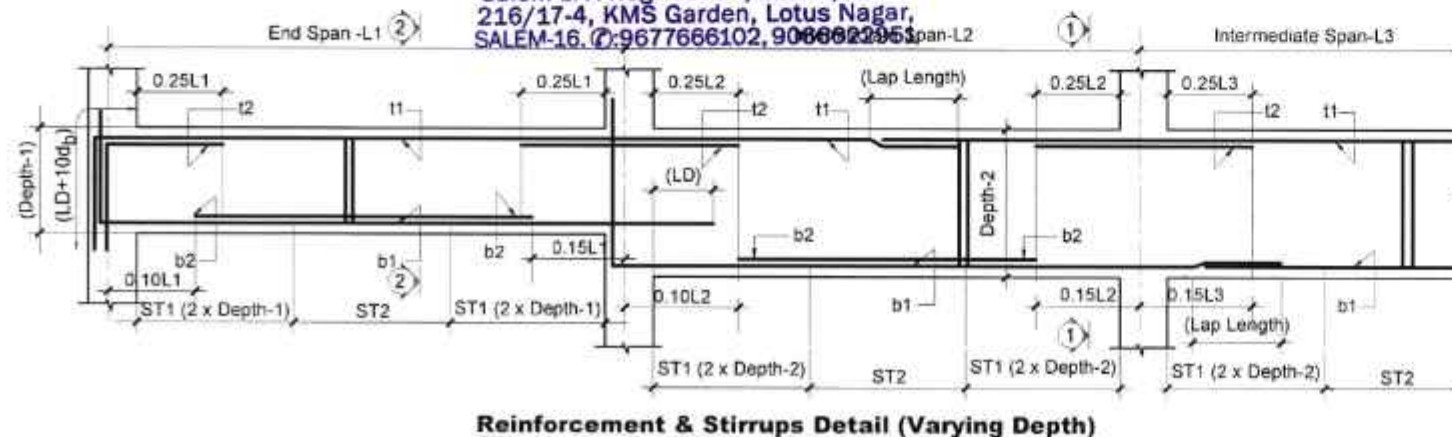
Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/104a

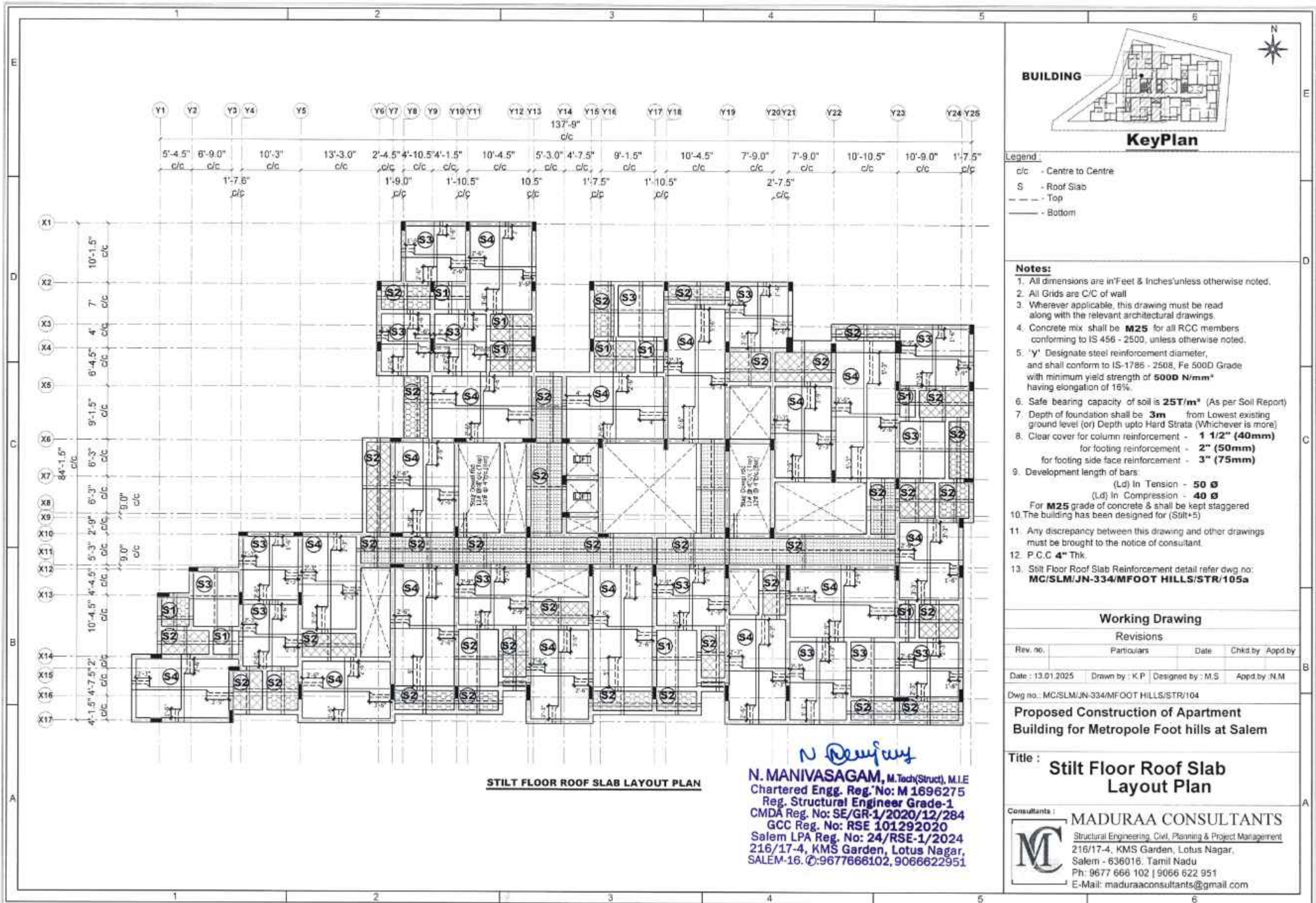
Proposed Construction of Apartment
Building for Metropole Foot hills at Salem

Title:
Stilt Floor Roof Beam Reinforcement Detail

Consultants:
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SCHEDULE FOR STILT FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

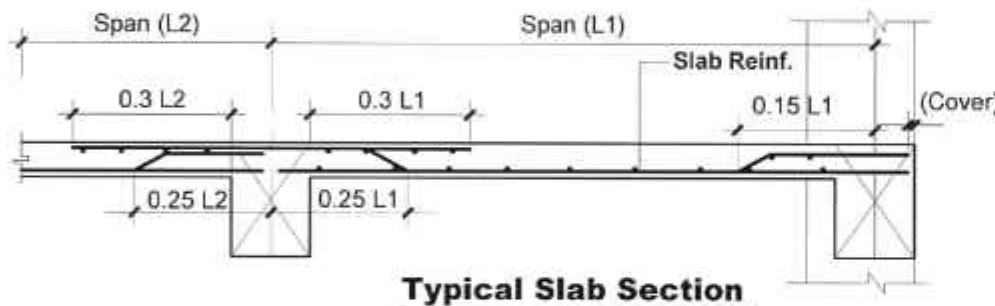
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				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c
4	S4	Two way	6"	8# @ 5"c/c	8# @ 6"c/c	8# @ 5"c/c	8# @ 6"c/c



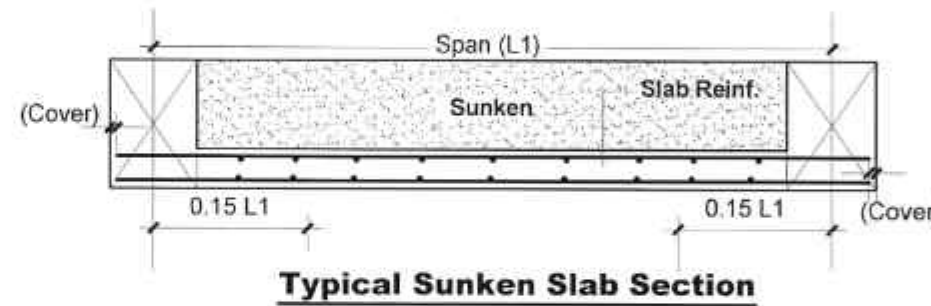
Legend:
 c/c - Centre to Centre
 Thk. - Thickness
 RB - Roof Beam
 T1 - Top Through Rod
 T2 - Top Extra Rod
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 B2 - Bottom Extra Rod
 ST1 - Stirrups at Support (2x Beam Depth)
 ST2 - Stirrups at Beam Mid Span

Notes:

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- All Grids are C/C of wall
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 (Ld) In Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Stilt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C **4"** Thk.
- Stilt Floor Roof Slab layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/105**



Typical Slab Section



Typical Sunken Slab Section

STUB COLUMN REINFORCEMENT DETAIL

Sl.no	No. of Columns	Column Name	Column Sizes	Column Reinf.Detail (Stilt floor Roof Lvl to Terrace floor Roof Lvl)	Lateral Ties		Lateral Ties
					Special Confining / Joint Reinforcement	Transverse Reinforcement	
1	1	SC1	9"x1'6"	 4-Y20+ 6-Y16	Y8-4"c/c	Y8-6"c/c	

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 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. @:9677666102, 9066622951

Working Drawing

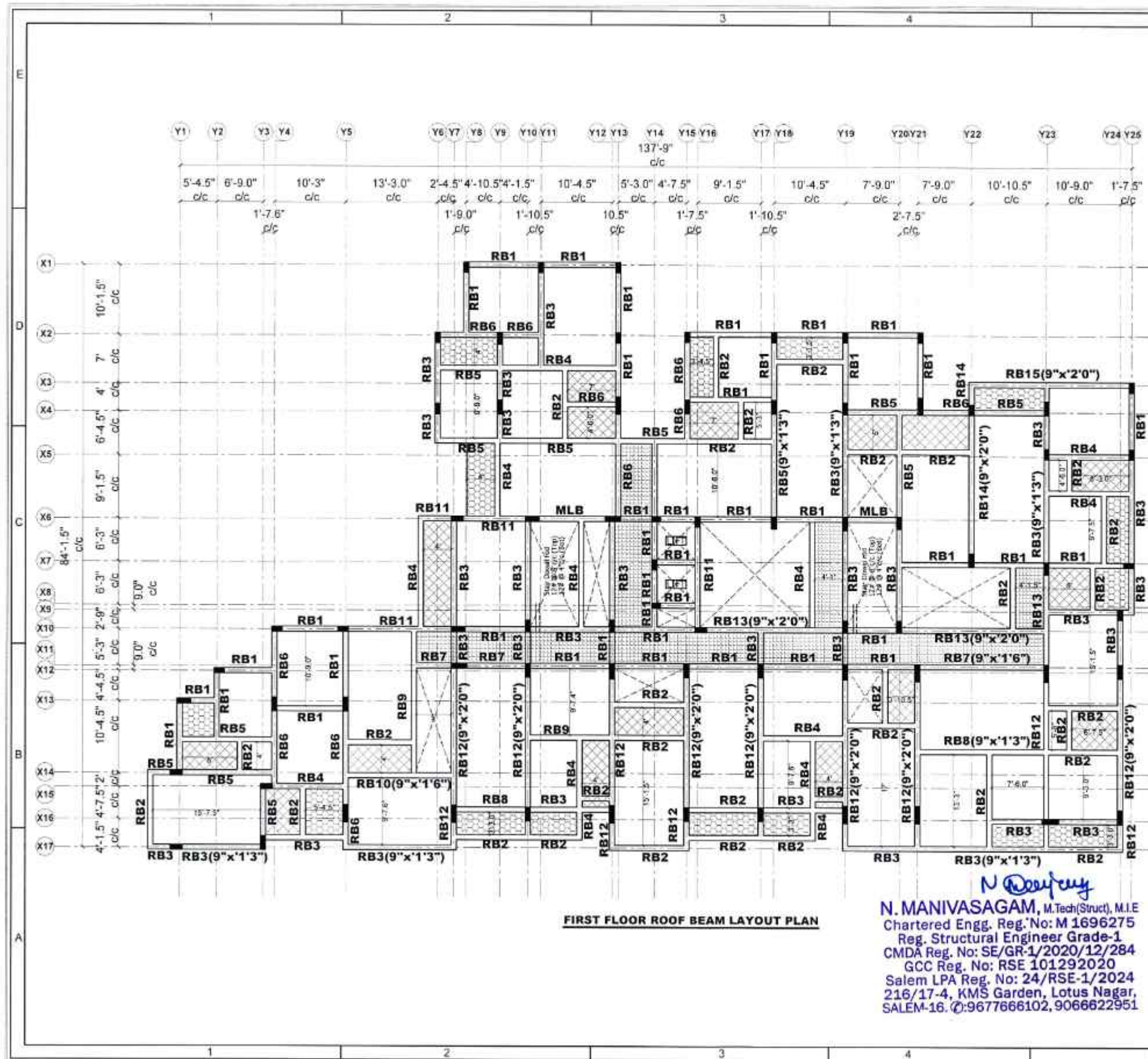
Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P	Designed by: M.S	Appd. by: N.M	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/105a

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: **Stilt Floor Roof Slab Reinforcement Detail**

Consultants: **MADURAA CONSULTANTS**
 Structural Engineering, Civil, Planning & Project Management
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 Salem - 636016, Tamil Nadu
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FIRST FLOOR ROOF BEAM LAYOUT PLAN

N. Manivasagam
N. MANIVASAGAM, M.Tech(Struct), M.I.E
 Chartered Engg. Reg. No: M 1696275
 Reg. Structural Engineer Grade-1
 CMDA Reg. No: SE/GR-1/2020/12/284
 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. @:9677666102, 9066622951



Key Plan

- Legend**
- c/c - Centre to Centre
 - RB - Roof Beam
 - TL - Toilet Sunken Slab By 9"
 - MLB - Mid Landing Beam
 - BS - Beam & Slab Down By 3"
 - SD - Slab Down By 3"

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 **M25** 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 **500D N/mm²** having elongation of 16%.
6. Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
7. Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
8. Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
9. Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
10. The building has been designed for (Still + 5)
11. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
12. P.C.C 4" Thk.
13. First Floor Roof Beam Reinforcement detail refer dwg.no. **MC/SLM/JN-334/MFOOT HILLS/STR/106a**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Clkd by	Appd by
Date: 13.01.2025	Drawn by: K.P	Designed by: M.S	Appd by: N.M	

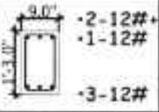
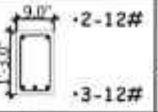
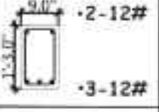
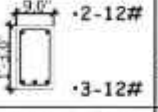
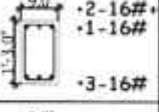
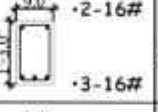
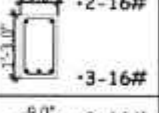
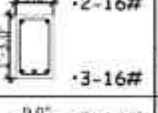
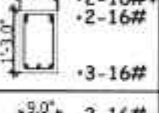
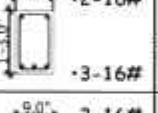
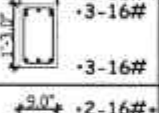
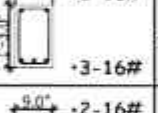
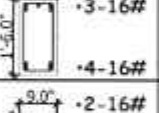
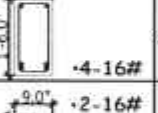
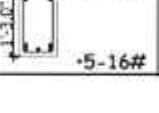
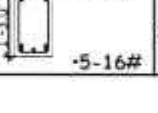
Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/106

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

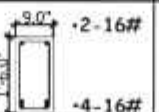
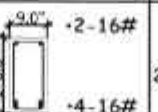
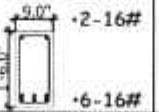
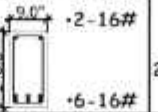
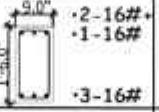
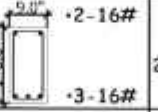
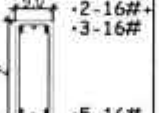
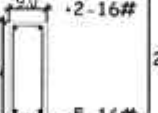
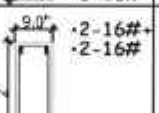
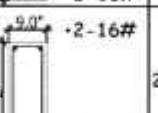
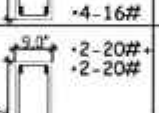
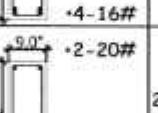
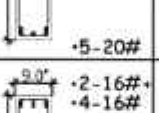
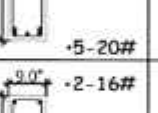
Title: First Floor Roof Beam Layout Plan

Consultants:
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7.	RB7	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
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FIRST FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
9.	RB9	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
11.	RB11	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
12.	RB12	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
13.	RB13	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
14.	RB14	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
15.	RB15	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups



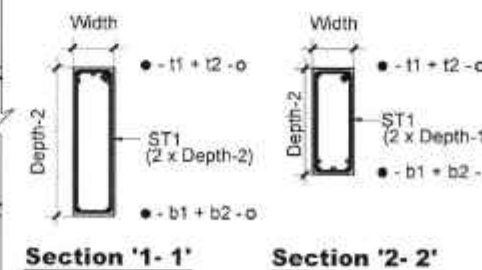
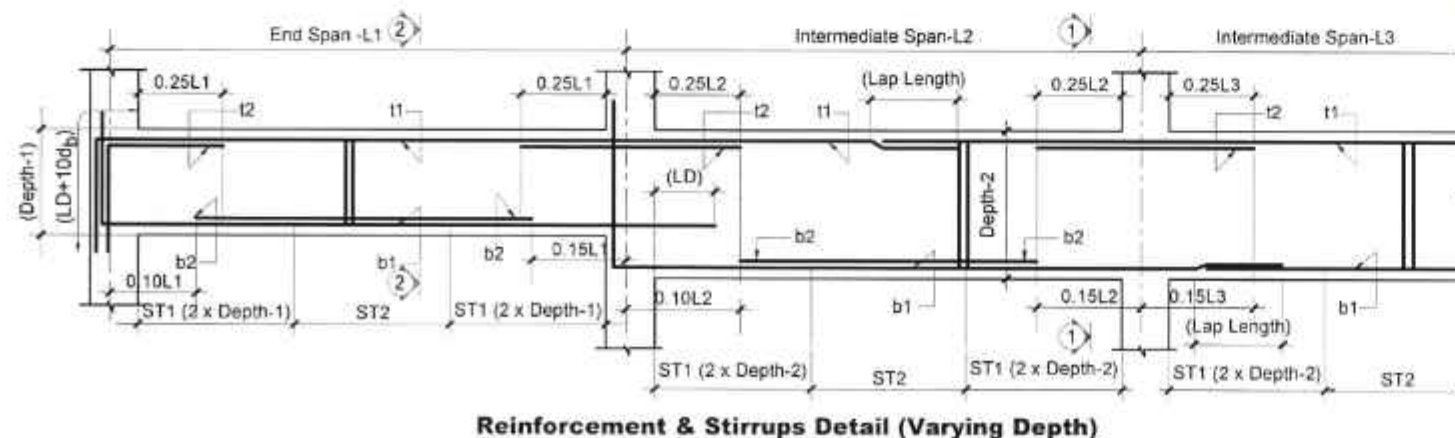
Legend

C/C - Centre to Centre
Thk. - Thickness
RB - Roof Beam
T1 - Top Through Rod
T2 - Top Extra Rod
B1 - Bottom Through Rod
B2 - Bottom Extra Rod

ST1 - Stirrups at Support (2x Beam Depth)
ST2 - Stirrups at Beam Mid Span

- 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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
 - 'y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **500D N/mm²** having elongation of 16%.
 - Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
 - Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
 - Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
 - The building has been designed for (Stilt+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C 4" Thk.
 - First Floor Roof Beam layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/106**

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GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. ☎:9677666102, 9066622951



Working Drawing

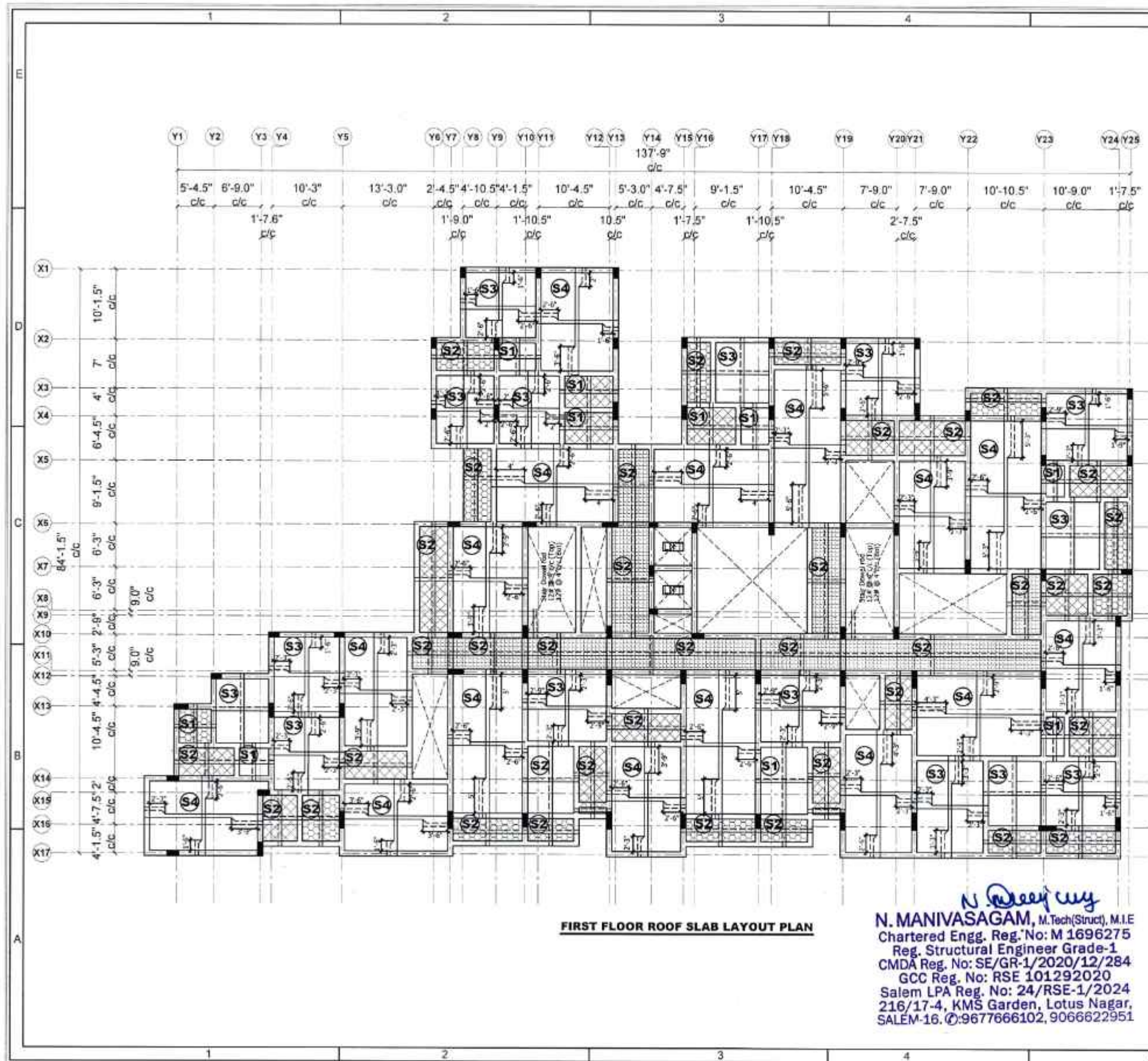
Revisions				
Rev. no.	Particulars	Date	Chkd by	Appd by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd by : N.M	

Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/106a

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title : First Floor Roof Beam Reinforcement Detail

Consultants : MADURAA CONSULTANTS
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216/17-4, KMS Garden, Lotus Nagar,
Salem - 636016, Tamil Nadu
Ph: 9677 666 102 | 9066 622 951
E-Mail: maduraconsultants@gmail.com



Legend

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

- 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 **M25** 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 **5000 N/mm²** having elongation of 16%.
 - Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
 - Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - Clear cover for column reinforcement - **1 1/2" (40mm)**
 for footing reinforcement - **2" (50mm)**
 for footing side face reinforcement - **3" (75mm)**
 - Development length of bars:
 (Ld) In Tension - **50 Ø**
 (Ld) In Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered
 - The building has been designed for (Still+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C **4" Thk.**
 - First Floor Roof Slab Reinforcement detail refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/107a**

Working Drawing				
Revisions				
Rev. no.	Particulars	Date	Chkd by	Appd by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd by : N.M	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/107

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

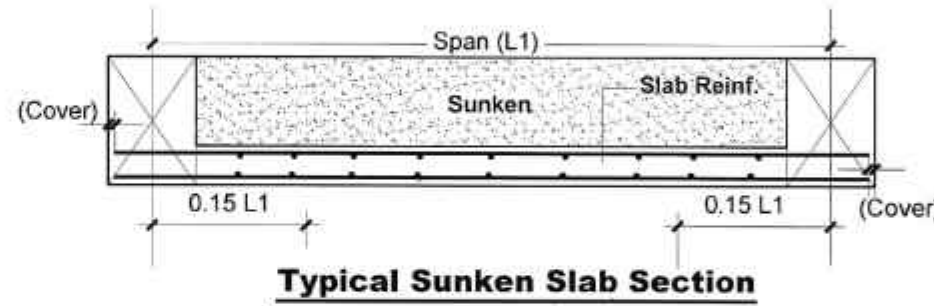
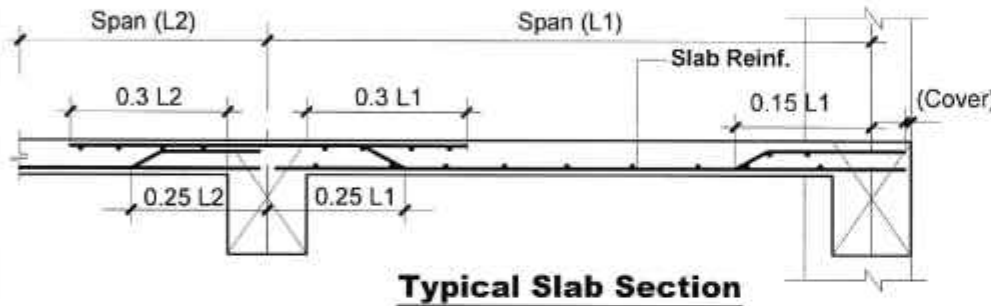
Title : First Floor Roof Slab Layout Plan

Consultants : **MADURAA CONSULTANTS**
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 216/17-4, KMS Garden, Lotus Nagar,
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 SALEM-16. @:9677666102, 9066622951

SCHEDULE FOR FIRST FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

Sl. NO	Slab Name	Type of Slab	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c
4	S4	Two way	6"	8# @ 5"c/c	8# @ 6"c/c	8# @ 5"c/c	8# @ 6"c/c



Legend:	ST1 - Stirrups at Support (2x Beam Depth)
C/C - Centre to Centre	ST2 - Stirrups at Beam Mid Span
Thk. - Thickness	
RB - Roof Beam	
T1 - Top Through Rod	
T2 - Top Extra Rod	
B1 - Bottom Through Rod	
B2 - Bottom Extra Rod	

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 **M25** 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 **500D N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Stilt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C **4"** Thk.
- First Floor Roof Slab layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/107**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd.by	Appd.by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd.by : N.M	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/107a

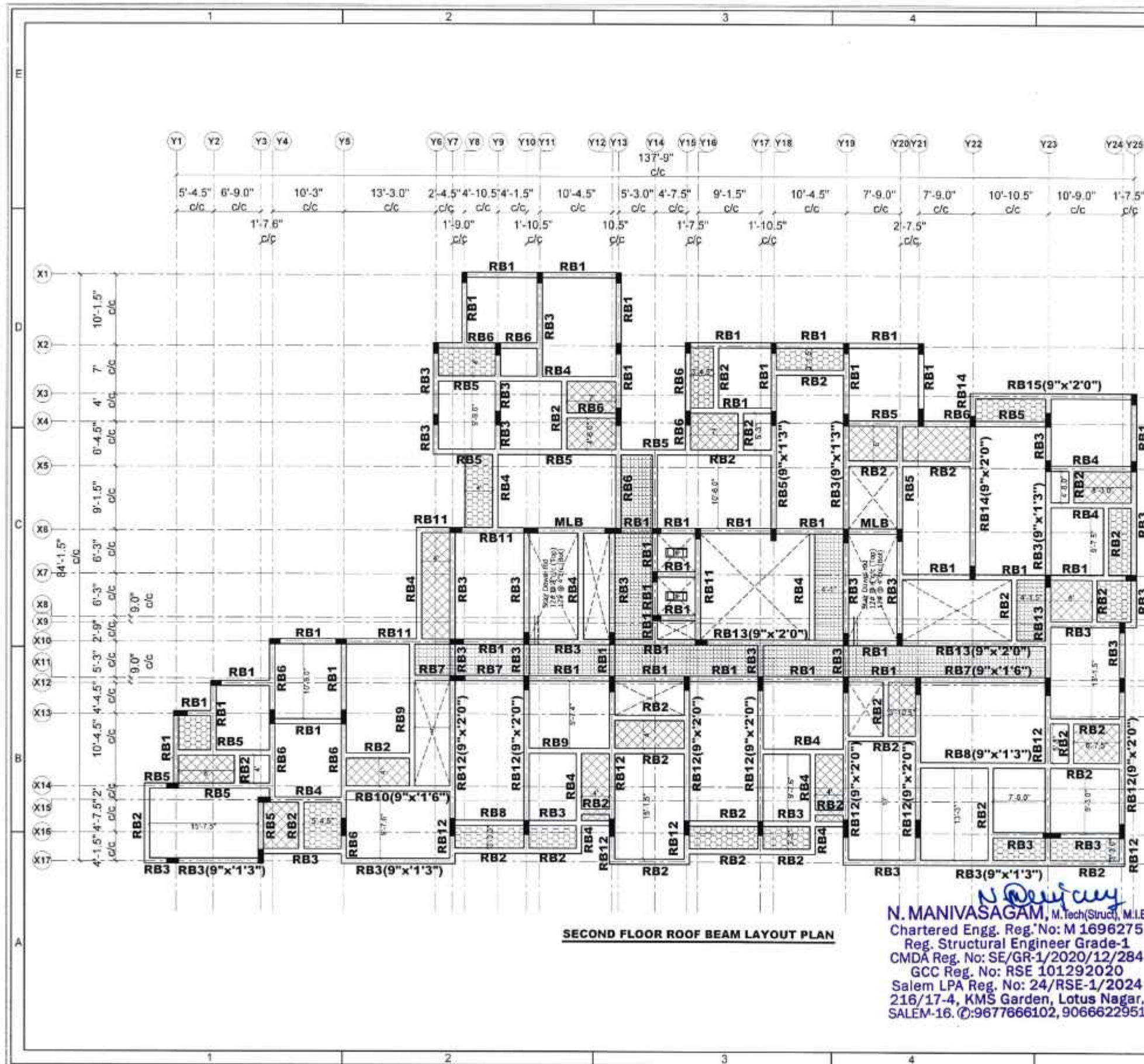
Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title : First Floor Roof Slab Reinforcement Detail

Consultants : MADURAA CONSULTANTS

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GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. @:9677666102, 9066622951



KeyPlan

Legend:

- c/c - Centre to Centre
- RB - Roof Beam
- MLB - Mid Landing Beam
- Beam & Slab Down By 3"
- Slab Down By 3"

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 **M25** 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 **500D N/mm²** having elongation of 16%.
6. Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
7. Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
8. Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
9. Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
10. The building has been designed for (Silt+5)
11. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
12. P.C.C **4" Thk.**
13. Second Floor Roof Beam Reinforcement detail refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/108a**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P	Designed by: M.S	Appd. by: N.M	

Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/108

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: Second Floor Roof Beam Layout Plan

Consultants:

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Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. @:9677666102, 9066622951

SECOND FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	RB2	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	RB3/MLB	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	RB4	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
5.	RB5	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
6.	RB6	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
7.	RB7	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
8.	RB8	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

SECOND FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
9.	RB9	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
11.	RB11	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
12.	RB12	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
13.	RB13	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
14.	RB14	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
15.	RB15	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups



Legend:

c/c	- Centre to Centre	ST1	- Stirrups at Support (2x Beam Depth)
Thk.	- Thickness	ST2	- Stirrups at Beam Mid Span
RB	- Roof Beam		
T1	- Top Through Rod		
T2	- Top Extra Rod		
B1	- Bottom Through Rod		
B2	- Bottom Extra Rod		

- 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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
 - 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **500D N/mm²** having elongation of 18%.
 - Safe bearing capacity of soil is **25T/m²** (As per Soil Report).
 - Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more).
 - Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
 - Development length of bars:
(Ld) in Tension - **50 Ø**
(Ld) in Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
 - The building has been designed for (Still+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C **4"** Thk.
 - Second Floor Roof Beam layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/108**

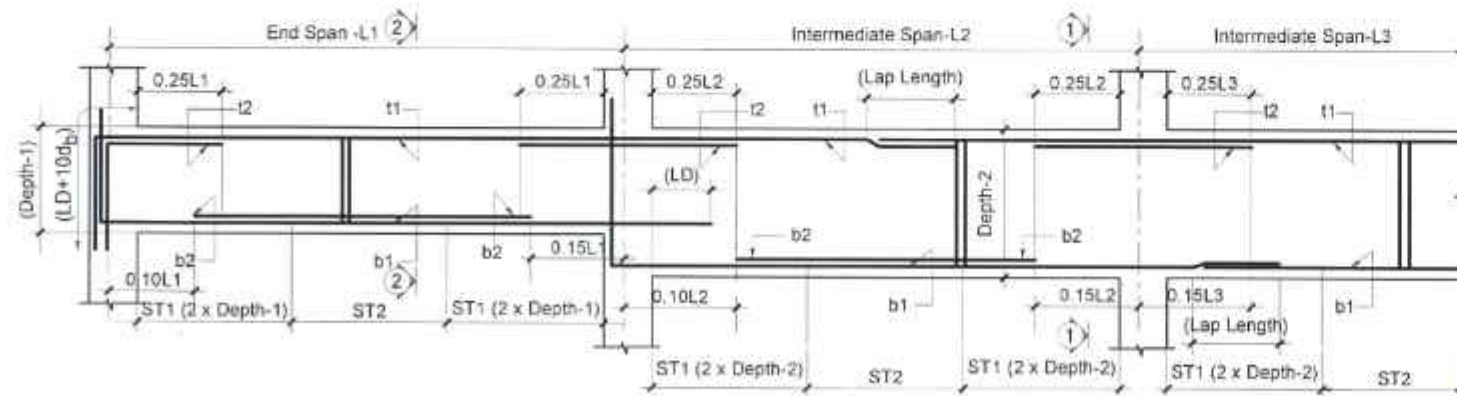
Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P.	Designed by: M.S.	Appd. by: N.M.	

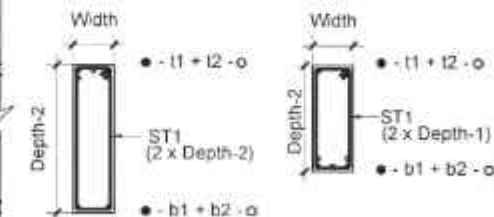
Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/108a
Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: **Second Floor Roof Beam Reinforcement Detail**

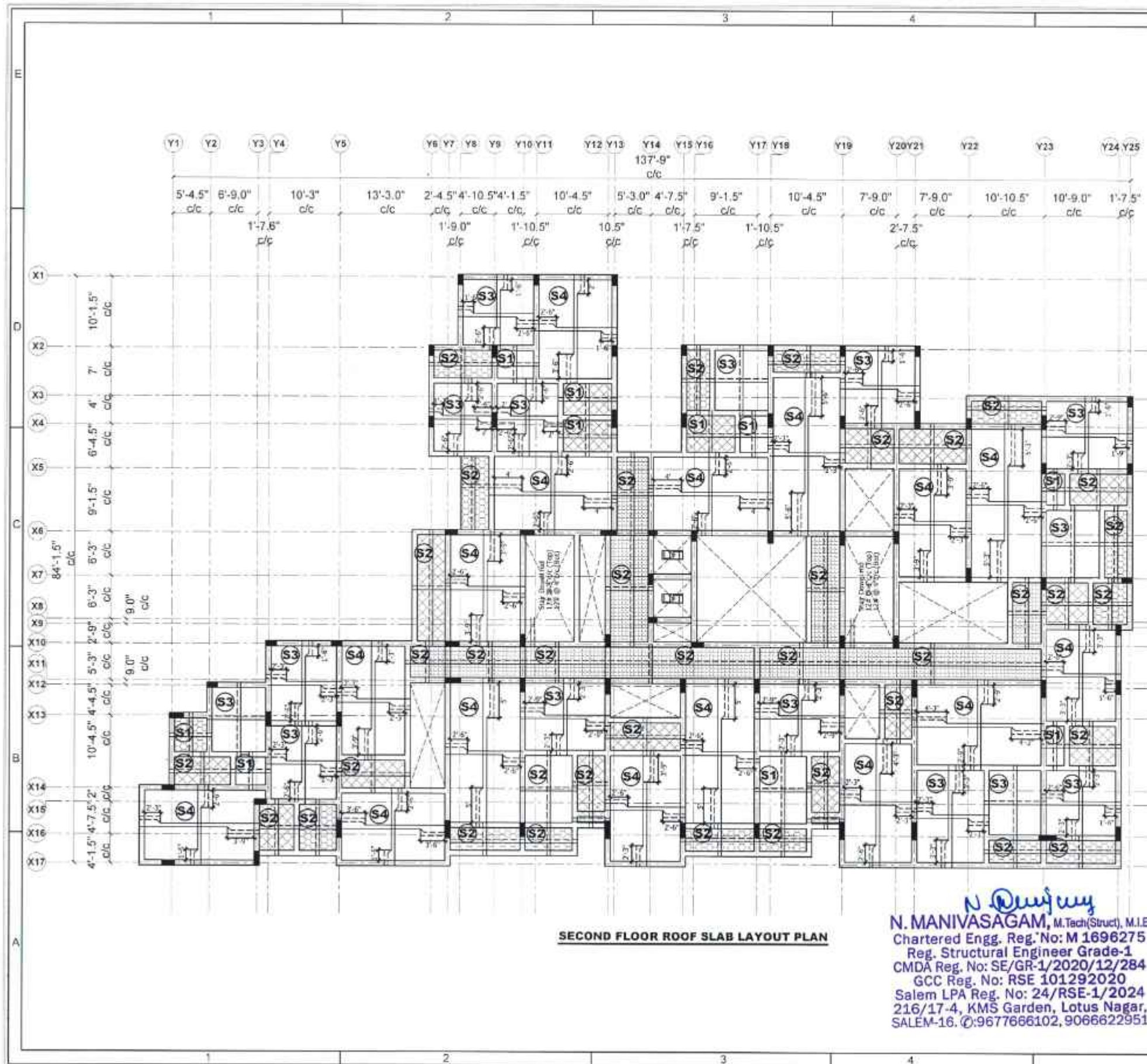
Consultants: **MADURAA CONSULTANTS**
 Structural Engineering, Civil, Planning & Project Management
 216/17-4, KMS Garden, Lotus Nagar,
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Reinforcement & Stirrups Detail (Varying Depth)



Section '1-1' **Section '2-2'**
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 CMDA Reg. No: SE/GR-1/2020/12/284
 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. ©:9677666102, 9066622951



Legend

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

- 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 **M25** 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 **5000 N/mm²** having elongation of 16%.
 - Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
 - Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - Clear cover for column reinforcement - **1 1/2" (40mm)**
 for footing reinforcement - **2" (50mm)**
 for footing side face reinforcement - **3" (75mm)**
 - Development length of bars:
 (Ld) in Tension - **50 Ø**
 (Ld) in Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered.
 - The building has been designed for (Stilt+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C **4" Thk.**
 - Second Floor Roof Slab Reinforcement detail refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/109a**

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd by	Appd by
Date: 13.01.2025	Drawn by: K.P	Designed by: M.S	Appd by: N.M	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/109

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

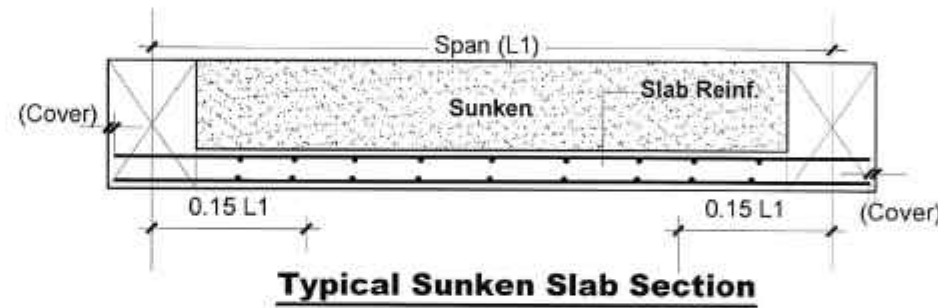
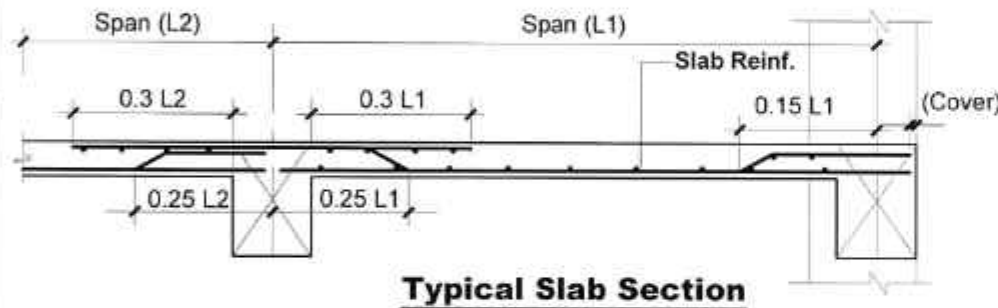
Title: Second Floor Roof Slab Layout Plan

Consultants: **MADURAA CONSULTANTS**
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 216/17-4, KMS Garden, Lotus Nagar,
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 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. @:9677666102, 9066622951

SCHEDULE FOR SECOND FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

Sl. NO	Slab Name	Type of Slab	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c
4	S4	Two way	6"	8# @ 5"c/c	8# @ 6"c/c	8# @ 5"c/c	8# @ 6"c/c



Legend:	ST1 - Stirrups at Support (2x Beam Depth)
c/c - Centre to Centre	ST2 - Stirrups at Beam Mid Span
Thk. - Thickness	
RB - Roof Beam	
T1 - Top Through Rod	
T2 - Top Extra Rod	
B1 - Bottom Through Rod	
B2 - Bottom Extra Rod	

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 **M25** 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 **500D N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
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- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Still+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C **4"** Thk.
- Second Floor Roof Slab layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/109**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd. by : N.M	

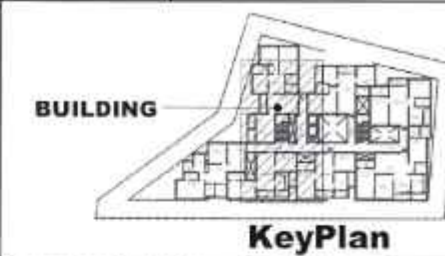
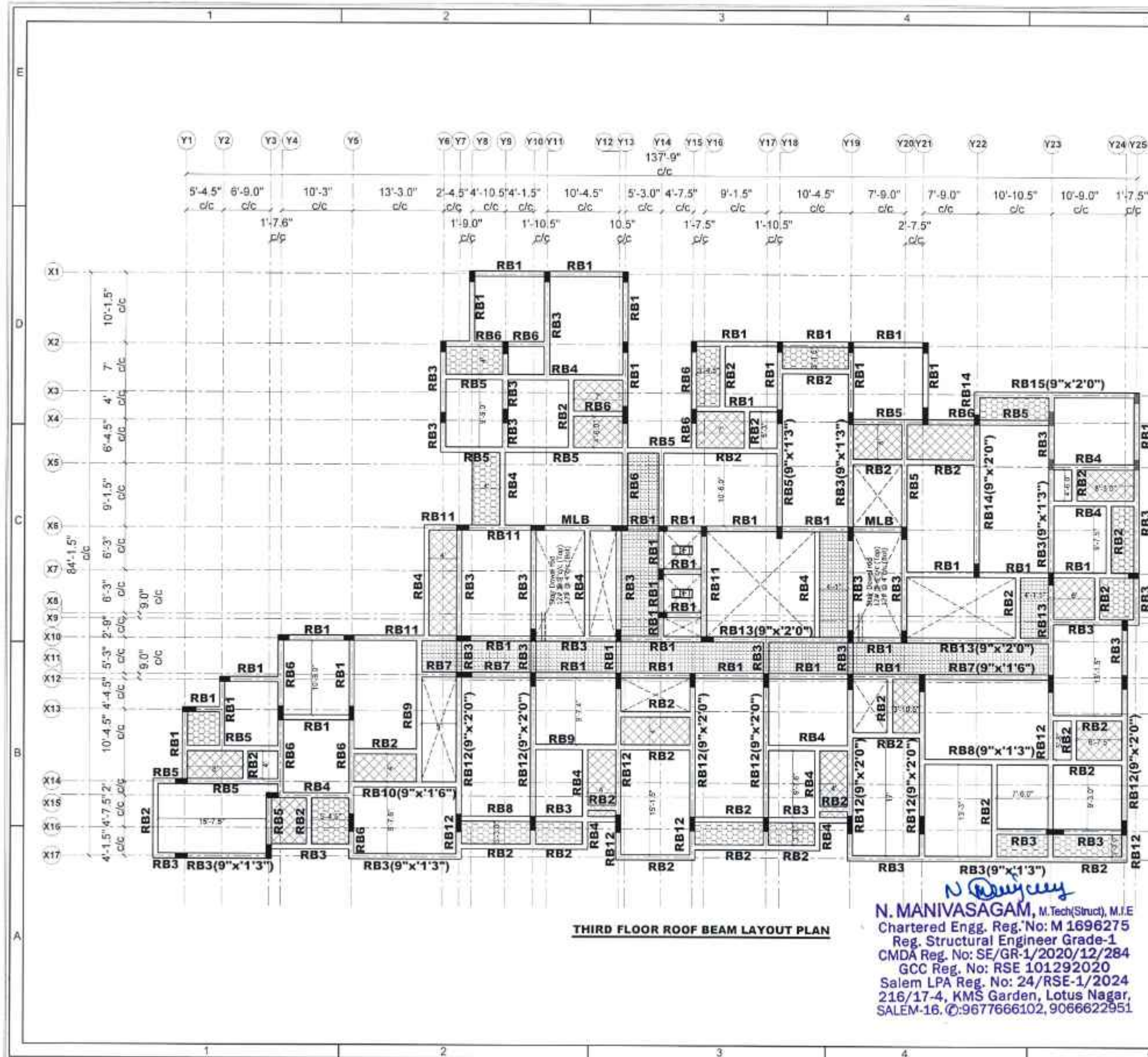
Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/109a

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title : Second Floor Roof Slab Reinforcement Detail

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GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. @:9677666102, 9066622951



- Legend**
- c/c - Centre to Centre
 - RB - Roof Beam
 - MLB - Mid Landing Beam
 - Beam & Slab Down By 3"
 - Slab Down By 3"

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 **M25** 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 **500D N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Stilt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C 4" Thk.
- Third Floor Roof Beam Reinforcement detail refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/110a**

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd. by	Appd. by
1				

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/110

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

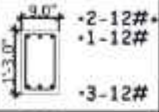
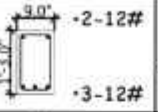
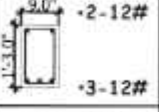
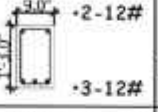
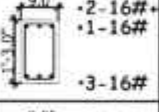
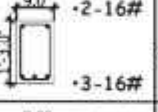
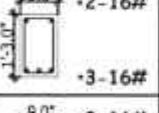
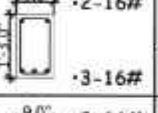
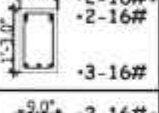
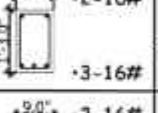
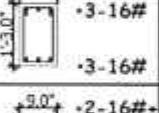
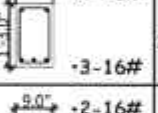
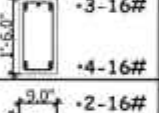
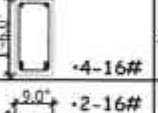
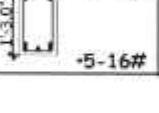
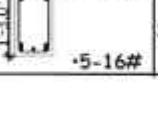
Title : Third Floor Roof Beam Layout Plan

Consultants :

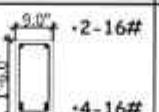
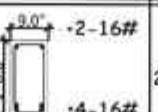
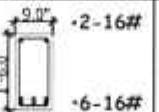
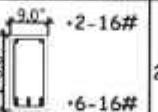
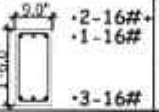
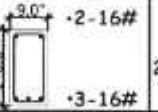
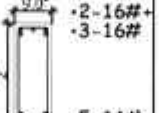
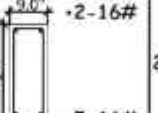
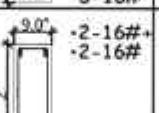
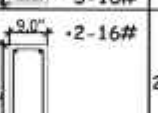
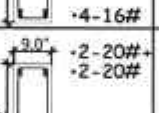
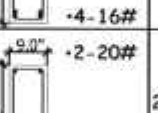
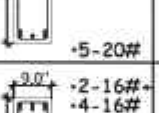
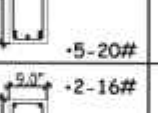
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SALEM-16. ©:9677666102, 9066622951

THIRD FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	RB2	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	RB3/MLB	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	RB4	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
5.	RB5	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
6.	RB6	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
7.	RB7	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
8.	RB8	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

THIRD FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
9.	RB9	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
11.	RB11	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
12.	RB12	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
13.	RB13	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
14.	RB14	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
15.	RB15	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups



Legend:
 c/c - Centre to Centre
 Thk. - Thickness
 RB - Roof Beam
 T1 - Top Through Rod
 T2 - Top Extra Rod
 B1 - Bottom Through Rod
 B2 - Bottom Extra Rod
 ST1 - Stirrups at Support (2x Beam Depth)
 ST2 - Stirrups at Beam Mid Span

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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
- 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **5000 N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Silt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C 4" Thk.
- Third Floor Roof Beam layout Plan refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/110**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P.	Designed by: M.S.	Appd. by: N.M.	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/110a

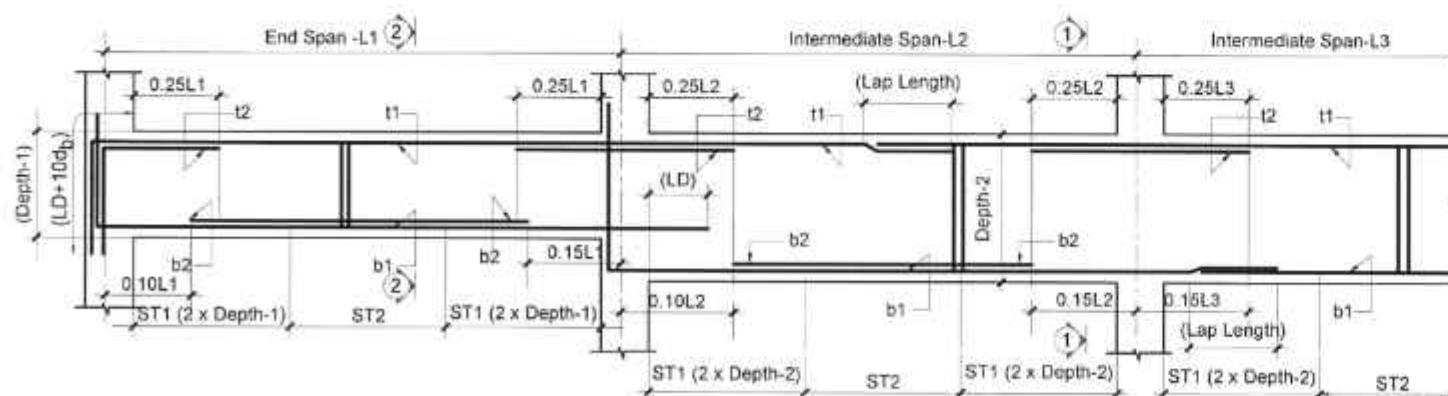
Proposed Construction of Apartment Building for Metropole Foot hills at Salem

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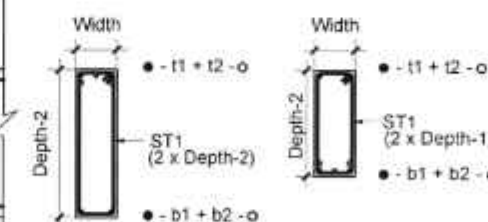
Third Floor Roof Beam Reinforcement Detail

Consultants:

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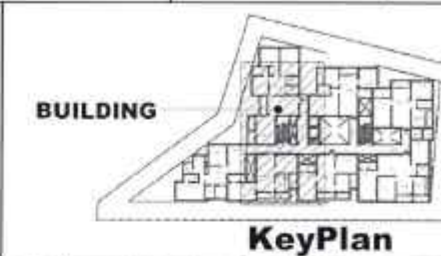
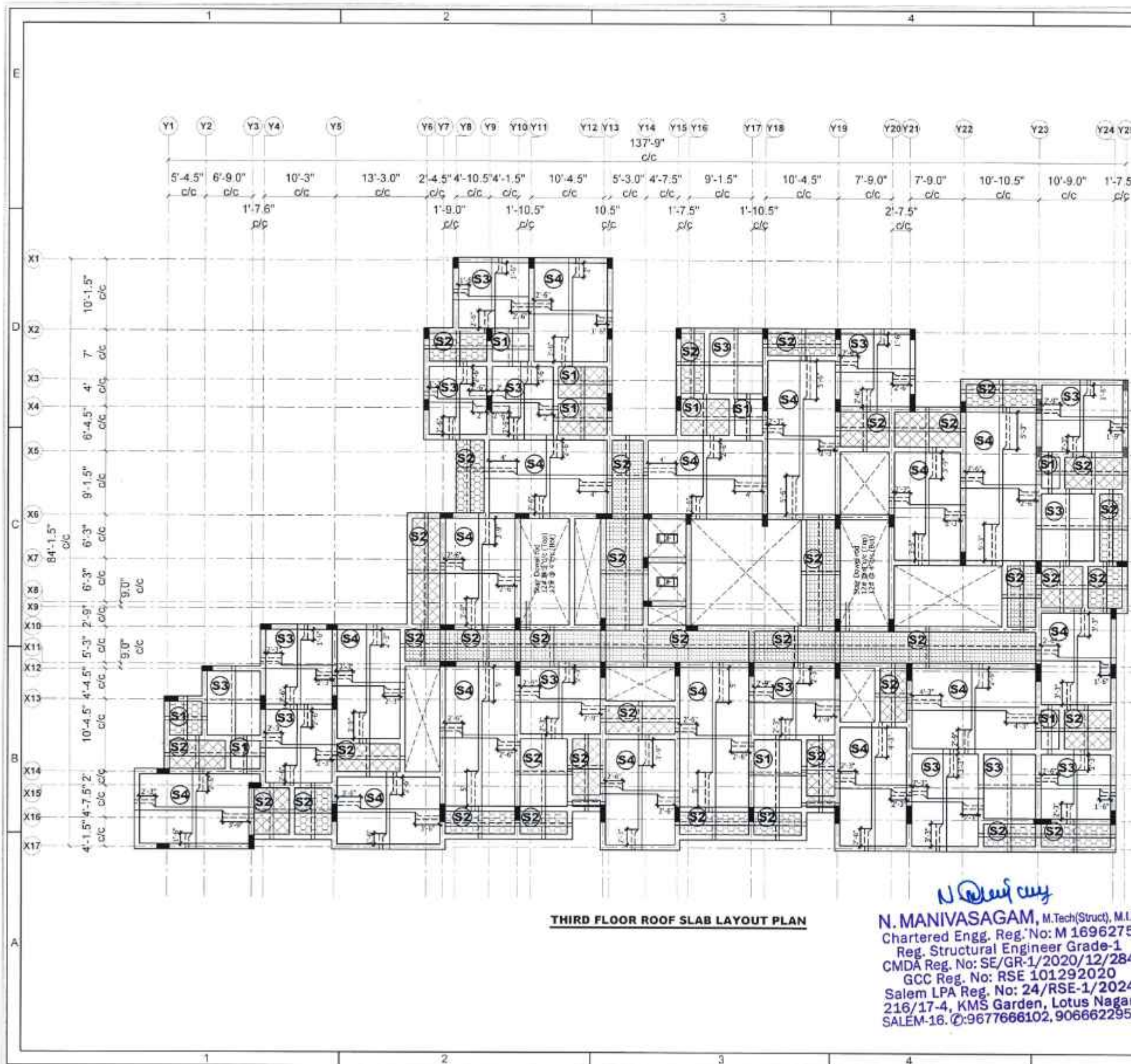
Reinforcement & Stirrups Detail (Varying Depth)



Section '1-1'

Section '2-2'

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 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. Q:9677666102, 9066622951



Legend:

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

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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
5. 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **500D N/mm²** having elongation of 16%.
6. Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
7. Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
8. Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
9. Development length of bars
(Ld) in Tension - **50 Ø**
(Ld) in Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
10. The building has been designed for (Silt-5)
11. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
12. P.C.C 4" Thk.
13. Third Floor Roof Slab Reinforcement detail refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/111a**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P.	Designed by: M.S.	Appd. by: N.M.	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/111

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: Third Floor Roof Slab Layout Plan

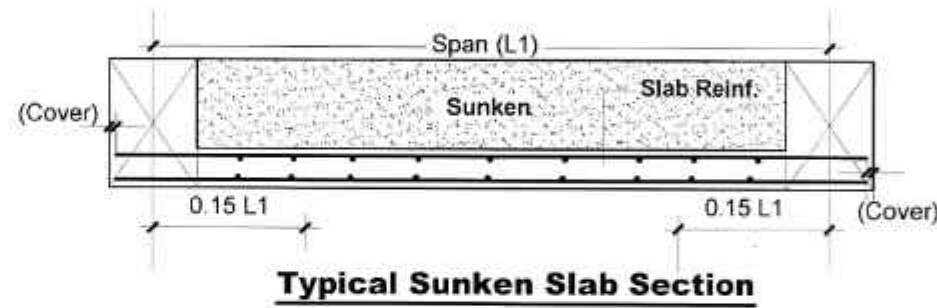
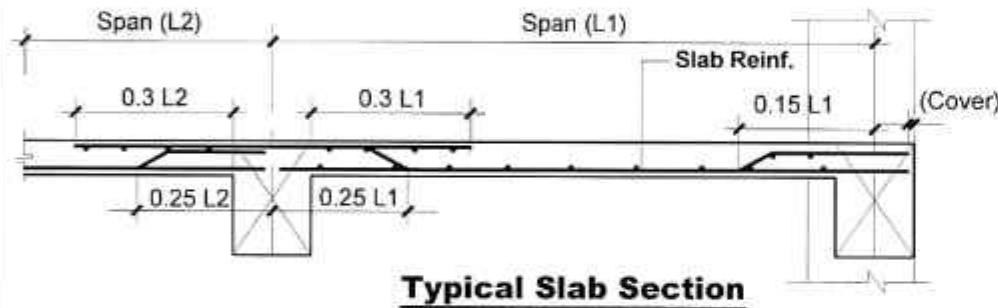
Consultants:

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SALEM-16. Q: 9677666102, 9066622951

SCHEDULE FOR THIRD FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

Sl. NO	Slab Name	Type of Slab	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c
4	S4	Two way	6"	8# @ 5"c/c	8# @ 6"c/c	8# @ 5"c/c	8# @ 6"c/c



Legend:	
c/c - Centre to Centre	ST1 - Stirrups at Support (2x Beam Depth)
Thk - Thickness	ST2 - Stirrups at Beam Mid Span
RB - Roof Beam	
T1 - Top Through Rod	
T2 - Top Extra Rod	
B1 - Bottom Through Rod	
B2 - Bottom Extra Rod	

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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
- 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **500D N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) in Tension - **50 Ø**
(Ld) in Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Still+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C 4" Thk.
- Third Floor Roof Slab layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/111**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd. by : N.M	

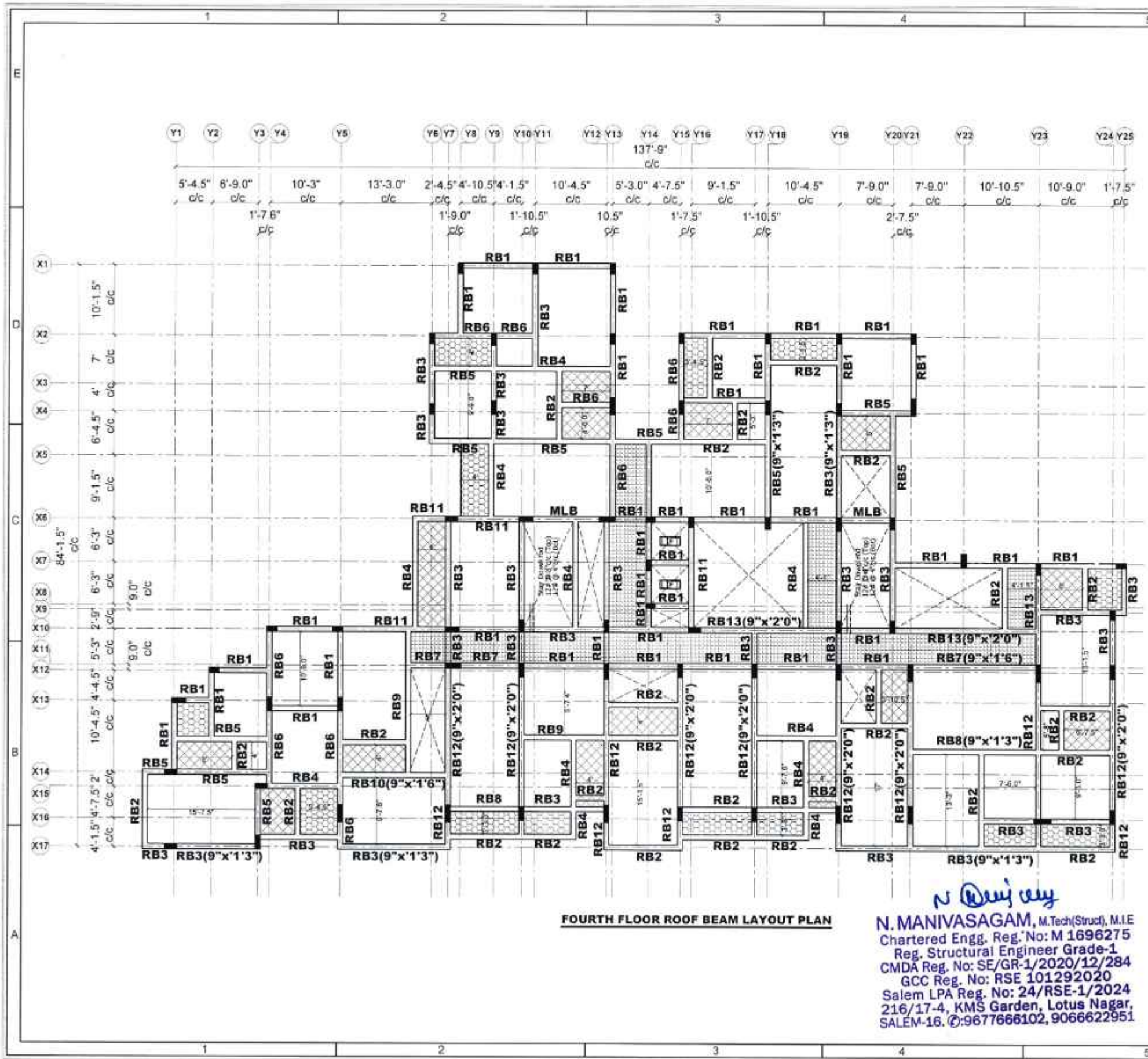
Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/111a

**Proposed Construction of Apartment
Building for Metropole Foot hills at Salem**

**Title :
Third Floor Roof Slab
Reinforcement Detail**

Consultants :
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SALEM-16. ☎: 9677666102, 9066622951



FOURTH FLOOR ROOF BEAM LAYOUT PLAN

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 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. ©:9677666102, 9066622951



- Legend:**
- c/c - Centre to Centre
 - RB - Roof Beam
 - MLB - Mid Landing Beam
 - Toilet Sunken Slab By 9"
 - Beam & Slab Down By 3"
 - Slab Down By 3"

- 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 **M25** 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 **500D N/mm²** having elongation of 16%.
 6. Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
 7. Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 8. Clear cover for column reinforcement - **1 1/2" (40mm)** for footing reinforcement - **2" (50mm)** for footing side face reinforcement - **3" (75mm)**
 9. Development length of bars:
 (Ld) In Tension - **50 Ø**
 (Ld) In Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered
 10. The building has been designed for (Stilt+5)
 11. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 12. P.C.C 4" Thk.
 13. Fourth Floor Roof Beam Reinforcement detail refer dwg. no: **MC/SLM/JN-334/MFOOT HILLS/STR/112a**

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P.	Designed by: M.S.	Appd. by: N.M.	

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/112
Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: **Fourth Floor Roof Beam Layout Plan**

Consultants: **MADURAA CONSULTANTS**
 Structural Engineering, Civil, Planning & Project Management
 216/17-4, KMS Garden, Lotus Nagar,
 Salem - 636016, Tamil Nadu
 Ph: 9677 666 102 | 9066 622 951
 E-Mail: maduraconsultants@gmail.com

FOURTH FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	RB2	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	RB3/MLB	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	RB4	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
5.	RB5	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
6.	RB6	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
7.	RB7	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
8.	RB8	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

FOURTH FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
9.	RB9	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
11.	RB11	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
12.	RB12	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
13.	RB13	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups



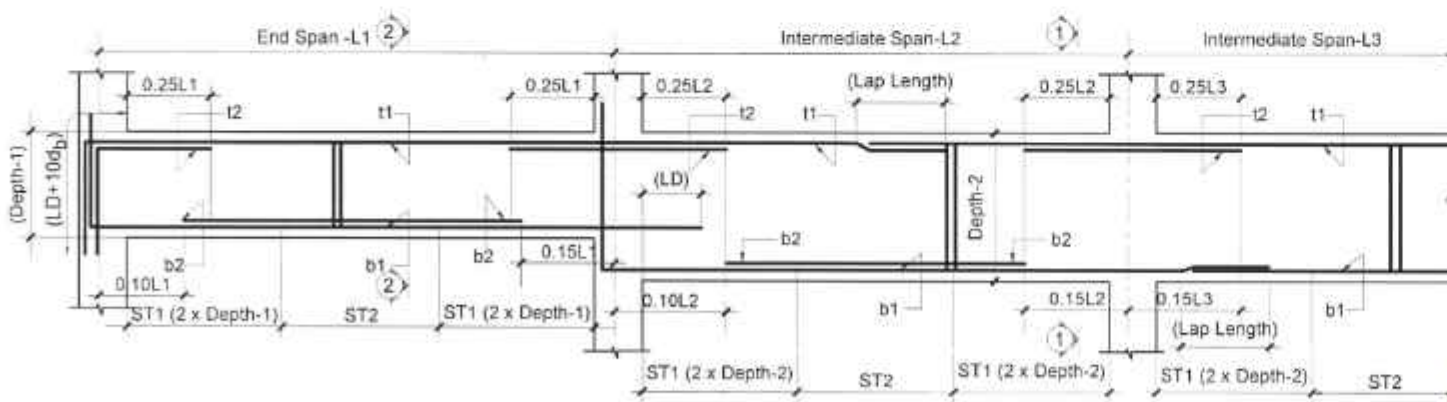
Legend:

c/c - Centre to Centre
Thk - Thickness
RB - Roof Beam
T1 - Top Through Rod
T2 - Top Extra Rod
B1 - Bottom Through Rod
B2 - Bottom Extra Rod

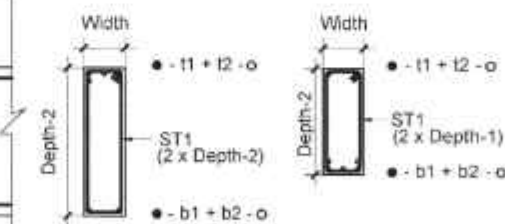
ST1 - Stirrups at Support (2x Beam Depth)
ST2 - Stirrups at Beam Mid Span

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 **M25** 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 **500D N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Still+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C 4" Thk.
- Fourth Floor Roof Beam layout Plan refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/112**



Reinforcement & Stirrups Detail (Varying Depth)



Section '1-1' **Section '2-2'**

N. MANIVASAGAM, M.Tech(Struct), M.I.E
Chartered Engg. Reg. No: **M 1696275**
Reg. Structural Engineer Grade-1
CMDA Reg. No: **SE/GR-1/2020/12/284**
GCC Reg. No: **RSE 101292020**
Salem LPA Reg. No: **24/RSE-1/2024**
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. ©:9677666102, 9066622951

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P	Designed by: M.S	Appd. by: N.M	

Dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/112a**

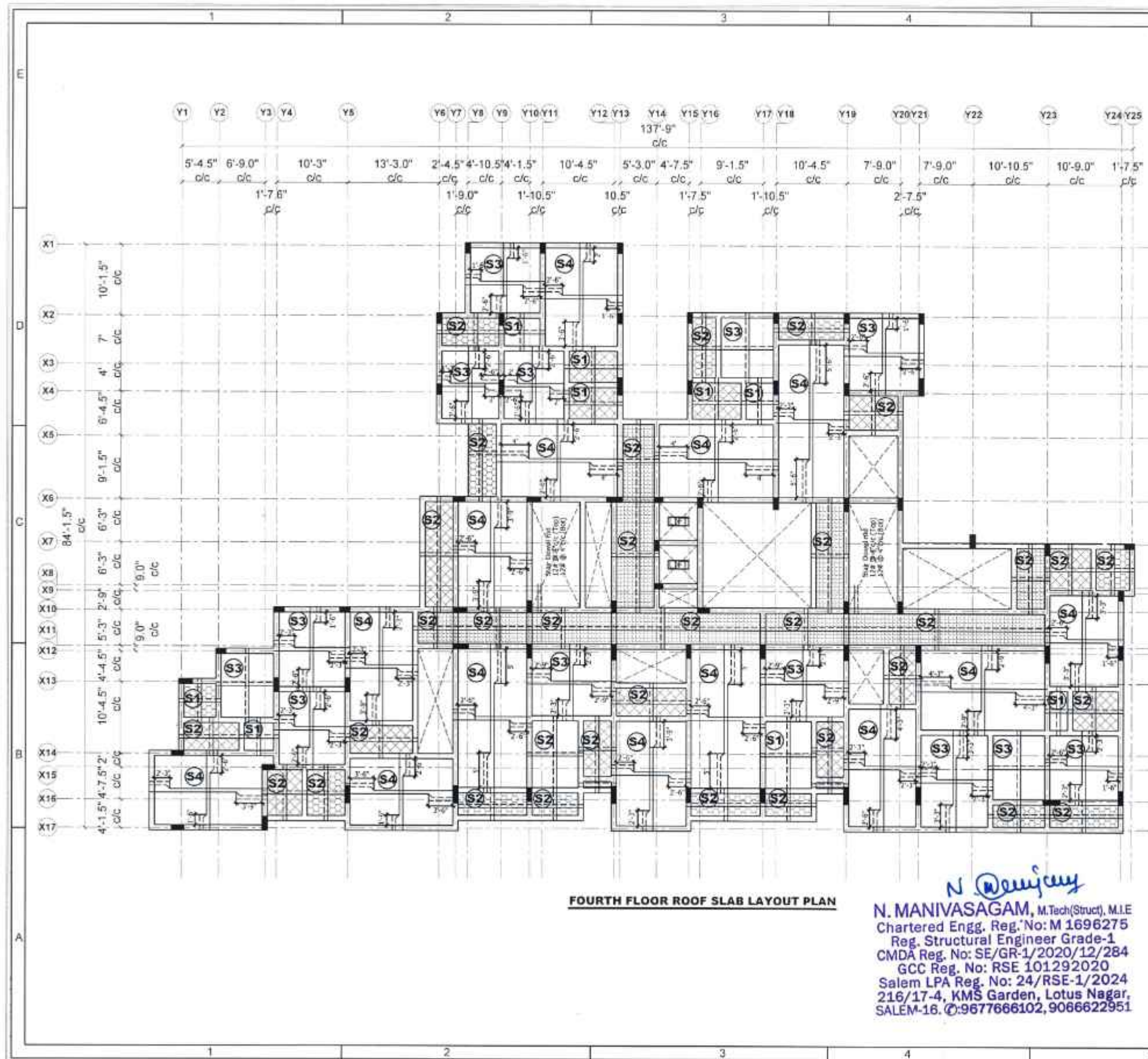
Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title:

Fourth Floor Roof Beam Reinforcement Detail

Consultants:

MADURAA CONSULTANTS
Structural Engineering, Civil, Planning & Project Management
216/17-4, KMS Garden, Lotus Nagar,
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Legend

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

- 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 **M25** 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 **500D N/mm²** having elongation of 16%.
 - Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
 - Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - Clear cover for column reinforcement - **1 1/2" (40mm)** for footing reinforcement - **2" (50mm)** for footing side face reinforcement - **3" (75mm)**
 - Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
 - The building has been designed for (Still+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C 4" Thk.
 - Fourth Floor Roof Slab Reinforcement detail refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/113a**

Working Drawing

Revisions			
Rev. no.	Particulars	Date	Chkd. by / Appd. by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd. by : N.M

Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/113

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title : Fourth Floor Roof Slab Layout Plan

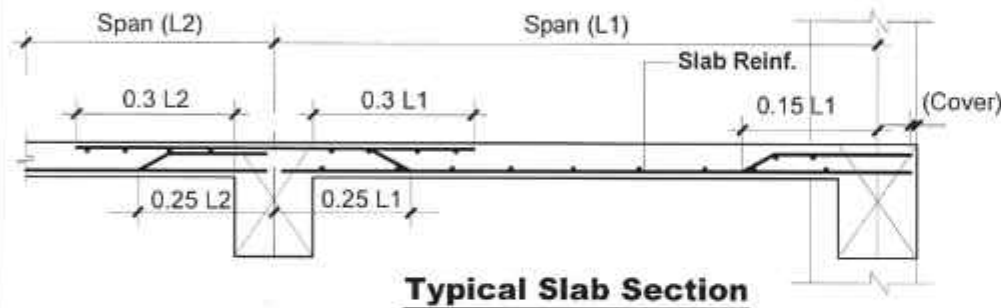
Consultants : **MADURAA CONSULTANTS**
Structural Engineering, Civil, Planning & Project Management
216/17-4, KMS Garden, Lotus Nagar,
Salem - 636016, Tamil Nadu
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FOURTH FLOOR ROOF SLAB LAYOUT PLAN

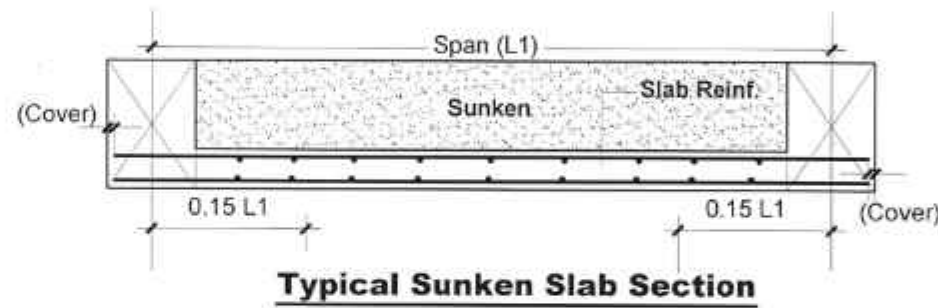
N. Manivasagam
N. MANIVASAGAM, M.Tech(Struct), M.I.E
Chartered Engg. Reg. No: M 1696275
Reg. Structural Engineer Grade-1
CMDA Reg. No: SE/GR-1/2020/12/284
GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. ©:9677666102,9066622951

SCHEDULE FOR FOURTH FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

Sl. NO	Slab Name	Type of Slab	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c
4	S4	Two way	6"	8# @ 5"c/c	8# @ 6"c/c	8# @ 5"c/c	8# @ 6"c/c



Typical Slab Section



Typical Sunken Slab Section



Legend:

c/c	- Centre to Centre	ST1	- Stirrups at Support (2x Beam Depth)
Thk.	- Thickness	ST2	- Stirrups at Beam Mid Span
RB	- Roof Beam		
T1	- Top Through Rod		
T2	- Top Extra Rod		
B1	- Bottom Through Rod		
B2	- Bottom Extra Rod		

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 **M25** for all RCC members conforming to IS 456 - 2500, unless otherwise noted.
- 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2506, Fe 500D Grade with minimum yield strength of **500D N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Silt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C 4" Thk.
- Fourth Floor Roof Slab layout Plan refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/113**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd by	Appd by
Date : 13.01.2025	Drawn by : K.P	Designed by : M.S	Appd by : N.M	

Dwg no : MC/SLM/JN-334/MFOOT HILLS/STR/113a

Proposed Construction of Apartment
Building for Metropole Foot hills at Salem

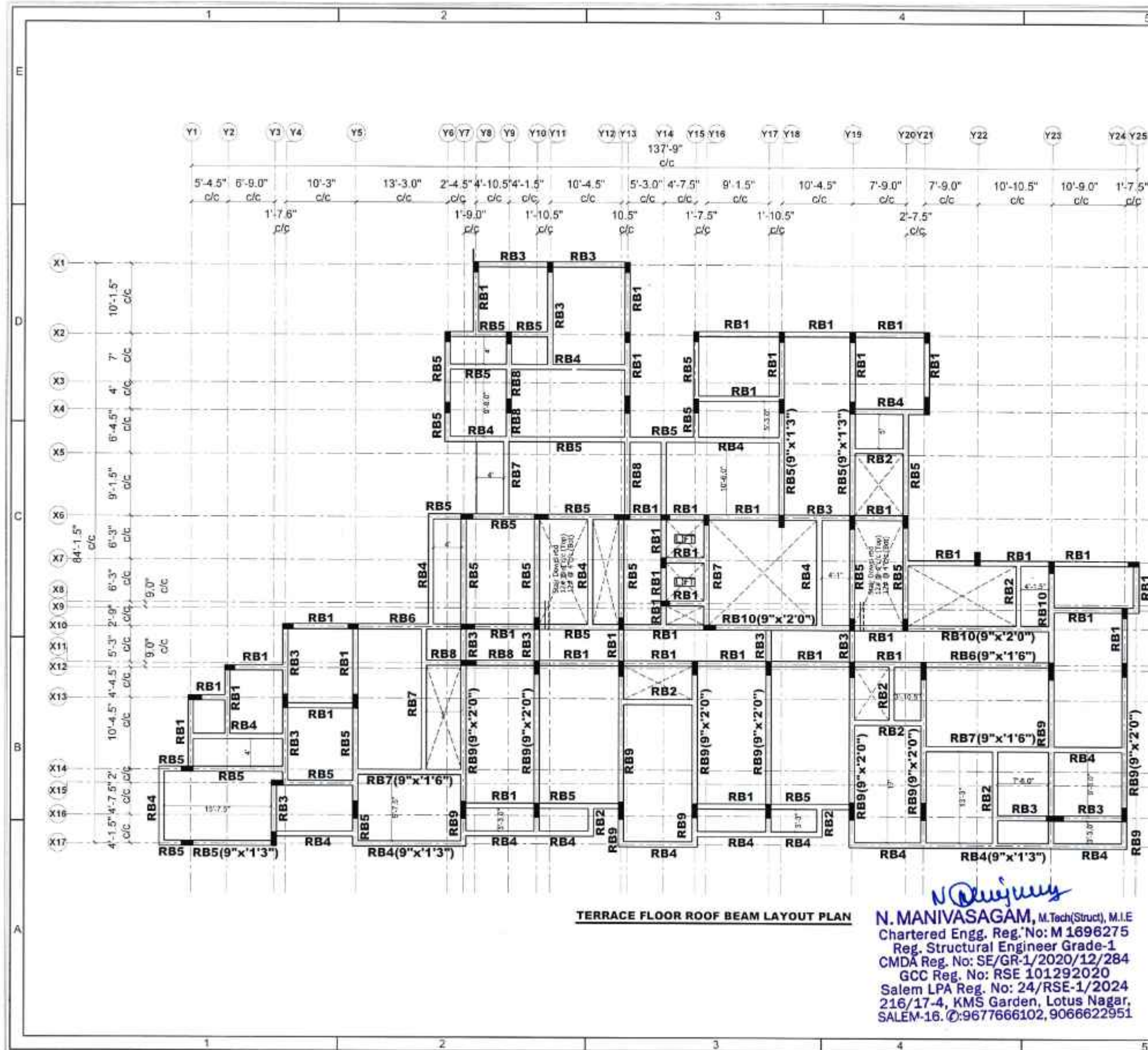
Title :

**Fourth Floor Roof Slab
Reinforcement Detail**

Consultants :

MADURAA CONSULTANTS
Structural Engineering, Civil, Planning & Project Management
216/17-4, KMS Garden, Lotus Nagar,
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GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. @:9677666102, 9066622951



Legend:
 c/c - Centre to Centre
 RB - Roof 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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
- 'y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **5000 N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
 for footing reinforcement - **2" (50mm)**
 for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
 (Ld) in Tension - **50 Ø**
 (Ld) in Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Still+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C **4"** Thk.
- Terrace Floor Roof Beam Reinforcement detail refer dwg.no: **MC/SLM/JN-334/MFOOT HILLS/STR/114a**

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd. by	Appd. by
Date: 13.01.2025	Drawn by: K.P	Designed by: M.S	Appd. by: N.M	

Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/114

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title: Terrace Floor Roof Beam Layout Plan

Consultants: MADURAA CONSULTANTS
 Structural Engineering, Civil, Planning & Project Management
 216/17-4, KMS Garden, Lotus Nagar,
 Salem - 636016, Tamil Nadu
 Ph: 9677 666 102 | 9066 622 951
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 CMDA Reg. No: SE/GR-1/2020/12/284
 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. ©:9677666102, 9066622951

TERRACE FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	RB2	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	RB3	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	RB4	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
5.	RB5	0'9" x 1'3"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
6.	RB6	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

TERRACE FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
7.	RB7	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
8.	RB8	0'9" x 1'6"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
9.	RB9	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 2'0"			8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups



Legend:
 c/c - Centre to Centre
 Thk - Thickness
 RB - Roof Beam
 T1 - Top Through Rod
 T2 - Top Extra Rod
 B1 - Bottom Through Rod
 B2 - Bottom Extra Rod
 ST1 - Stirrups at Support (2x Beam Depth)
 ST2 - Stirrups at Beam Mid Span

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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
- 'y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **5000 N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Stilt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C 4" Thk.
- Fourth Floor Roof Beam layout Plan refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/114**

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd by	Appd by
1				

Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/114a

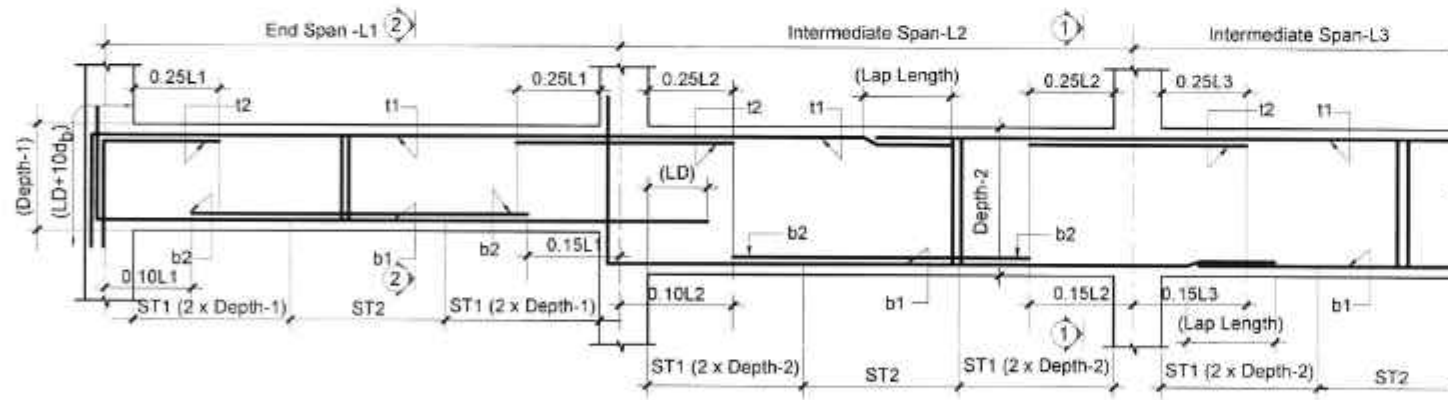
**Proposed Construction of Apartment
Building for Metropole Foot hills at Salem**

Title :

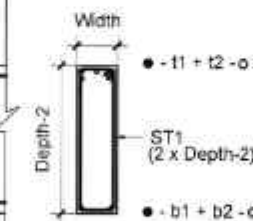
**Fourth Floor Roof Beam
Reinforcement Detail**

Consultants :

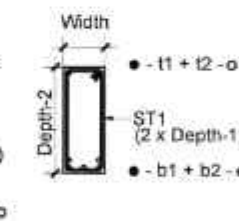
MADURAA CONSULTANTS
 Structural Engineering, Civil, Planning & Project Management
 216/17-4, KMS Garden, Lotus Nagar,
 Salem - 636018, Tamil Nadu
 Ph: 9677 666 102 | 9066 622 951
 E-Mail: maduraconsultants@gmail.com



Reinforcement & Stirrups Detail (Varying Depth)

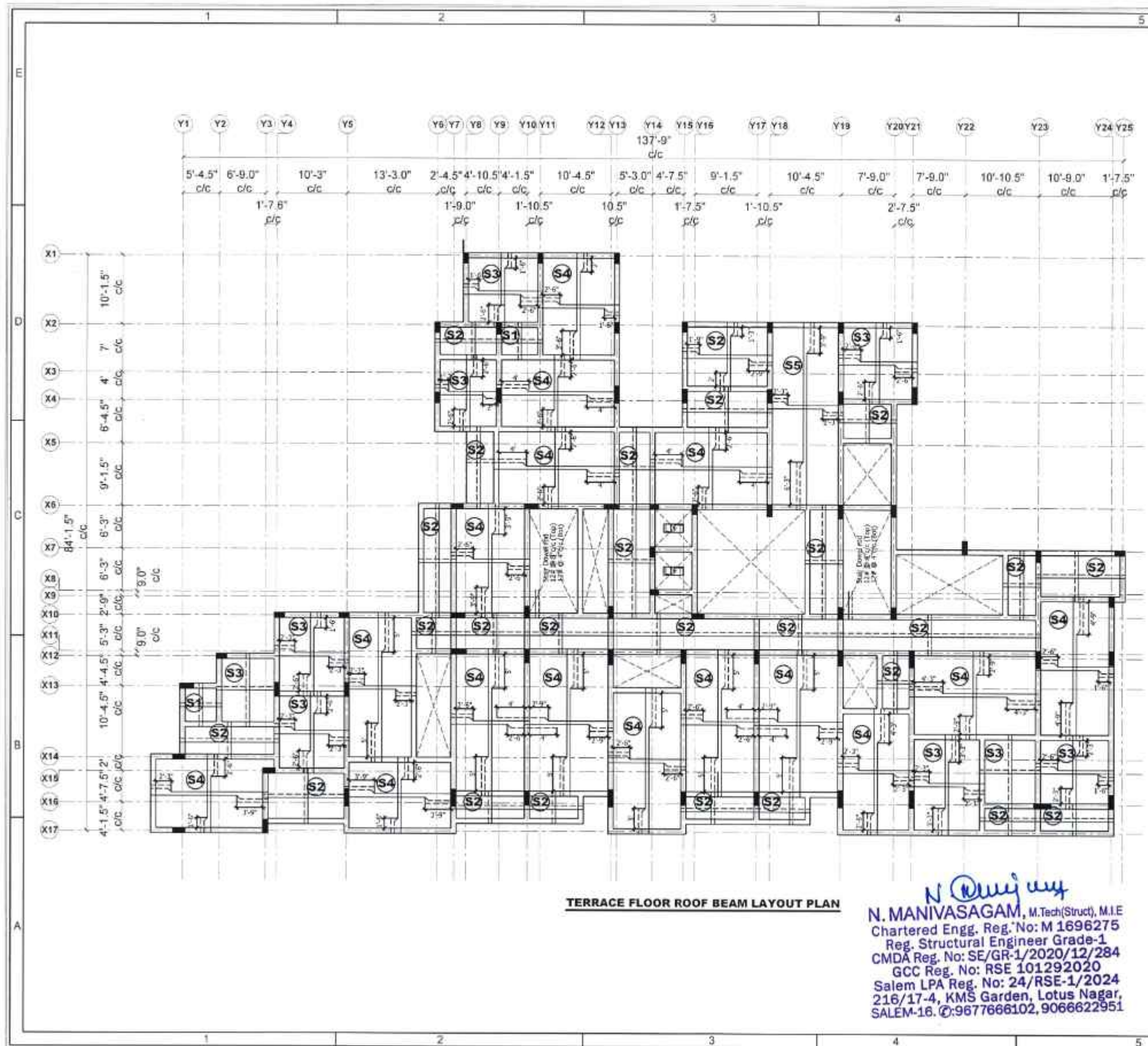


Section '1- 1'



Section '2- 2'

N. Manivasagam
N. MANIVASAGAM, M.Tech(Struct), M.I.E
 Chartered Engg. Reg. No: M 1696275
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 CMDA Reg. No: SE/GR-1/2020/12/284
 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. ©:9677666102, 9066622951



TERRACE FLOOR ROOF BEAM LAYOUT PLAN

N. Manivasagam
N. MANIVASAGAM, M.Tech(Struct), M.I.E
 Chartered Engg. Reg. No: M 1696275
 Reg. Structural Engineer Grade-1
 CMDA Reg. No: SE/GR-1/2020/12/284
 GCC Reg. No: RSE 101292020
 Salem LPA Reg. No: 24/RSE-1/2024
 216/17-4, KMS Garden, Lotus Nagar,
 SALEM-16. @:9677666102, 9066622951



Key Plan

Legend:
 c/c - Centre to Centre
 S - Roof Slab
 --- - Top
 --- - Bottom

- 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 **M25** 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 **500D N/mm²** having elongation of 16%.
 - Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
 - Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
 - Clear cover for column reinforcement - **1 1/2" (40mm)**
 for footing reinforcement - **2" (50mm)**
 for footing side face reinforcement - **3" (75mm)**
 - Development length of bars:
 (Ld) In Tension - **50 Ø**
 (Ld) In Compression - **40 Ø**
 For **M25** grade of concrete & shall be kept staggered
 - The building has been designed for (Slab+5)
 - Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
 - P.C.C 4" Thk.
 - Terrace Floor Roof Slab Reinforcement detail refer dwg no: **MC/SLM/JN-334/MFOOT HILLS/STR/115a**

Working Drawing

Revisions				
Rev. no.	Particulars	Date	Chkd by	Appd by
Date : 13.01.2025	Drawn by : K.P.	Designed by : M.S.	Appd by : N.M.	

Dwg no: MC/SLM/JN-334/MFOOT HILLS/STR/115

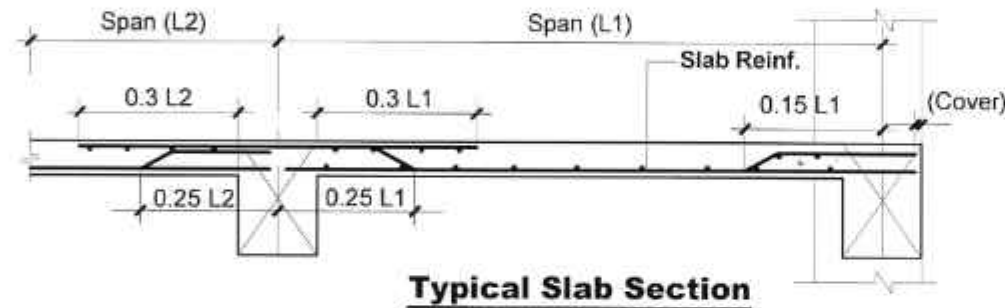
Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title : Terrace Floor Roof Slab Layout Plan

Consultants : MADURAA CONSULTANTS
 Structural Engineering, Civil, Planning & Project Management
 216/17-4, KMS Garden, Lotus Nagar,
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 Ph: 9677 666 102 | 9066 622 951
 E-Mail: maduraaconsultants@gmail.com

SCHEDULE FOR TERRACE FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

Sl. NO	Slab Name	Type of Slab	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c	8# @ 6"c/c
4	S4	Two way	6"	8# @ 5"c/c	8# @ 6"c/c	8# @ 5"c/c	8# @ 6"c/c
5	S5	One way	6"	10# @ 5"c/c	10# @ 6"c/c	10# @ 5"c/c	10# @ 6"c/c



Legend :

c/c	- Centre to Centre	ST1	- Stirrups at Support (2x Beam Depth)
Thk.	- Thickness	ST2	- Stirrups at Beam Mid Span
RB	- Roof Beam		
T1	- Top Through Rod		
T2	- Top Extra Rod		
B1	- Bottom Through Rod		
B2	- Bottom Extra Rod		

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 **M25** for all RCC members conforming to IS 456 - 2000, unless otherwise noted.
- 'Y' Designate steel reinforcement diameter, and shall conform to IS-1786 - 2008, Fe 500D Grade with minimum yield strength of **5000 N/mm²** having elongation of 16%.
- Safe bearing capacity of soil is **25T/m²** (As per Soil Report)
- Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
- Clear cover for column reinforcement - **1 1/2" (40mm)**
for footing reinforcement - **2" (50mm)**
for footing side face reinforcement - **3" (75mm)**
- Development length of bars:
(Ld) In Tension - **50 Ø**
(Ld) In Compression - **40 Ø**
For **M25** grade of concrete & shall be kept staggered
- The building has been designed for (Silt+5)
- Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
- P.C.C. **4"** Thk.
- Terrace Floor Roof Slab layout Plan refer dwg.no. **MC/SLM/JN-334/MFOOT HILLS/STR/115**

Working Drawing

Revisions

Rev. no.	Particulars	Date	Chkd. by	Appd. by

Date : 13.01.2025 Drawn by : K.P. Designed by : M.S. Appd. by : N.M.

Dwg no.: MC/SLM/JN-334/MFOOT HILLS/STR/115a

Proposed Construction of Apartment Building for Metropole Foot hills at Salem

Title : Terrace Floor Roof Slab Reinforcement Detail

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