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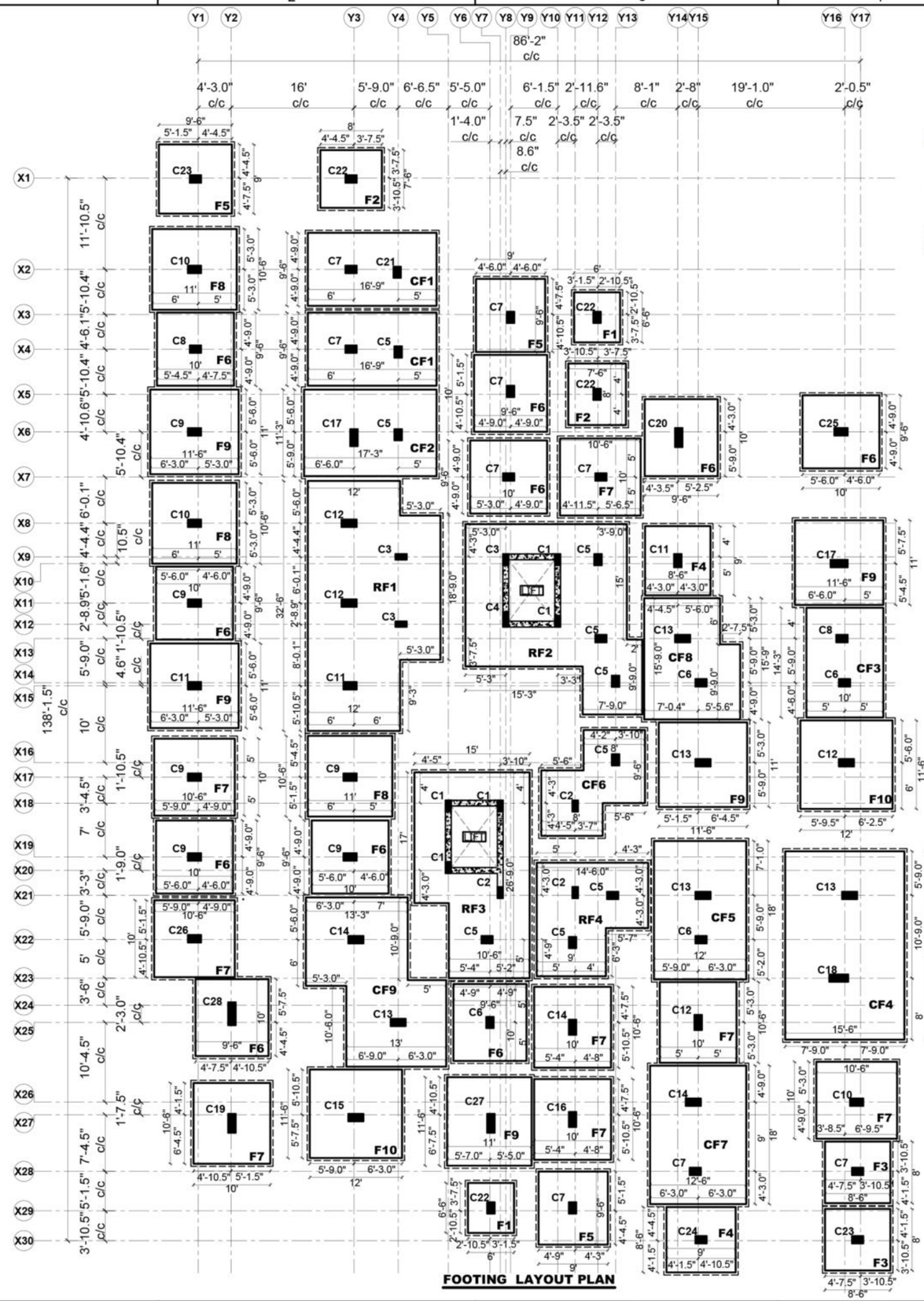
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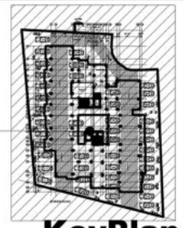
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DIGITALLY VERIFIED RECORD



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



KeyPlan

Legend :

c/c - Centre to Centre
C - Column
CF - Combined Footing
F - Isolated Footing
RF - Raft 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 **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 **15T/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. Footing Reinforcement detail refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/101a**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Footing Layout Plan

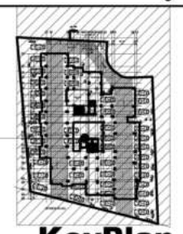
Consultants :
MADURAA CONSULTANTS
Structural Engineering, Civil, Planning & Project Management
216/17-4, KMS Garden, Lotus Nagar,
Salem - 636016. Tamil Nadu
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E-Mail: maduraaconsultants@gmail.com

FOOTING REINFORCEMENT DETAIL

S.No	No.of Footings	Footing Type	Footing Size (Lx x Ly)	Footing Depth (D)	Footing Reinforcement detail (Bottom)		Footing Reinforcement detail (Top)	
					Along Shorter Span (Lx)	Along Longer Span (Ly)	Along Shorter Span (Lx)	Along Longer Span (Ly)
1.	2	F1	6'0" X 6'6"	18"	Y10 @ 5"c/c	Y10 @ 5"c/c	-	-
2.	2	F2	7'6" X 8'0"	21"	Y10 @ 5"c/c	Y10 @ 5"c/c	-	-
3.	2	F3	8'0" X 8'6"	21"	Y10 @ 5"c/c	Y10 @ 5"c/c	-	-
4.	2	F4	8'6" X 9'0"	22"	Y10 @ 4"c/c	Y10 @ 4"c/c	-	-
5.	3	F5	9'0" X 9'6"	24"	Y10 @ 4"c/c	Y10 @ 4"c/c	-	-
6.	10	F6	9'6" X 10'0"	24"	Y10 @ 4"c/c	Y10 @ 4"c/c	-	-
7.	8	F7	10'0" X 10'6"	26"	Y12 @ 5"c/c	Y12 @ 5"c/c	-	-
8.	3	F8	10'6" X 11'0"	26"	Y12 @ 5"c/c	Y12 @ 5"c/c	-	-
9.	5	F9	11'0" X 11'6"	28"	Y12 @ 5"c/c	Y12 @ 5"c/c	-	-
10.	2	F10	11'6" X 12'0"	28"	Y12@ 4"c/c	Y12@ 4"c/c	-	-
11.	2	CF1	9'6" X 16'9"	26"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101c			
12.	1	CF2	11'3" X 17'3"	26"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101c			
13.	1	CF3	10'0" X 14'3"	24"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101d			
14.	1	CF4	15'6" X 24'6"	28"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101d			
15.	1	CF5	12'0" X 18'0"	28"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101e			
16.	1	CF6	REFERPLAN	26"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101e			
17.	1	CF7	12'6" X 18'0"	30"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101f			
18.	1	CF8	REFERPLAN	26"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101f			
19.	1	CF9	REFERPLAN	28"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101g			
20.	1	RF1	REFERPLAN	26"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101h			
21.	1	RF2	REFERPLAN	24"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101j			
22.	1	RF3	REFERPLAN	22"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101k			
23.	1	RF4	REFERPLAN	22"	For Footing Layout & Reinforcement Detail Refer Dwg No:101 To 101m			

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

BUILDING



KeyPlan

N

Legend :

c/c - Centre to Centre
Eq. - Equal
Typ. - Typical
——— - Bottom bar
- - - - Top bar
B - Bottom rod
T - Top rod
RF - Raft Footing
CF - Combined Footing
Ld -Developement Length
D - Depth of Footing
A - Shorter Span of Column
B - Longer Span of Column

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Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

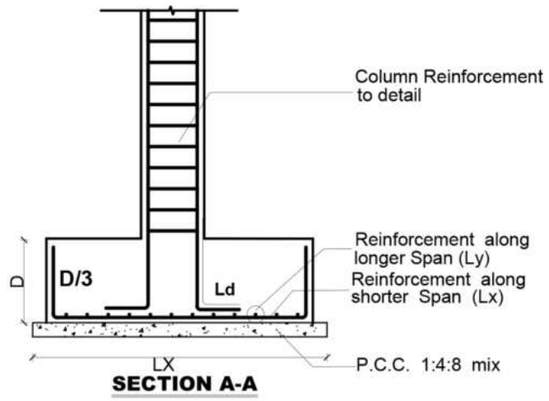
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101a

Proposed Construction of Apartment Building for Metropole OG at Salem

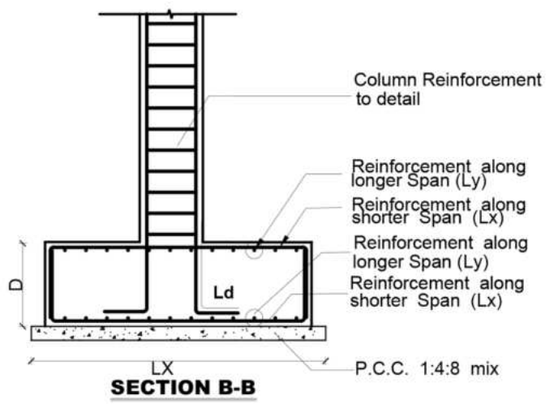
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Footing Reinforcement Detail-1/11

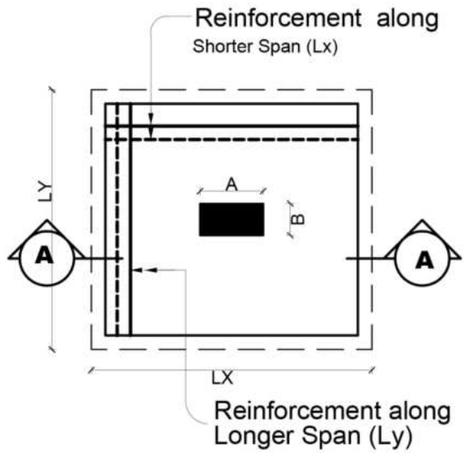
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SECTION A-A



SECTION B-B

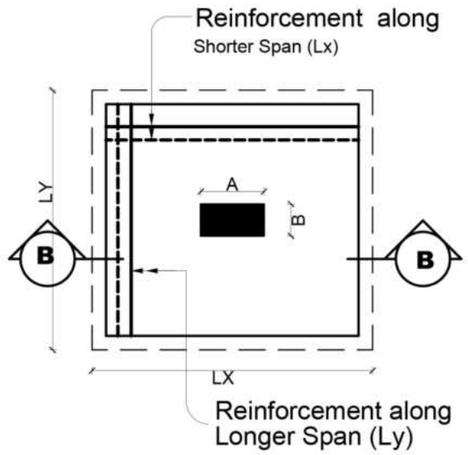


Plan

Typical Column Footing

Detail without Pedestal

Scale :- NTS



Plan

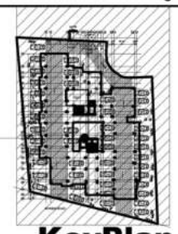
Typical Column Footing

Detail without Pedestal

Scale :- NTS

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

BUILDING



KeyPlan

Legend :

c/c	- Centre to Centre	Ld	-Developement Length
Eq.	- Equal	D	- Depth of Footing
Typ.	- Typical	A	- Shorter Span of Column
———	- Bottom bar	B	- Longer Span of Column
- - -	- Top bar		
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Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101b

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

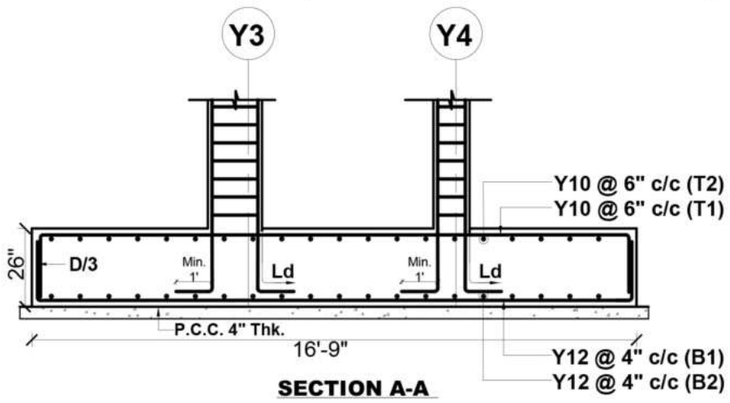
Footing Reinforcement Detail-2/11

Consultants :

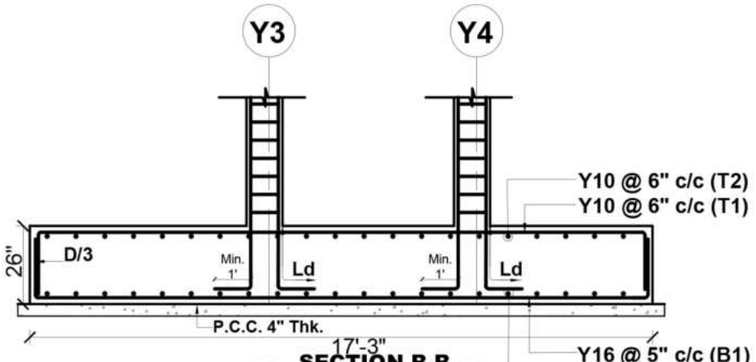
MADURAA CONSULTANTS

Structural Engineering, Civil, Planning & Project Management

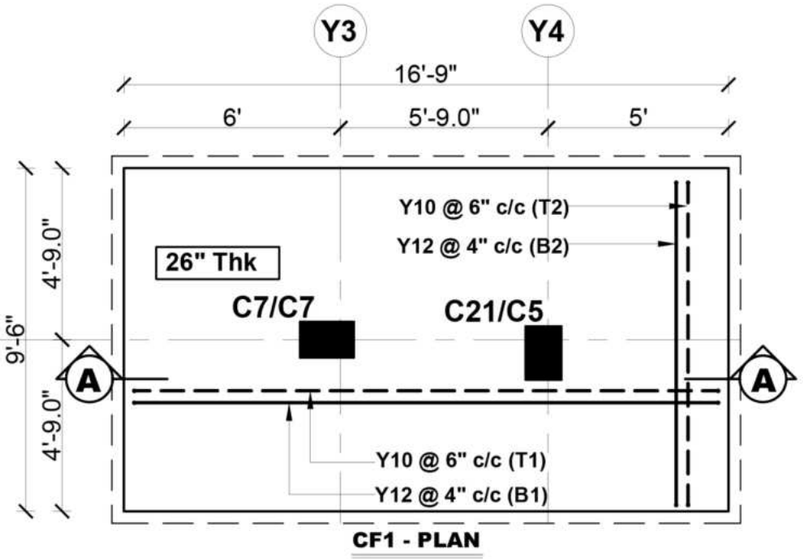
216/17-4, KMS Garden, Lotus Nagar,
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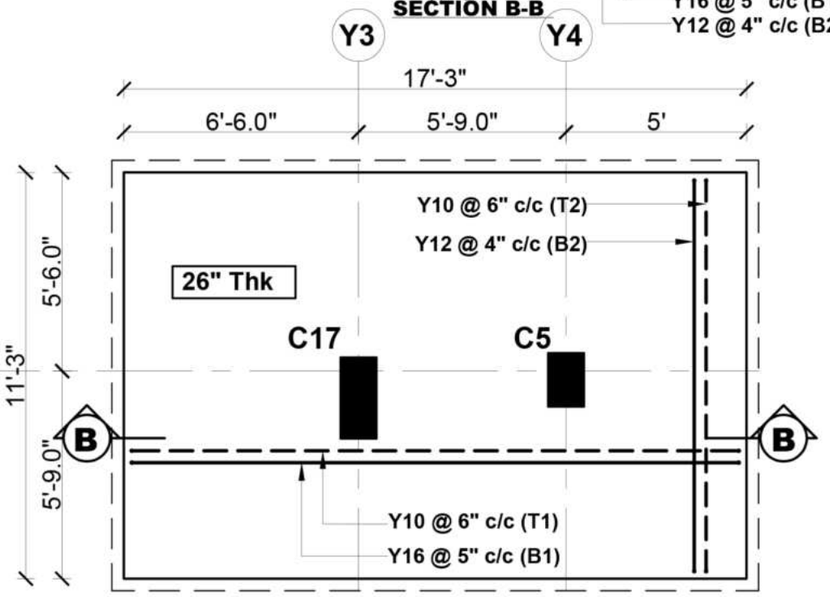
SECTION A-A



SECTION B-B



CF1 - PLAN



CF2 - PLAN

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



KeyPlan

Legend :

c/c	- Centre to Centre	CF	- Combined Footing
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Typ.	- Typical	D	- Depth of Footing
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    MC/SLM/JN-315/METROPOLE OG/STR/101

Working Drawing

Revisions

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

Date : 5.12.2024	Drawn by : K.P	Designed by : S.M	Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101c

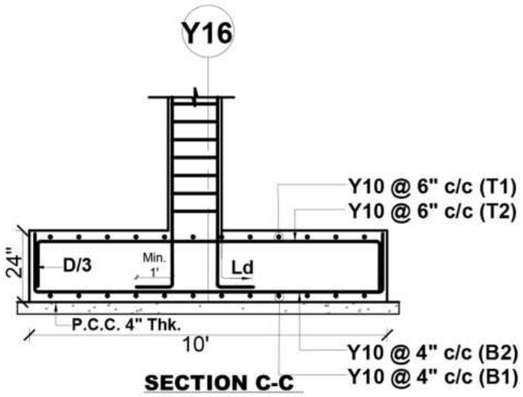
Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

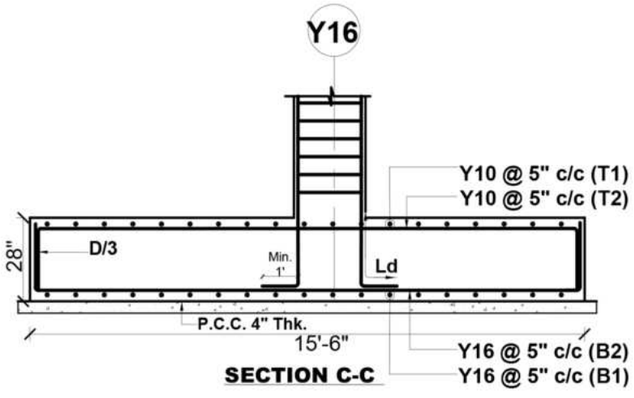
Footing Reinforcement Detail-3/11

Consultants :

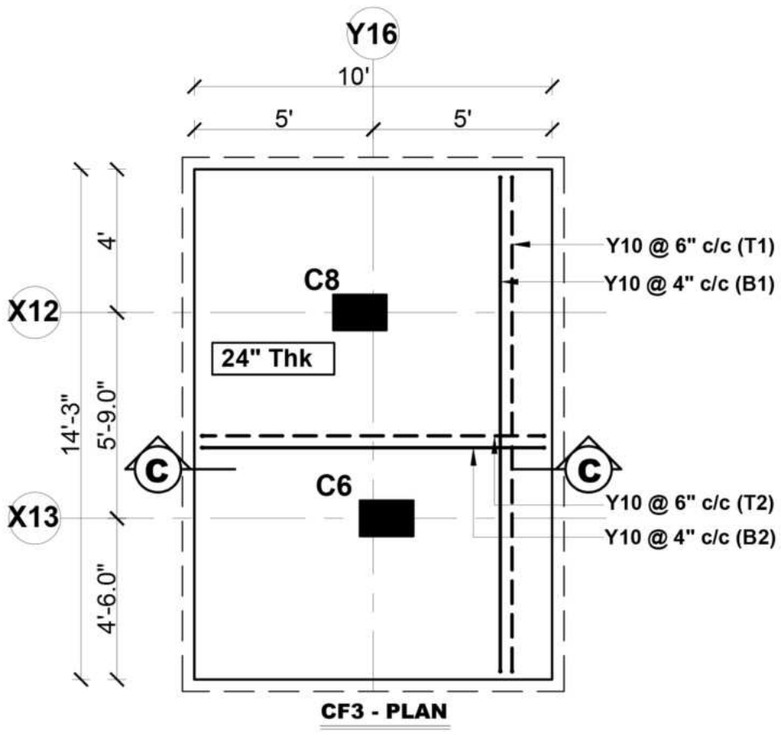
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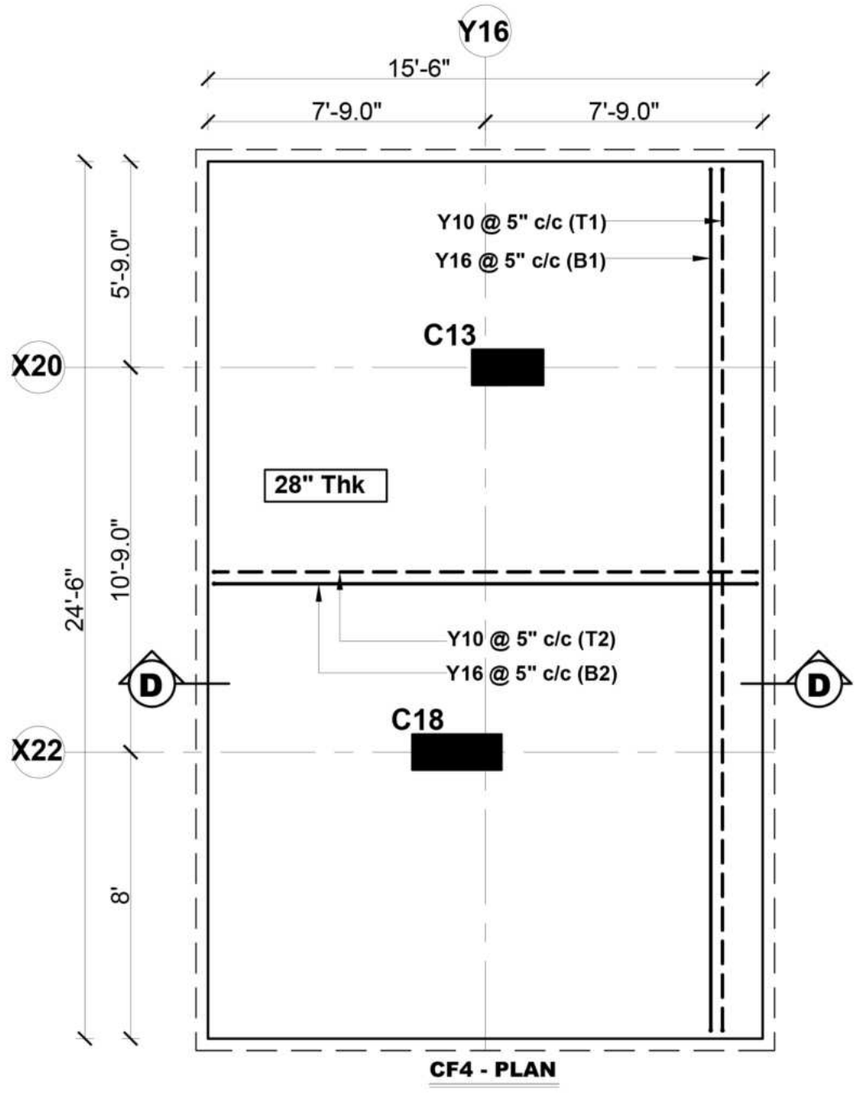
SECTION C-C



SECTION C-C



CF3 - PLAN



CF4 - PLAN

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Working Drawing

Revisions

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Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

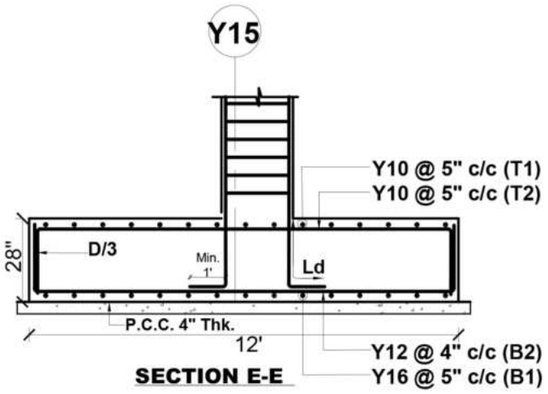
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Proposed Construction of Apartment Building for Metropole OG at Salem

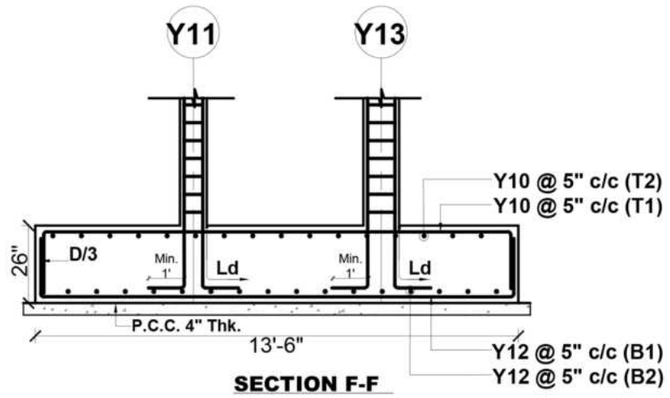
Title :

Footing Reinforcement Detail-4/11

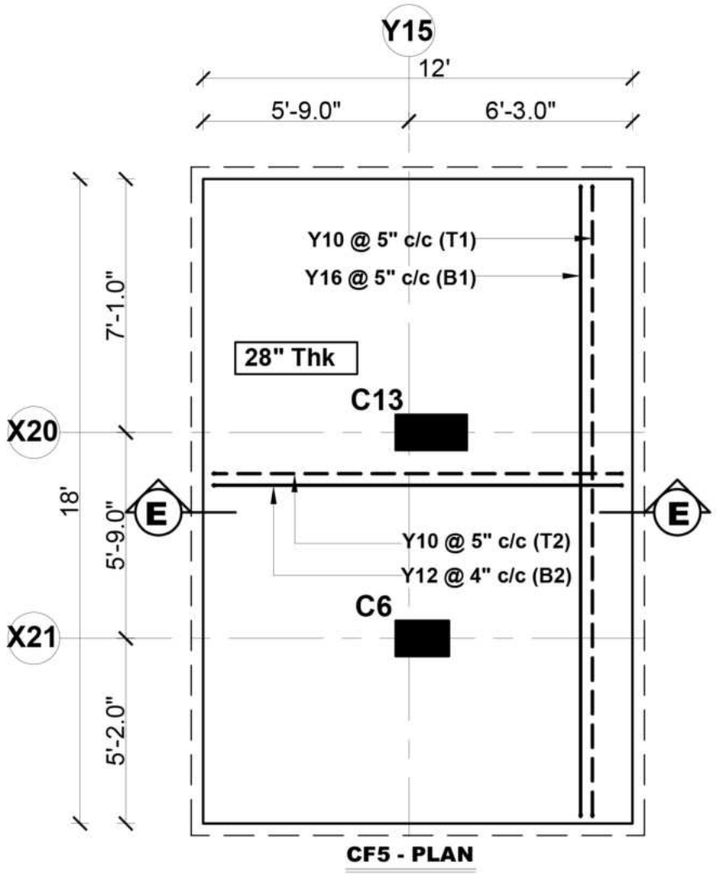
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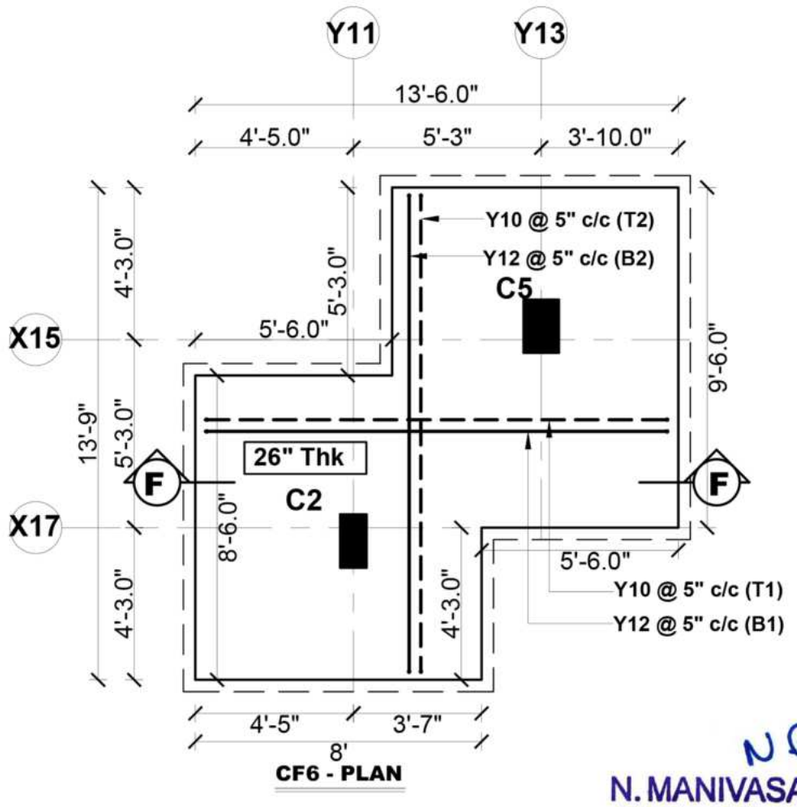
SECTION E-E



SECTION F-F



CF5 - PLAN



CF6 - 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



KeyPlan

Legend :

c/c	- Centre to Centre	CF	- Combined Footing
Eq.	- Equal	Ld	-Developement Length
Typ.	- Typical	D	- Depth of Footing
———	- Bottom bar	A	- Shorter Span of Column
- - - -	- Top bar	B	- Longer Span of Column
B	- Bottom rod		
T	- Top rod		

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 **15T/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. Footing layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/101**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

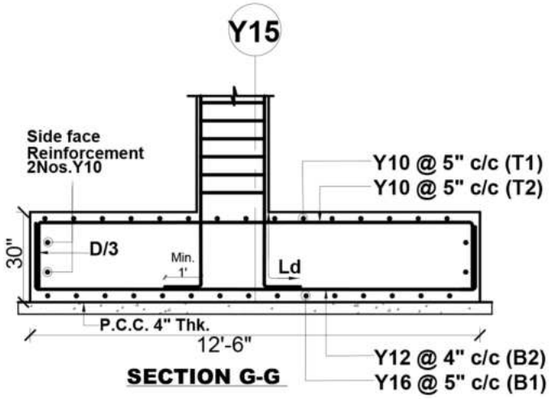
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101e

Proposed Construction of Apartment Building for Metropole OG at Salem

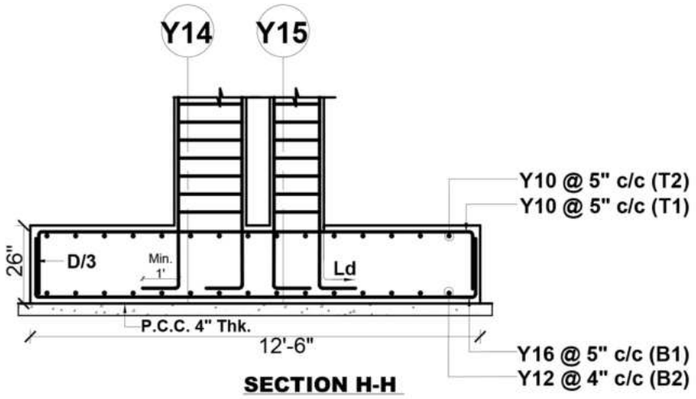
Title :

Footing Reinforcement Detail-5/11

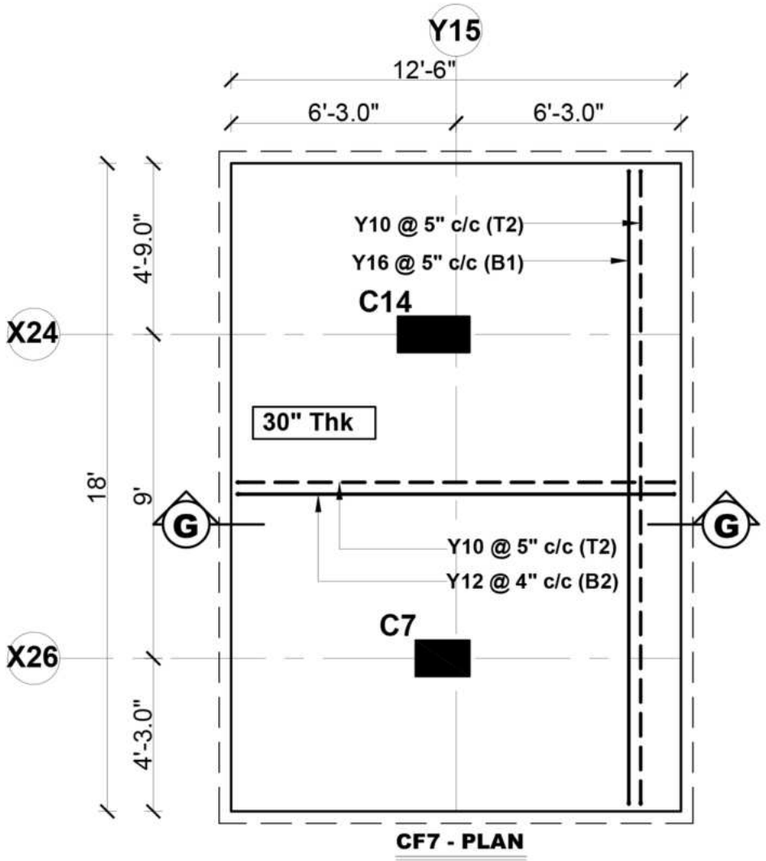
Consultants :
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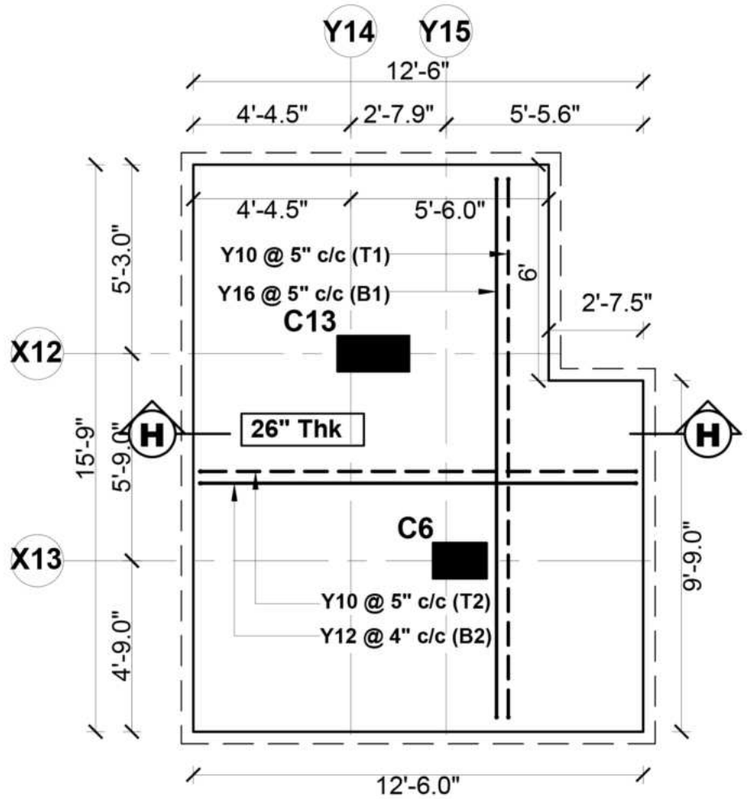
SECTION G-G



SECTION H-H

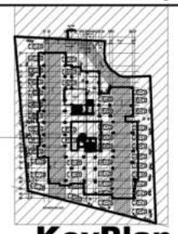


CF7 - PLAN



CF8 - 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



KeyPlan

Legend :

c/c	- Centre to Centre	CF	- Combined Footing
Eq.	- Equal	Ld	-Developement Length
Typ.	- Typical	D	- Depth of Footing
———	- Bottom bar	A	- Shorter Span of Column
- - - -	- Top bar	B	- Longer Span of Column
B	- Bottom rod		
T	- Top rod		

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 **15T/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. Footing layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/101**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

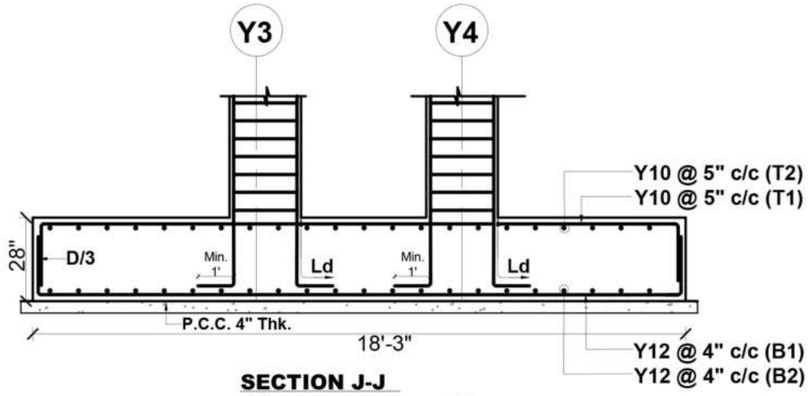
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101f

Proposed Construction of Apartment Building for Metropole OG at Salem

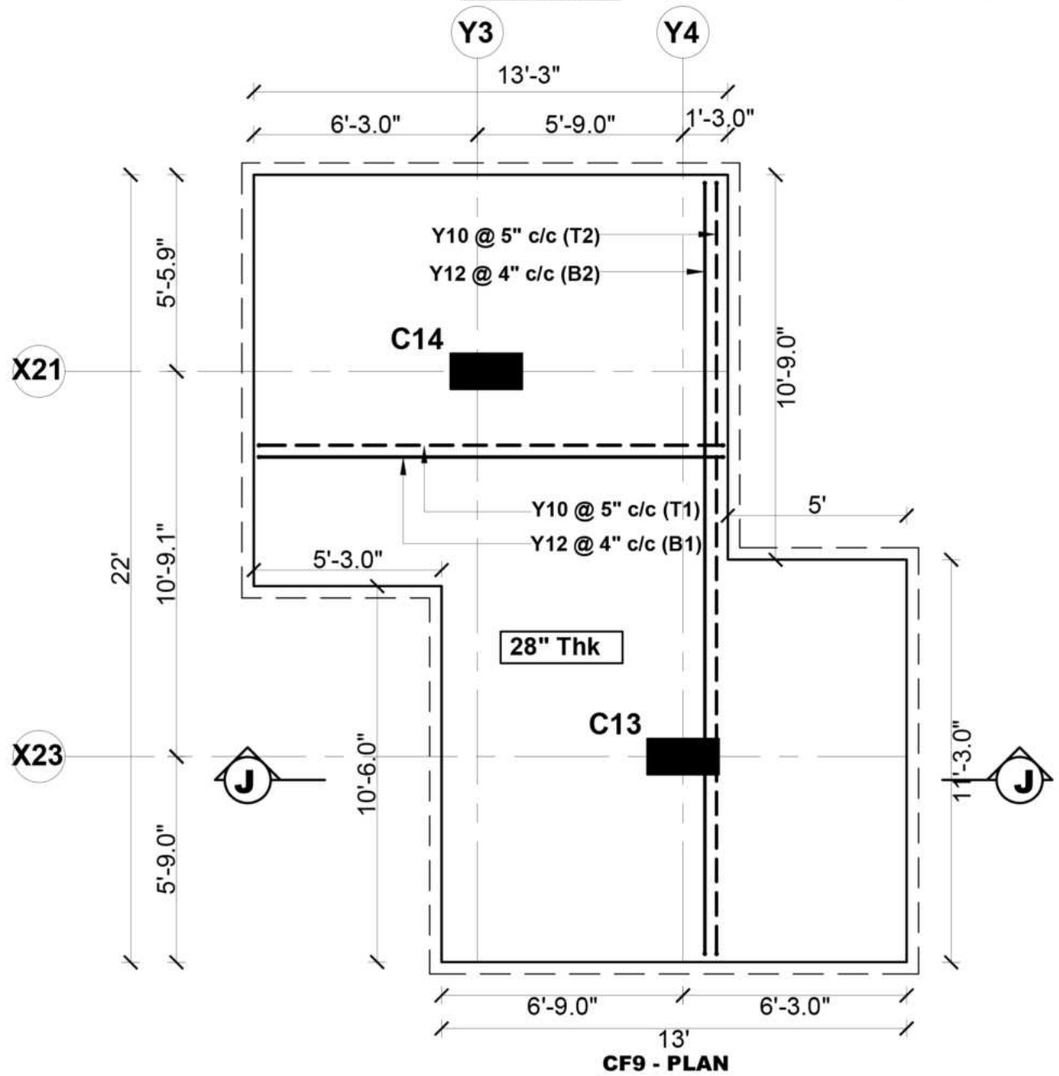
Title :

Footing Reinforcement Detail-6/11

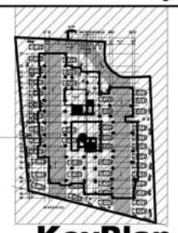
Consultants :
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SECTION J-J



CF9 - PLAN



N

KeyPlan

Legend :

c/c	- Centre to Centre	CF	- Combined Footing
Eq.	- Equal	Ld	-Developement Length
Typ.	- Typical	D	- Depth of Footing
———	- Bottom bar	A	- Shorter Span of Column
- - - -	- Top bar	B	- Longer Span of Column
B	- Bottom rod		
T	- Top rod		

Notes:

1. All dimensions are in'Feet & Inches'unless otherwise noted.
2. All Grids are C/C of wall
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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. Footing layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/101

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101g

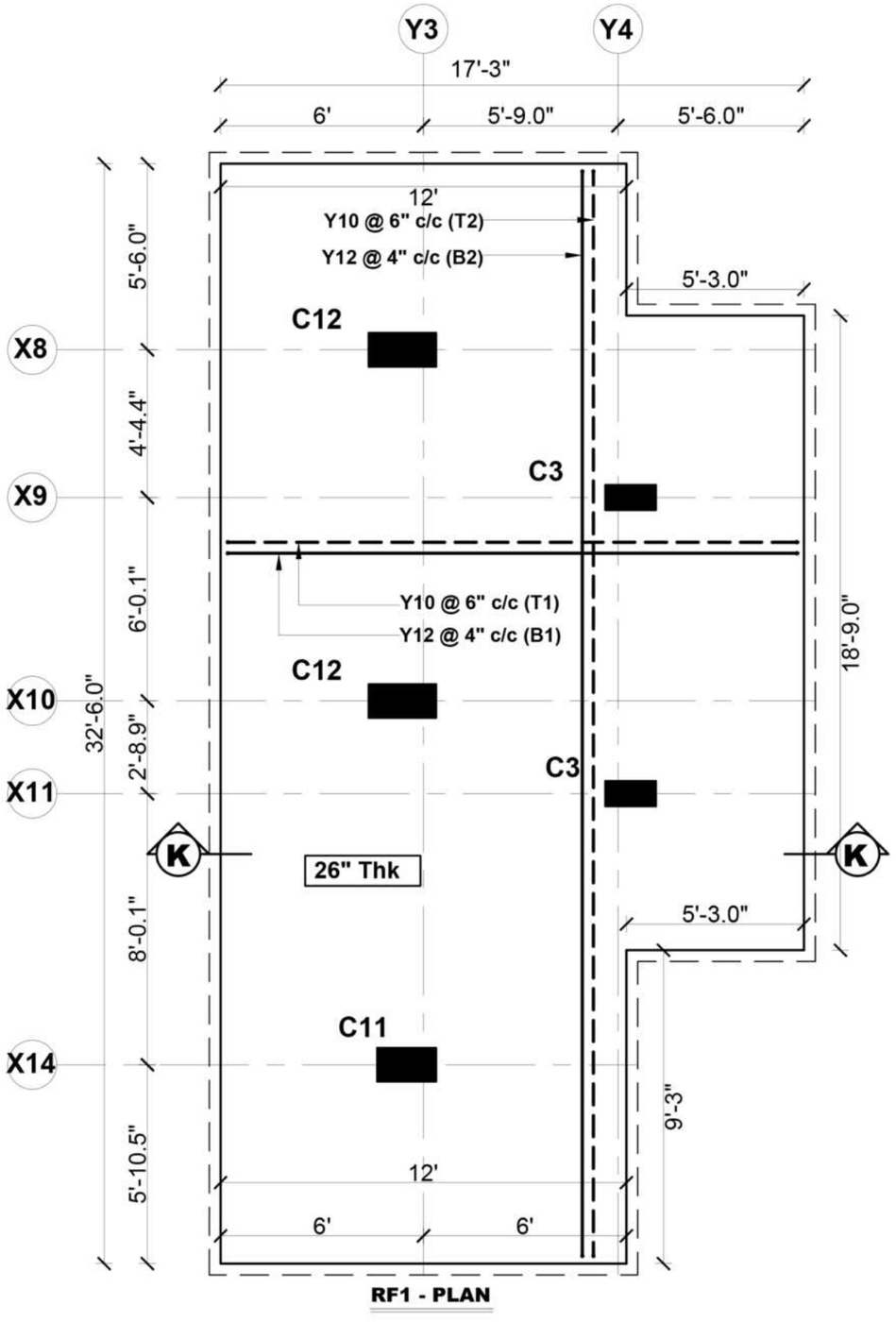
Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

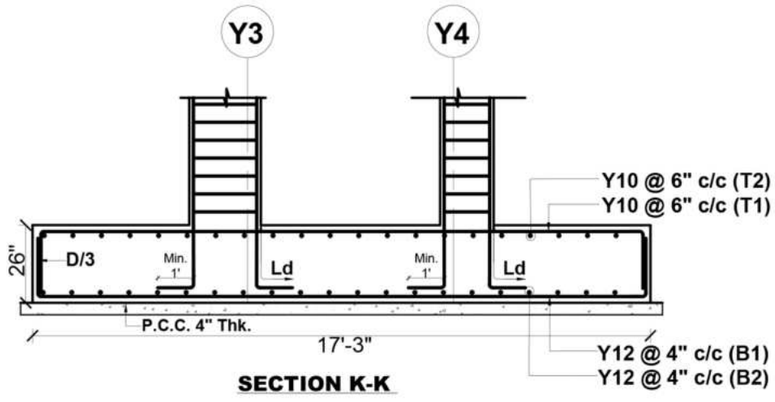
Footing Reinforcement Detail-7/11

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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

Consultants :
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RF1 - PLAN



SECTION K-K

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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

N

Legend :

c/c	- Centre to Centre	Ld	-Developement Length
Eq.	- Equal	D	- Depth of Footing
Typ.	- Typical	A	- Shorter Span of Column
———	- Bottom bar	B	- Longer Span of Column
- - - -	- Top bar		
B	- Bottom rod		
T	- Top rod		
RF	- Raft Footing		

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.
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7. Depth of foundation shall be **3m** from Lowest existing ground level (or) Depth upto Hard Strata (Whichever is more)
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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. Footing layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/101

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

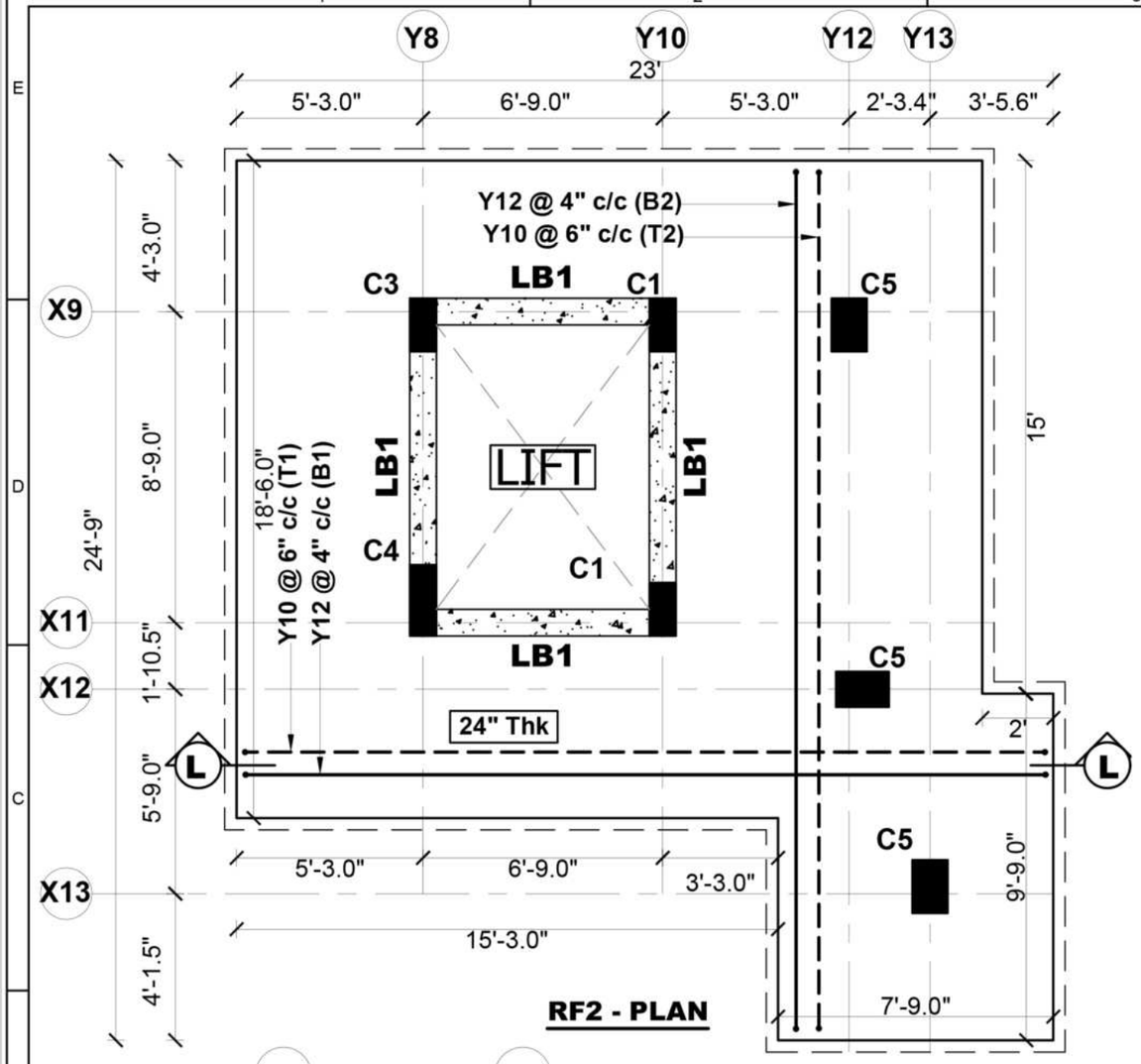
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101h

Proposed Construction of Apartment Building for Metropole OG at Salem

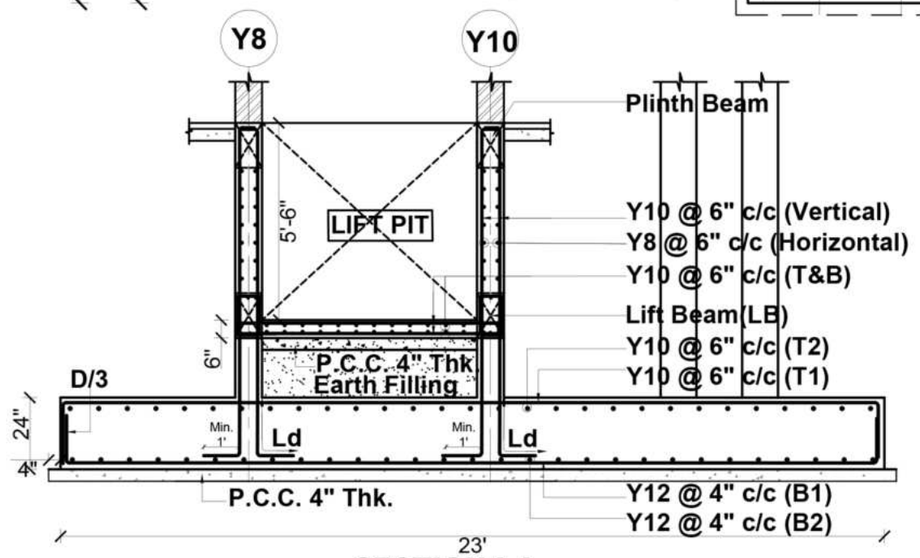
Title :

Footing Reinforcement Detail-8/11

Consultants :
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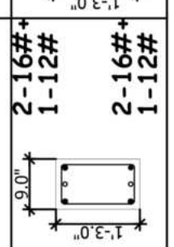
RF2 - PLAN



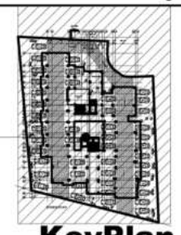
SECTION L-L

LIFT BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
					ST1	ST2
1.	LB1	0'9" x 1'3"	Mid Span	2-16# / 2-16#+1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
			Support Span	2-16#+1-12# / 2-16#+1-12#		



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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	Ld	-Developement Length
Eq.	- Equal	D	- Depth of Footing
Typ.	- Typical	A	- Shorter Span of Column
———	- Bottom bar	B	- Longer Span of Column
- - - -	- Top bar		
B	- Bottom rod		
T	- Top rod		
RF	- Raft Footing		

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 **15T/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. Footing layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/101**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

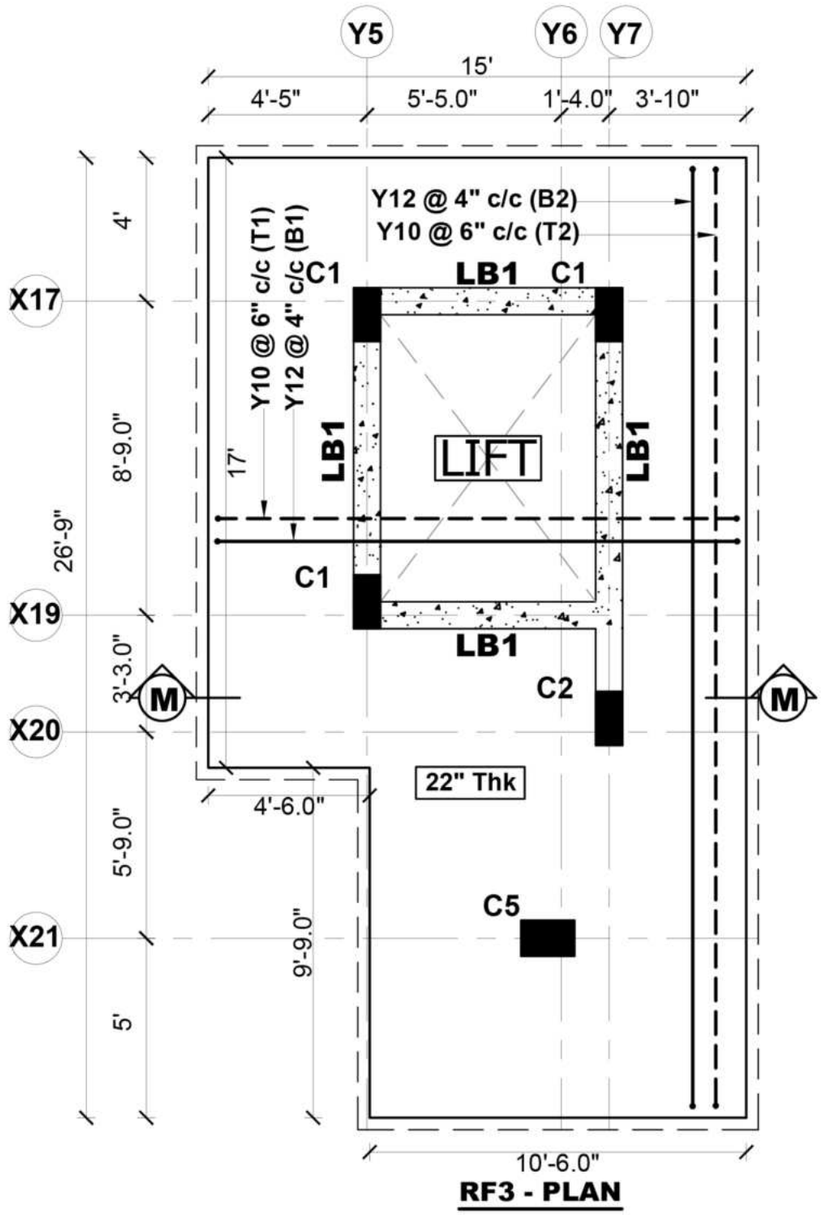
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101j

Proposed Construction of Apartment Building for Metropole OG at Salem

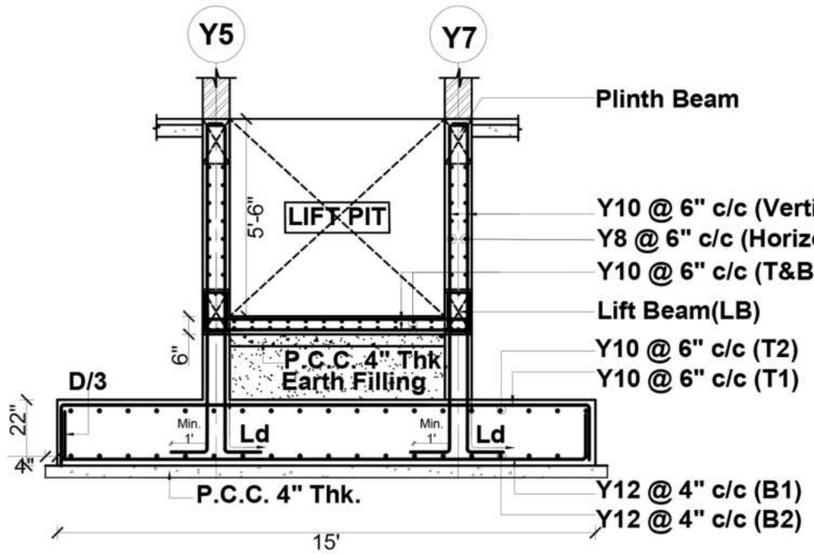
Title :

Footing Reinforcement Detail-9/11

Consultants :
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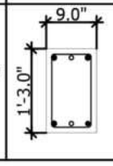
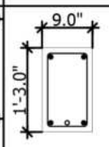
RF3 - PLAN

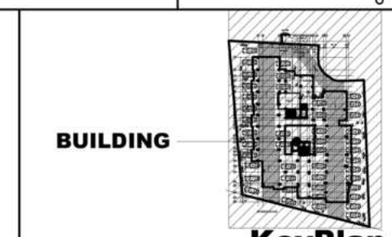


SECTION M-M

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

LIFT BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	LB1	0'9" x 1'3"	 2-16#+ 1-12# 2-16#+ 1-12#	 2-16# 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups



KeyPlan

Legend :

c/c	- Centre to Centre	Ld	-Developement Length
Eq.	- Equal	D	- Depth of Footing
Typ.	- Typical	A	- Shorter Span of Column
———	- Bottom bar	B	- Longer Span of Column
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Notes:

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   (Ld) In Compression - **40 Ø**
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12. P.C.C **4"** Thk.
13. Footing layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/101

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

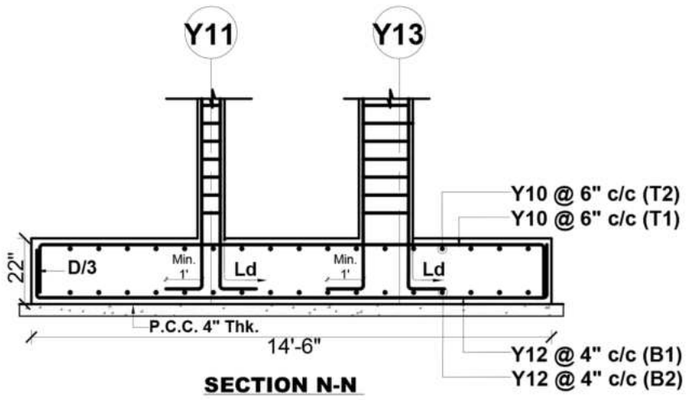
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101k

Proposed Construction of Apartment Building for Metropole OG at Salem

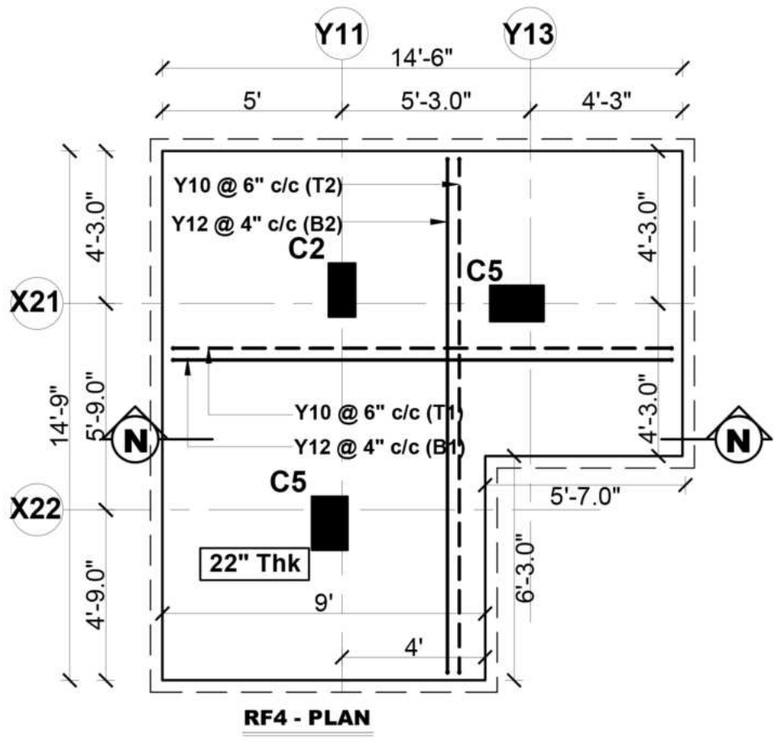
Title :

Footing Reinforcement Detail-10/11

Consultants :
MADURAA CONSULTANTS
Structural Engineering, Civil, Planning & Project Management
216/17-4, KMS Garden, Lotus Nagar,
Salem - 636016. Tamil Nadu
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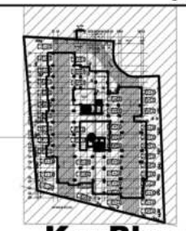


SECTION N-N



RF4 - 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



KeyPlan

Legend :

c/c	- Centre to Centre	Ld	-Developement Length
Eq.	- Equal	D	- Depth of Footing
Typ.	- Typical	A	- Shorter Span of Column
———	- Bottom bar	B	- Longer Span of Column
- - - -	- Top bar		
B	- Bottom rod		
T	- Top rod		
RF	- Raft Footing		

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 **15T/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. Footing layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/101

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/101m

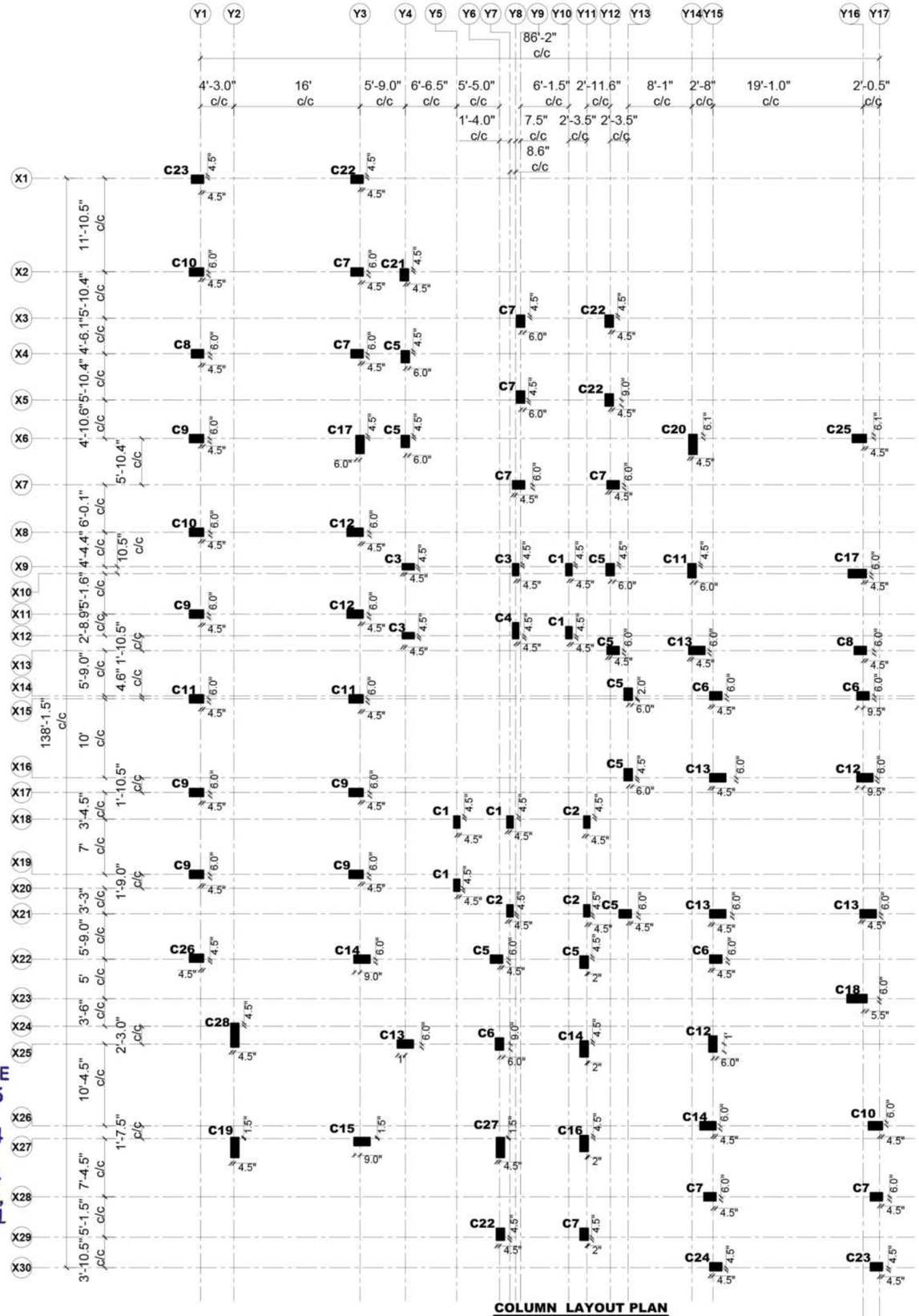
Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Footing Reinforcement Detail-11/11

Consultants :

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COLUMN LAYOUT PLAN



BUILDING

KeyPlan

N

Legend :
c/c - Centre to Centre
C - Column

Notes:

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   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. Column Reinforcement detail refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/102a

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/102

Proposed Construction of Apartment Building for Metropole OG at Salem

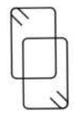
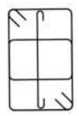
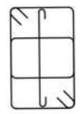
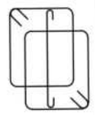
Title :

Column Layout Plan

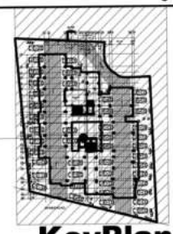
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COLUMN REINFORCEMENT DETAIL

Sl.no.	No. of Columns	Column Name	Column Sizes	Column Reinf.Detail (UP To Footing Lvl to Stilt Floor Roof Lvl)	Column Reinf.Detail (Stilt Floor Roof Lvl to First Floor Roof Lvl)	Column Reinf.Detail (First Floor Roof Lvl to Second Floor Roof Lvl)	Column Reinf.Detail (Second Floor Roof Lvl to Third Floor Roof Lvl)	Column Reinf.Detail (Third Floor Roof Lvl to Fifth Floor Roof Lvl)	Lateral Ties		Lateral Ties
									Special Confining / Joint Reinforcement	Transverse Reinforcement	
1	5	C1	0'9" x 1'6"	9" x 1'-6" •4-Y16+ •6-Y12	9" x 1'-6" •4-Y16+ •6-Y12	9" x 1'-6" •4-Y16+ •6-Y12	9" x 1'-6" •4-Y16+ •6-Y12	9" x 1'-6" •4-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	
2	3	C2	0'9" x 1'6"	9" x 1'-6" •8-Y16	9" x 1'-6" •8-Y16	9" x 1'-6" •4-Y16+ •4-Y12	9" x 1'-6" •4-Y16+ •4-Y12	9" x 1'-6" •4-Y16+ •4-Y12	Y8-4"c/c	Y8-6"c/c	
3	3	C3	0'9" x 1'6"	9" x 1'-6" •4-Y20+ •6-Y16	9" x 1'-6" •4-Y20+ •6-Y16	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •4-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	
4	1	C4	0'9" x 2'0"	9" x 2' •4-Y20+ •8-Y16	9" x 2' •4-Y20+ •8-Y16	9" x 2' •6-Y16+ •6-Y12	9" x 2' •6-Y16+ •6-Y12	9" x 2' •4-Y16+ •8-Y12	Y8-4"c/c	Y8-6"c/c	
5	9	C5	1'0" x 1'6" 0'9" x 1'6"	1' x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •4-Y16+ •6-Y12	9" x 1'-6" •4-Y16+ •6-Y12	9" x 1'-6" •4-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	
6	4	C6	1'0" x 1'6" 0'9" x 1'6"	1' x 1'-6" •10-Y16	9" x 1'-6" •10-Y16	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •4-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	
7	9	C7	1'0" x 1'6" 0'9" x 1'6"	1' x 1'-6" •4-Y20+ •6-Y16	9" x 1'-6" •4-Y20+ •6-Y16	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •6-Y16+ •4-Y12	9" x 1'-6" •4-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	

BUILDING



KeyPlan

N

Legend :
c/c - Centre to Centre
C - Column

Notes:

1. All dimensions are in'Feet & Inches'unless otherwise noted.
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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. Column layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/102**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/102a

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Column Reinforcement Detail-1/5

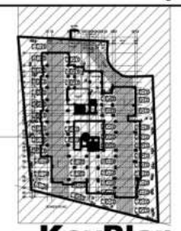
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Sl.no.	No. of Columns	Column Name	Column Sizes	Column Reinf.Detail (UP To Footing Lvl to Stilt Floor Roof Lvl)	Column Reinf.Detail (Stilt Floor Roof Lvl to First Floor Roof Lvl)	Column Reinf.Detail (First Floor Roof Lvl to Second Floor Roof Lvl)	Column Reinf.Detail (Second Floor Roof Lvl to Third Floor Roof Lvl)	Column Reinf.Detail (Third Floor Roof Lvl to Fifth Floor Roof Lvl)	Lateral Ties		Lateral Ties
									Special Confining / Joint Reinforcement	Transverse Reinforcement	
8	2	C8	1'0" x 1'6" 0'9" x 1'6"	1' x 1'-6" •6-Y20+ •4-Y16	9" x 1'-6" •6-Y20+ •4-Y16	9" x 1'-6" •6-Y20+ •4-Y16	9" x 1'-6" •6-Y20+ •4-Y16	9" x 1'-6" •6-Y16+ •4-Y12	Y8-4"c/c	Y8-6"c/c	
9	6	C9	1'0" x 1'9" 0'9" x 1'9"	1' x 1'-9" •4-Y20+ •8-Y16	9" x 1'-9" •4-Y20+ •8-Y16	9" x 1'-9" •4-Y20+ •8-Y16	9" x 1'-9" •8-Y16+ •4-Y12	9" x 1'-9" •4-Y16+ •8-Y12	Y8-4"c/c	Y8-6"c/c	
10	3	C10	1'0" x 1'9" 0'9" x 1'9"	1' x 1'-9" •8-Y20+ •4-Y16	9" x 1'-9" •8-Y20+ •4-Y16	9" x 1'-9" •4-Y20+ •8-Y16	9" x 1'-9" •8-Y16+ •4-Y12	9" x 1'-9" •6-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	
11	3	C11	1'0" x 1'9" 0'9" x 1'9"	1' x 1'-9" •12-Y20	9" x 1'-9" •12-Y20	9" x 1'-9" •6-Y20+ •6-Y16	9" x 1'-9" •6-Y16+ •6-Y12	9" x 1'-9" •4-Y16+ •8-Y12	Y8-4"c/c	Y8-6"c/c	
12	4	C12	1'0" x 2'0" 0'9" x 2'0"	1' x 2' •6-Y20+ •6-Y16	9" x 2' •6-Y20+ •6-Y16	9" x 2' •4-Y20+ •8-Y16	9" x 2' •4-Y20+ •8-Y16	9" x 2' •8-Y16+ •4-Y12	Y8-4"c/c	Y8-6"c/c	
13	5	C13	1'0" x 2'0" 0'9" x 2'0"	1' x 2' •8-Y20+ •4-Y16	9" x 2' •8-Y20+ •4-Y16	9" x 2' •4-Y20+ •8-Y16	9" x 2' •4-Y20+ •8-Y16	9" x 2' •8-Y16+ •4-Y12	Y8-4"c/c	Y8-6"c/c	
14	3	C14	1'0" x 2'0" 0'9" x 2'0"	1' x 2' •12-Y20	9" x 2' •12-Y20	9" x 2' •6-Y20+ •6-Y16	9" x 2' •6-Y20+ •6-Y16	9" x 2' •4-Y20+ •8-Y16	Y8-4"c/c	Y8-6"c/c	

BUILDING



KeyPlan

N

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
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   (Ld) In Compression - **40 Ø**
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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. Column layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/102

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/102b

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Column Reinforcement Detail-2/5

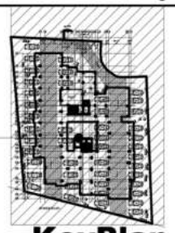
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									Special Confining / Joint Reinforcement	Transverse Reinforcement	
15	1	C15	1'0" x 2'0"	1' 2' •8-Y20+ •4-Y16	-----	-----	-----	-----	Y8-4"c/c	Y8-6"c/c	
16	1	C16	1'0" x 2'0" 0'9" x 2'0"	1' 2' •4-Y25+ •8-Y20	9" 2' •4-Y25+ •8-Y20	9" 2' •12-Y20	9" 2' •12-Y20	9" 2' •12-Y20	Y8-4"c/c	Y8-6"c/c	
17	2	C17	1'0" x 2'3" 0'9" x 2'3"	1' 2'-3" •6-Y25+ •8-Y20	9" 2'-3" •6-Y25+ •8-Y20	9" 2'-3" •6-Y25+ •8-Y20	9" 2'-3" •8-Y20+ •6-Y16	9" 2'-3" •6-Y20+ •8-Y16	Y8-4"c/c	Y8-6"c/c	
18	1	C18	1'0" x 2'6" 0'9" x 2'6"	1' 2'-6" •4-Y25+ •10-Y20	9" 2'-6" •4-Y25+ •10-Y20	9" 2'-6" •8-Y20+ •6-Y16	9" 2'-6" •8-Y20+ •6-Y16	9" 2'-6" •6-Y20+ •8-Y16	Y8-4"c/c	Y8-6"c/c	
19	1	C19	1'0" x 2'6" 0'9" x 2'6"	9" 3" 2'-6" •10-Y20+ •6-Y16 7-Y12	9" 2'-6" •10-Y20+ •6-Y16	9" 2'-6" •10-Y20+ •6-Y16	9" 2'-6" •10-Y20+ •6-Y16	9" 2'-6" •10-Y20+ •6-Y16	Y8-4"c/c	Y8-6"c/c	
20	1	C20	1'0" x 2'6" 0'9" x 2'6"	9" 3" 2'-6" •16-Y20 7-Y12	9" 2'-6" •16-Y20	9" 2'-6" •16-Y20	9" 2'-6" •16-Y20	9" 2'-6" •10-Y20+ •6-Y16	Y8-4"c/c	Y8-6"c/c	

BUILDING



KeyPlan

Legend :
c/c - Centre to Centre
C - Column

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12. P.C.C **4"** Thk.
13. Column layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/102**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/102c

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Column Reinforcement Detail-3/5

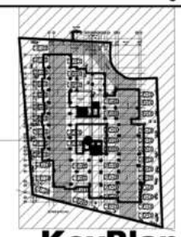
Consultants :
MADURAA CONSULTANTS
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COLUMN REINFORCEMENT DETAIL

Sl.no.	No. of Columns	Column Name	Column Sizes	Column Reinf.Detail (UP To Footing Lvl to Stilt Floor Roof Lvl)	Column Reinf.Detail (Stilt Floor Roof Lvl to First Floor Roof Lvl)	Column Reinf.Detail (First Floor Roof Lvl to Second Floor Roof Lvl)	Column Reinf.Detail (Second Floor Roof Lvl to Third Floor Roof Lvl)	Column Reinf.Detail (Third Floor Roof Lvl to Fifth Floor Roof Lvl)	Lateral Ties		Lateral Ties
									Special Confining / Joint Reinforcement	Transverse Reinforcement	
21	1	C21	1'0" x 1'6" 0'9" x 1'6"	9" 3" •6-Y16+ •4-Y12 1'-6" 4-Y12	9" •6-Y16+ •4-Y12 1'-6"	9" •4-Y16+ •6-Y12 1'-6"	9" •4-Y16+ •6-Y12 1'-6"	9" •4-Y16+ •6-Y12 1'-6"	Y8-4"c/c	Y8-6"c/c	
22	4	C22	1'0" x 1'6" 0'9" x 1'6"	9" 3" •10-Y16 1'-6" 4-Y12	9" •10-Y16 1'-6"	9" •6-Y16+ •4-Y12 1'-6"	9" •6-Y16+ •4-Y12 1'-6"	9" •4-Y16+ •6-Y12 1'-6"	Y8-4"c/c	Y8-6"c/c	
23	2	C23	1'0" x 1'6" 0'9" x 1'6"	9" 3" •4-Y20+ •6-Y16 1'-6" 4-Y12	9" •4-Y20+ •6-Y16 1'-6"	9" •6-Y16+ •4-Y12 1'-6"	9" •6-Y16+ •4-Y12 1'-6"	9" •4-Y16+ •6-Y12 1'-6"	Y8-4"c/c	Y8-6"c/c	
24	1	C24	1'0" x 1'6" 0'9" x 1'6"	9" 3" •6-Y20+ •4-Y16 1'-6" 4-Y12	9" •6-Y20+ •4-Y16 1'-6"	9" •6-Y20+ •4-Y16 1'-6"	9" •6-Y20+ •4-Y16 1'-6"	9" •6-Y16+ •4-Y12 1'-6"	Y8-4"c/c	Y8-6"c/c	
25	1	C25	1'0" x 1'9" 0'9" x 1'9"	9" 3" •4-Y20+ •8-Y16 1'-9" 5-Y12	9" •4-Y20+ •8-Y16 1'-9"	9" •4-Y20+ •8-Y16 1'-9"	9" •8-Y16+ •4-Y12 1'-9"	9" •4-Y16+ •8-Y12 1'-9"	Y8-4"c/c	Y8-6"c/c	

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GCC Reg. No: RSE 101292020
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SALEM-16. ✆:9677666102, 9066622951

BUILDING



KeyPlan

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 **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 **15T/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. Column layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/102

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/102c

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

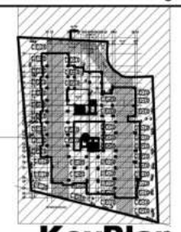
Column Reinforcement Detail-4/5

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COLUMN REINFORCEMENT DETAIL

Sl.no.	No. of Columns	Column Name	Column Sizes	Column Reinf.Detail (UP To Footing Lvl to Stilt Floor Roof Lvl)	Column Reinf.Detail (Stilt Floor Roof Lvl to First Floor Roof Lvl)	Column Reinf.Detail (First Floor Roof Lvl to Second Floor Roof Lvl)	Column Reinf.Detail (Second Floor Roof Lvl to Third Floor Roof Lvl)	Column Reinf.Detail (Third Floor Roof Lvl to Fifth Floor Roof Lvl)	Lateral Ties		Lateral Ties
									Special Confining / Joint Reinforcement	Transverse Reinforcement	
26	1	C26	1'0" x 1'9" 0'9" x 1'9"	9" 3" 1'-9" •8-Y20+ •4-Y16 5-Y12	9" 1'-9" •8-Y20+ •4-Y16	9" 1'-9" •4-Y20+ •8-Y16	9" 1'-9" •8-Y16+ •4-Y12	9" 1'-9" •6-Y16+ •6-Y12	Y8-4"c/c	Y8-6"c/c	
27	1	C27	1'0" x 2'6" 0'9" x 2'6"	9" 3" 2'-6" •4-Y25+ •10-Y20 6-Y12	9" 2'-6" •4-Y25+ •10-Y20	9" 2'-6" •8-Y20+ •6-Y16	9" 2'-6" •8-Y20+ •6-Y16	9" 2'-6" •6-Y20+ •8-Y16	Y8-4"c/c	Y8-6"c/c	
28	1	C28	1'0" x 3'0" 0'9" x 3'0"	9" 3" 3' •4-Y25+ •10-Y20 6-Y12	9" 3' •4-Y25+ •10-Y20	9" 3' •8-Y20+ •6-Y16	9" 3' •8-Y20+ •6-Y16	9" 3' •6-Y20+ •8-Y16	Y8-4"c/c	Y8-6"c/c	

BUILDING



KeyPlan

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 **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 **15T/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. Column layout Plan refer dwg.no:
    MC/SLM/JN-315/METROPOLE OG/STR/102

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Salem LPA Reg. No: 24/RSE-1/2024
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Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

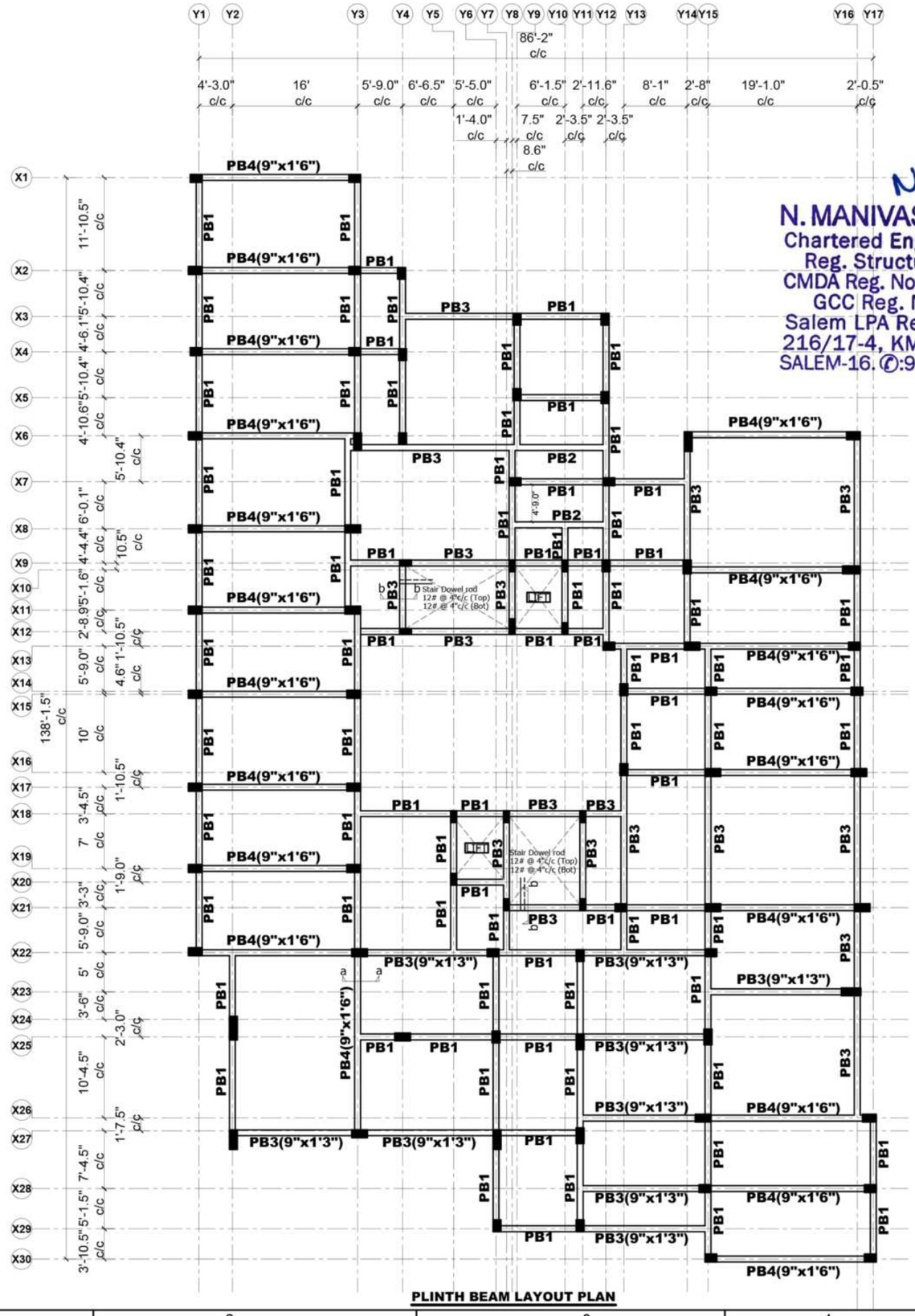
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/102c

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

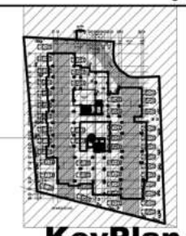
Column Reinforcement Detail-5/5

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PLINTH BEAM LAYOUT PLAN

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



KeyPlan

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 **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 **15T/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 Beam reinforcement - **1" (25mm)**
   for Roof Slab reinforcement - **0.75" (20mm)**
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. Plinth Beam Reinforcement detail refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/103a**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/103

Proposed Construction of Apartment Building for Metropole OG at Salem

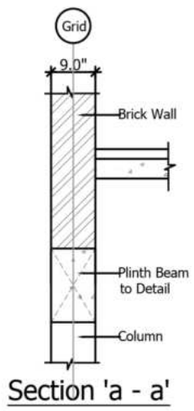
Title :

Plinth Beam Layout Plan

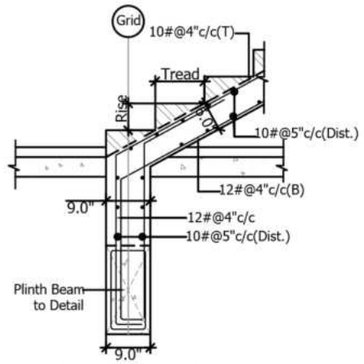
Consultants :
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PLINTH BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	PB1	0'9" x 1'3"	9.0", 1'-3.0", 2-12#+ 1-12#, 3-12#	9.0", 1'-3.0", 2-12#, 3-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	PB2	0'9" x 1'3"	9.0", 1'-3.0", 2-12#, 3-12#	9.0", 1'-3.0", 2-12#, 3-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	PB3	0'9" x 1'3"	9.0", 1'-3.0", 2-16#+ 1-12#, 2-16#+ 1-12#	9.0", 1'-3.0", 2-16#, 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	PB4	0'9" x 1'6"	9.0", 1'-6.0", 2-16#+ 2-16#, 4-16#	9.0", 1'-6.0", 2-16#, 4-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

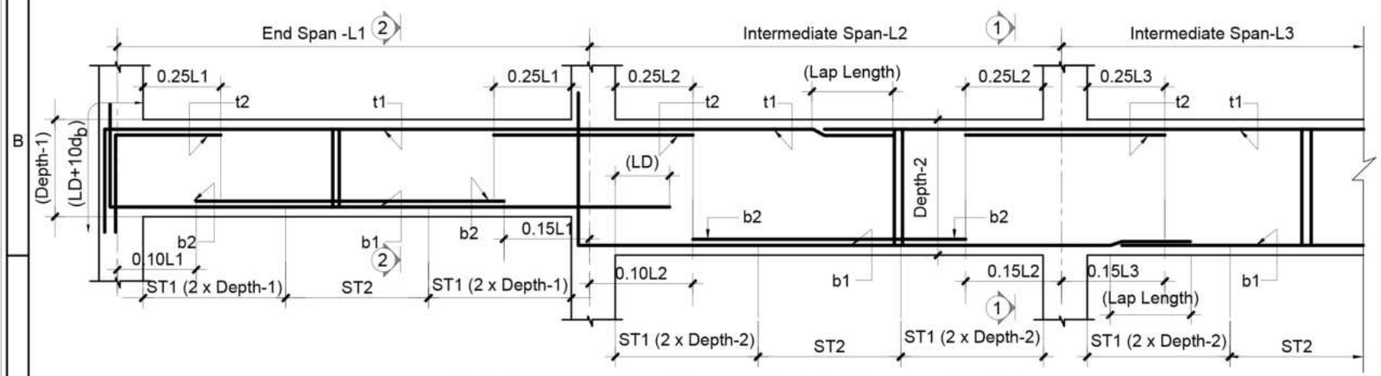


Section 'a - a'

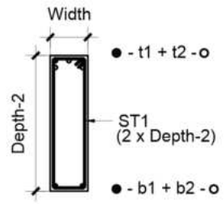


Section 'b - b'

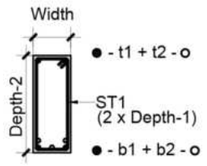
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CMDA Reg. No: SE/GR-1/2020/12/284
GCC Reg. No: RSE 101292020
Salem LPA Reg. No: 24/RSE-1/2024
216/17-4, KMS Garden, Lotus Nagar,
SALEM-16. ✆:9677666102, 9066622951



Reinforcement & Stirrups Detail (Varying Depth)



Section '1- 1'



Section '2- 2'



KeyPlan

Legend :

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

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 **15T/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 Beam reinforcement - **1" (25mm)**
   for Roof Slab reinforcement - **0.75" (20mm)**
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. Plinth Beam layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/103**

Working Drawing

Revisions

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

Date : 5.12.2024 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

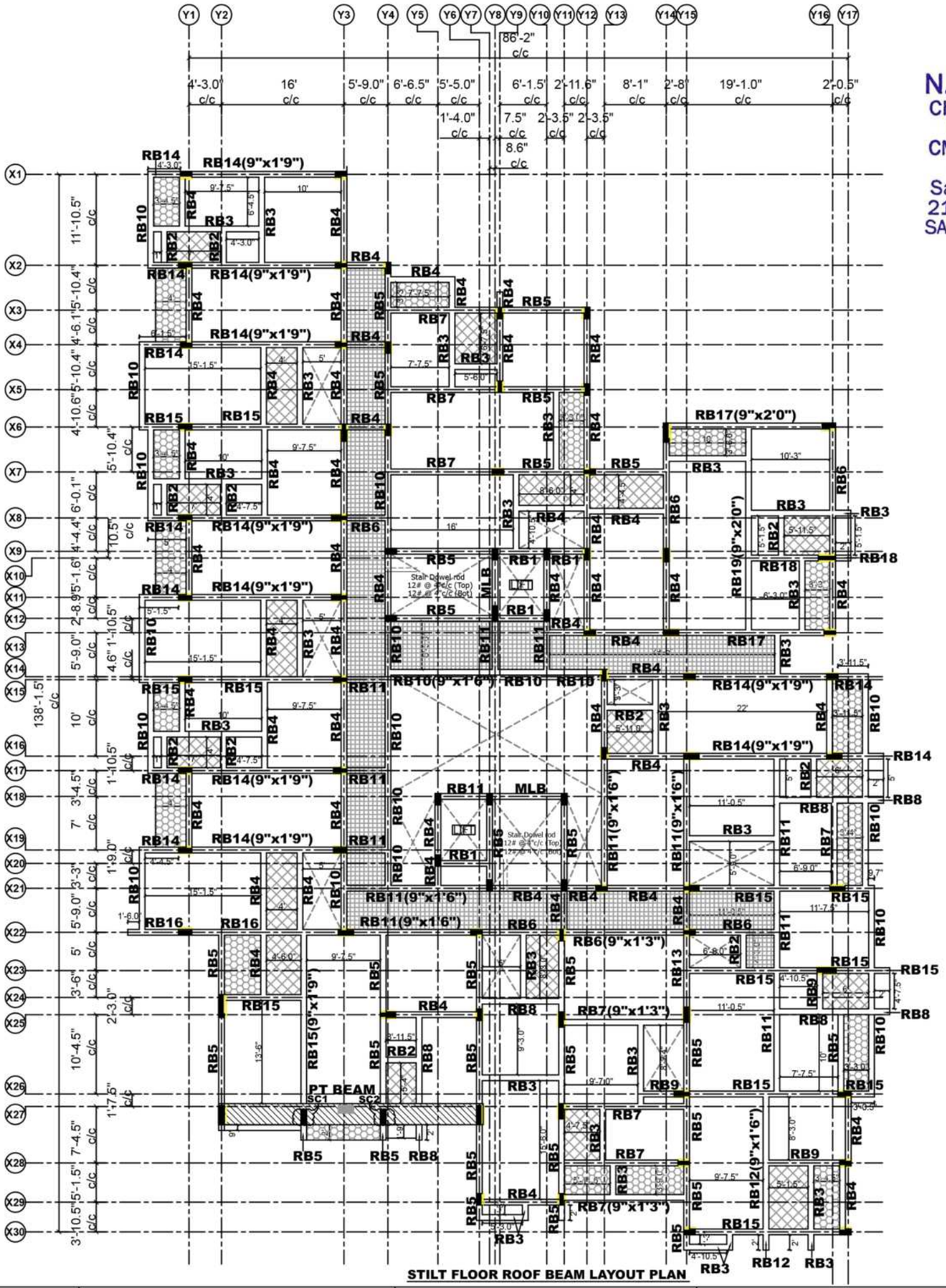
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/103a

Proposed Construction of Apartment Building for Metropole OG at Salem

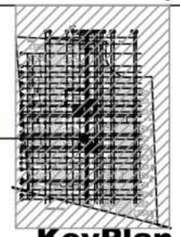
Title :

Plinth Beam 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



KeyPlan

c/c - Centre to Centre
RB - Roof Beam
- Toilet Sunken Slab By 9"
MLB - Mid Landing Beam
- Beam & Slab Down By 3"
- Slab Down By 3"
- PT 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 **M25** for all RCC members conforming to IS 456 - 2500, unless otherwise noted. PT Beam & Slab **M35**.
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 **15T/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 Beam reinforcement - **1" (25mm)**
   for Roof Slab reinforcement - **0.75" (20mm)**
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. Stilt Floor Roof Beam Reinforcement detail refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/104a**

Working Drawing

Revisions

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

Date : 18.4.2025 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/104

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Stilt Floor Roof Beam Layout Plan

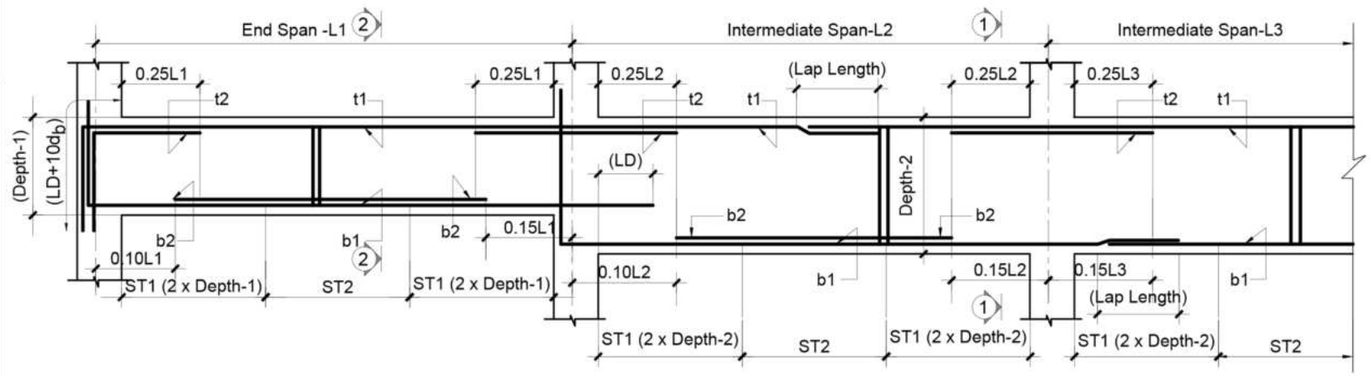
Consultants :
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STILT FLOOR ROOF BEAM REINFORCEMENT DETAILS:

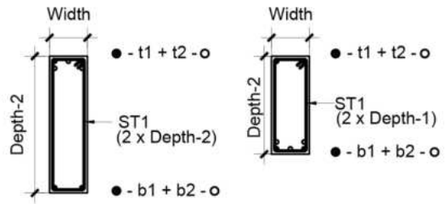
SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
1.	RB1	0'9" x 1'3"	9.0", 1'-3.0": 2-12#+ 2-12# / 3-12#	9.0", 1'-3.0": 2-12# / 3-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
2.	RB2	0'9" x 1'3"	9.0", 1'-3.0": 2-12# / 2-16#+ 1-12#	9.0", 1'-3.0": 2-12# / 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
3.	RB3	0'9" x 1'3"	9.0", 1'-3.0": 2-16# / 2-16#+ 1-12#	9.0", 1'-3.0": 2-16# / 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
4.	RB4	0'9" x 1'3"	9.0", 1'-3.0": 2-16#+ 1-12# / 2-16#+ 1-12#	9.0", 1'-3.0": 2-16# / 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
5.	RB5/ MLB	0'9" x 1'3"	9.0", 1'-3.0": 2-16#+ 1-16# / 2-16#+ 1-12#	9.0", 1'-3.0": 2-16# / 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
6.	RB6	0'9" x 1'3"	9.0", 1'-3.0": 2-16#+ 1-16# / 3-16#	9.0", 1'-3.0": 2-16# / 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
7.	RB7	0'9" x 1'3"	9.0", 1'-3.0": 2-16#+ 2-16# / 3-16#	9.0", 1'-3.0": 2-16# / 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
8.	RB8	0'9" x 1'3"	9.0", 1'-3.0": 2-16# / 3-16#	9.0", 1'-3.0": 2-16# / 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
9.	RB9	0'9" x 1'3"	9.0", 1'-3.0": 2-16#+ 3-16# / 4-16#	9.0", 1'-3.0": 2-16# / 4-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
10.	RB10	0'9" x 1'6"	9.0", 1'-6.0": 2-16#+ 1-16# / 2-16#+ 1-12#	9.0", 1'-6.0": 2-16# / 2-16#+ 1-12#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

STUB COLUMN REINFORCEMENT DETAIL

Sl.no	No. of Columns	Column Name	Column Sizes	Column Reinf.Detail (Stilt foor Roof Lvl to Terrace floor Roof Lvl	Lateral Ties		Lateral Ties	Remarks
					Special Confining / Joint Reinforcement	Transverse Reinforcement		
1	1	SC1	9"x2'0"	9", 2': •6-Y20+ •6-Y16	Y8-4"c/c	Y8-6"c/c		Upto Terrace floor Roof level
2	1	SC2	9"x2'0"	9", 2': •8-Y20+ •4-Y16	Y8-4"c/c	Y8-6"c/c		Upto Water tank top level

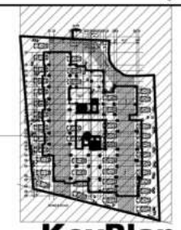


Reinforcement & Stirrups Detail (Varying Depth)



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. ✆:9677666102, 9066622951



KeyPlan

Legend :

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

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. PT Beam & Slab **M35**.
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 **15T/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 Beam reinforcement - **1" (25mm)**
   for Roof Slab reinforcement - **0.75" (20mm)**
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. Stilt Floor Roof Beam layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/104**

Working Drawing

Revisions

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

Date : 18.4.2025 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/104a

Proposed Construction of Apartment Building for Metropole OG at Salem

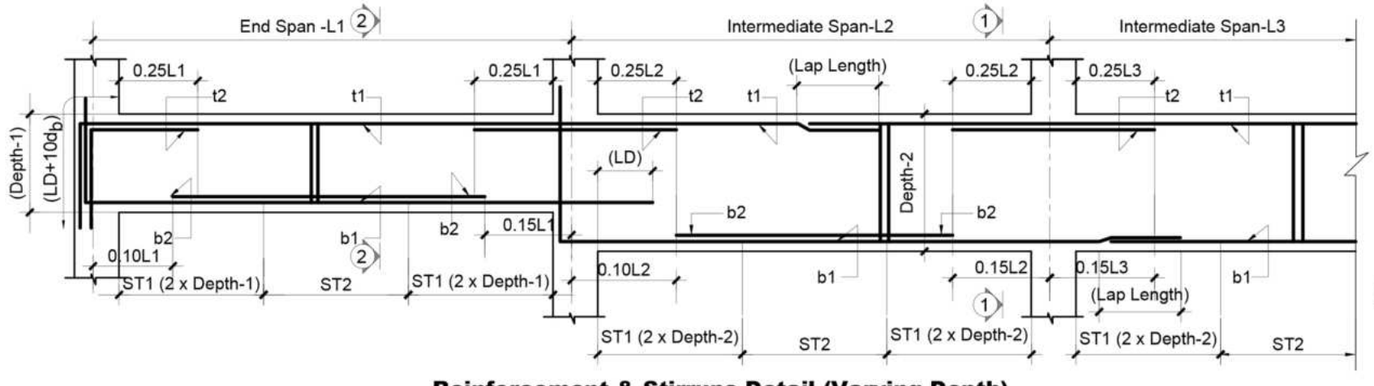
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Stilt Floor Roof Beam Reinforcement Detail 1/2

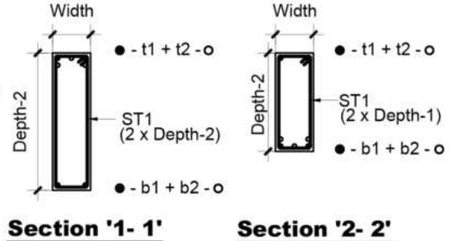
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STILT FLOOR ROOF BEAM REINFORCEMENT DETAILS:

SL.NO	BEAM NAME	BEAM SIZE	REINFORCEMENT DETAIL		REINFORCEMENT OF STIRRUPS	
			Support Span	Mid Span	ST1	ST2
11.	RB11	0'9" x 1'6"	9.0" 1'-6.0" 2-16#+ 2-16# 3-16#	9.0" 1'-6.0" 2-16# 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
12.	RB12	0'9" x 1'6"	9.0" 1'-6.0" 2-16# 5-16#	9.0" 1'-6.0" 2-16# 5-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
13.	RB13	0'9" x 1'9"	9.0" 1'-9.0" 2-16#+ 2-16# 4-16#	9.0" 1'-9.0" 2-16# 4-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
14.	RB14	0'9" x 1'9"	9.0" 1'-9.0" 2-20#+ 2-16# 2-20#+ 2-16#	9.0" 1'-9.0" 2-20# 2-20#+ 2-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
15.	RB15	0'9" x 1'9"	9.0" 1'-9.0" 2-20#+ 3-16# 2-20#+ 2-16#	9.0" 1'-9.0" 2-20# 2-20#+ 2-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
16.	RB16	0'9" x 1'9"	9.0" 1'-9.0" 2-20#+ 3-20# 2-20#+ 3-16#	9.0" 1'-9.0" 2-20# 2-20#+ 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
17.	RB17	0'9" x 2'0"	9.0" 2' 2-20#+ 3-16# 2-20#+ 3-16#	9.0" 2' 2-20# 2-20#+ 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
18.	RB18	0'9" x 2'0"	9.0" 2' 2-20#+ 4-20# 2-20#+ 3-16#	9.0" 2' 2-20# 2-20#+ 3-16#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups
19.	RB19	0'9" x 2'0"	9.0" 2' 2-20# 6-20#	9.0" 2' 2-20# 6-20#	8#@4"c/c 2 Legged Stirrups	8#@6"c/c 2 Legged Stirrups

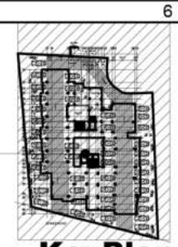


Reinforcement & Stirrups Detail (Varying Depth)



Section '1- 1'

Section '2- 2'



KeyPlan

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:

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. PT Beam & Slab **M35**.
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 **15T/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 Beam reinforcement - **1" (25mm)**
   for Roof Slab reinforcement - **0.75" (20mm)**
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. Stilt Floor Roof Beam layout Plan refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/104**

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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 : 18.4.2025 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

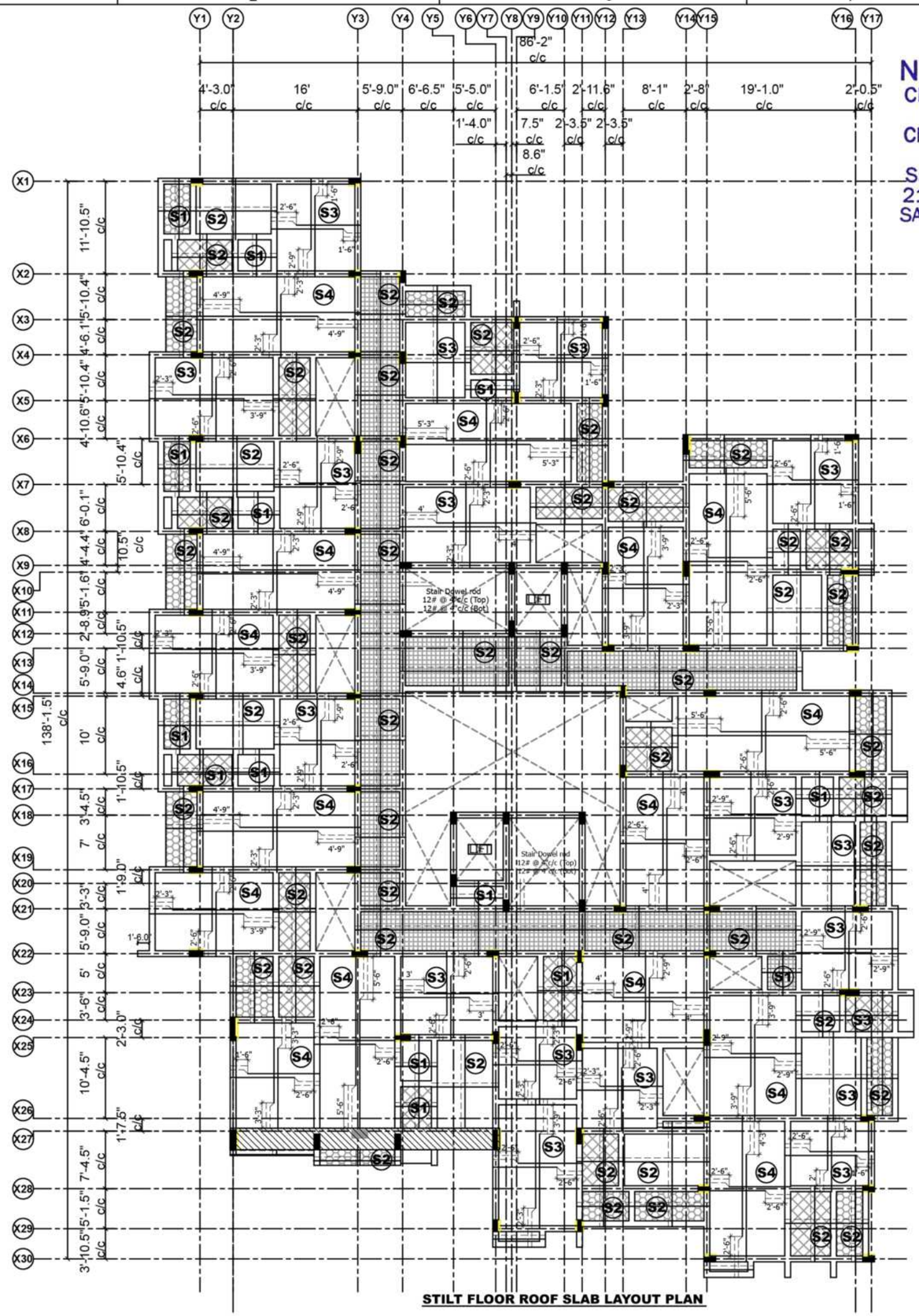
Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/104a

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

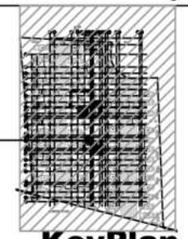
Stilt Floor Roof Beam Reinforcement Detail 2/2

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STILT FLOOR ROOF SLAB LAYOUT PLAN

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



KeyPlan

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

Notes:

1. All dimensions are in'Feet & Inches'unless otherwise noted.
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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. PT Beam & Slab **M35**.
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 **15T/m²** (As per Soil Report)
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   for Roof Slab reinforcement - **0.75" (20mm)**
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. Stilt Floor Roof Slab Reinforcement detail refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/105a**

Working Drawing

Revisions

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

Date : 18.4.2025	Drawn by : K.P	Designed by : S.M	Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/105

Proposed Construction of Apartment Building for Metropole OG at Salem

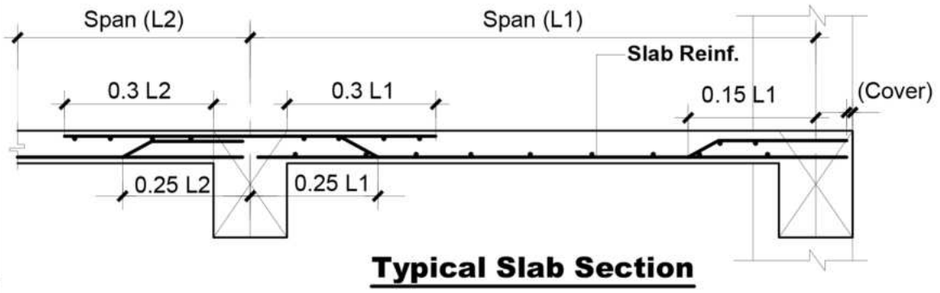
Title :

Stilt Floor Roof Slab Layout Plan

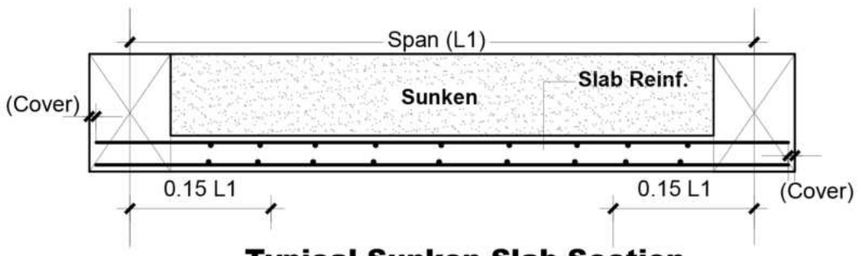
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SCHEDULE FOR STILT FLOOR ROOF SLAB REINFORCEMENT DETAIL:-

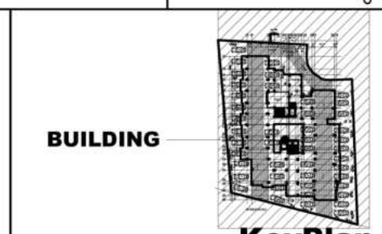
Sl. NO	Slab Name	Type of Slab	Slab Thickness	Bottom Reinforcement		Top Reinforcement	
				Shorter Span(B1)	Longer Span(B2)	Shorter Span(T1)	Longer Span(T2)
1	S1	Two way	5"	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c	8# @ 7"c/c
2	S2	Two way	5"	8# @ 6"c/c	8# @ 7"c/c	8# @ 6"c/c	8# @ 7"c/c
3	S3	Two way	6"	8# @ 6"c/c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



KeyPlan

Legend :
c/c - Centre to Centre
RB - Roof Beam

Notes:

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11. Any discrepancy between this drawing and other drawings must be brought to the notice of consultant.
12. P.C.C **4"** Thk.
13. Stilt Floor Roof Slab Reinforcement detail refer dwg.no: **MC/SLM/JN-315/METROPOLE OG/STR/105**

Working Drawing

Revisions

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

Date : 18.4.2025 | Drawn by : K.P | Designed by : S.M | Appd.by :N.M

Dwg no.: MC/SLM/JN-315/METROPOLE OG/STR/105a

Proposed Construction of Apartment Building for Metropole OG at Salem

Title :

Stilt Floor Roof Slab Reinforcement Detail

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THE LANDLENS SUITE

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

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

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

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

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

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

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

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

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

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
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FREE TOOLS · NO ACCOUNT NEEDED

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

Records and verification

The registers themselves, read for you.

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

Value and duty

What it is worth and what it costs to register.

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

Zoning and land use

What the plan says can happen on this land.

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

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
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- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

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