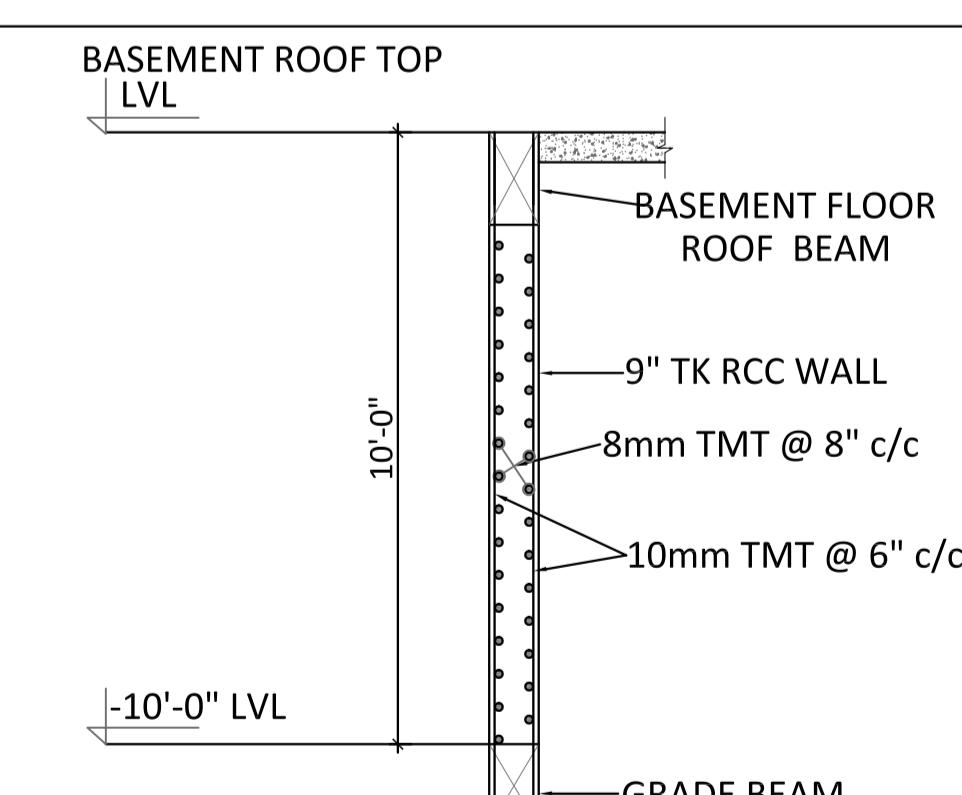


J. PREM KUMAR  
B.E. (CIVIL), M.E. (STRUCTURES)  
COIMBATORE LPASE/GR-1/016/2024  
REGISTERED STRUCTURAL ENGINEER GRADE-1  
13A, SM Tower, 1st Floor, Jawahar Nagar,  
Raja Annamalai Road, Seibba Colony, Coimbatore - 641 043.

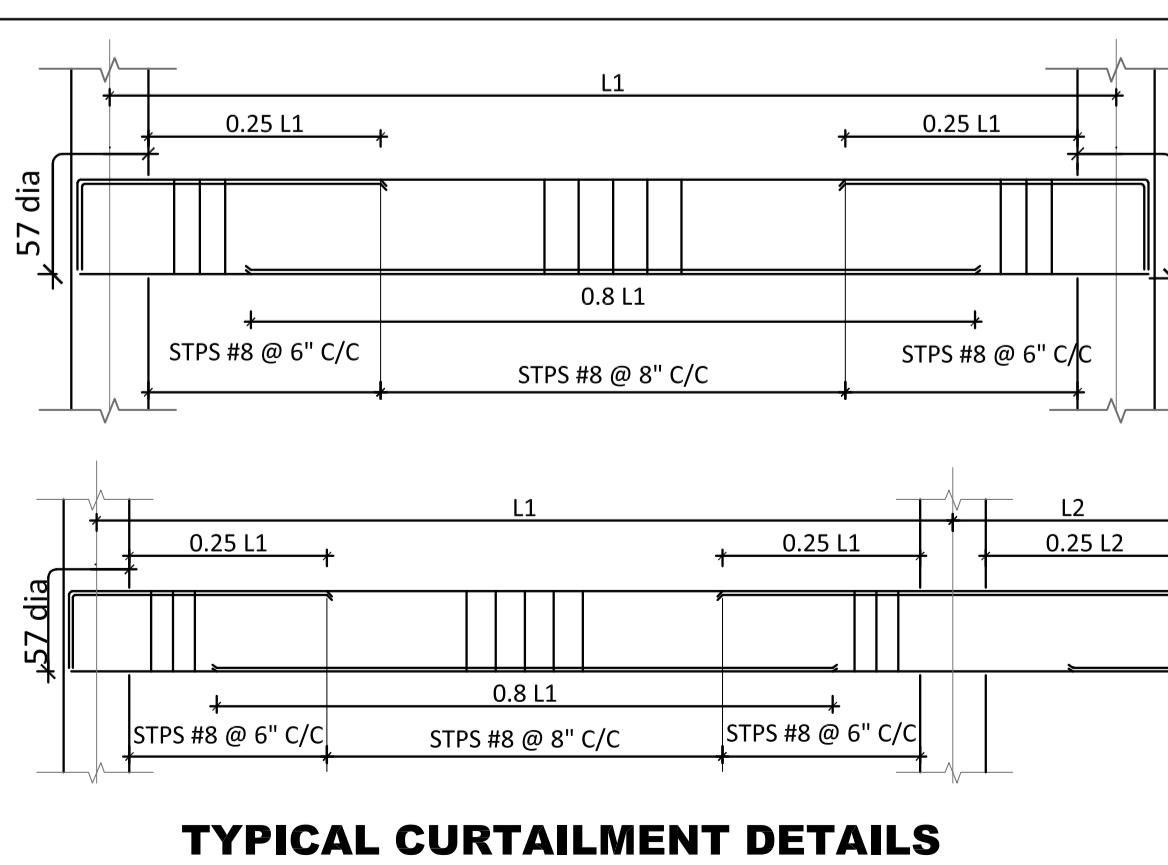
#### BEAM REINFORCEMENT DETAILS:

BEAM TYPE	END SECTION	MID SECTION	BEAM TYPE	END SECTION	MID SECTION					
BEAM-GB1	12"	9" 3 - 12Ø (o) 8mm TMT @ 6" c/c 2 - 12 Ø (o)	12"	9" 2 - 12Ø (o) 8mm TMT @ 8" c/c 3 - 12 Ø (o)	BEAM-GB6	15"	9" 2 - 12Ø (o) 1 - 16Ø (o) 8mm TMT @ 6" c/c 2 - 12 Ø (o)	CANTILEVER		
BEAM-GB2	15"	9" 2 - 12Ø (o) 1 - 16Ø (o) 8mm TMT @ 6" c/c 2 - 12 Ø (o)	15"	9" 2 - 12Ø (o) 1 - 16Ø (o) 8mm TMT @ 8" c/c 2 - 12 Ø (o)	BEAM-GB7	15"	9" 4 - 16Ø (o) 8mm TMT @ 6" c/c 2 - 16 Ø (o)	CANTILEVER		
BEAM-GB3	15"	9" 2 - 16Ø (o) 1 - 12Ø (o) 8mm TMT @ 6" c/c 2 - 16 Ø (o)	15"	9" 2 - 16Ø (o) 1 - 12Ø (o) 8mm TMT @ 8" c/c 1 - 12Ø (o) 2 - 16 Ø (o)	BEAM-GB8	15"	9" 3 - 12Ø (o) 8mm TMT @ 6" c/c 2 - 12 Ø (o)			
BEAM-GB4	15"	9" 3 - 16Ø (o) 8mm TMT @ 6" c/c 2 - 16 Ø (o)	15"	9" 2 - 16Ø (o) 8mm TMT @ 8" c/c 3 - 16 Ø (o)	BEAM-GB9	15"	9" 3 - 16Ø (o) 8mm TMT @ 6" c/c 2 - 16 Ø (o)	CANTILEVER		
BEAM-GB5	15"	9" 4 - 16Ø (o) 8mm TMT @ 6" c/c 2 - 16 Ø (o)	15"	9" 2 - 16Ø (o) 8mm TMT @ 8" c/c 3 - 16 Ø (o)						

**NOTE #** TERMINATE INDICATED COLUMN @ FIRST FLOOR TOP LEVEL  
**\*** TERMINATE INDICATED COLUMN @ STILT FLOOR ROOF TOP LEVEL  
**\*** TERMINATE INDICATED COLUMN @ BASEMENT ROOF TOP LEVEL  
**#** TERMINATE INDICATED COLUMN @ BASEMENT GRADE BEAM TOP LEVEL

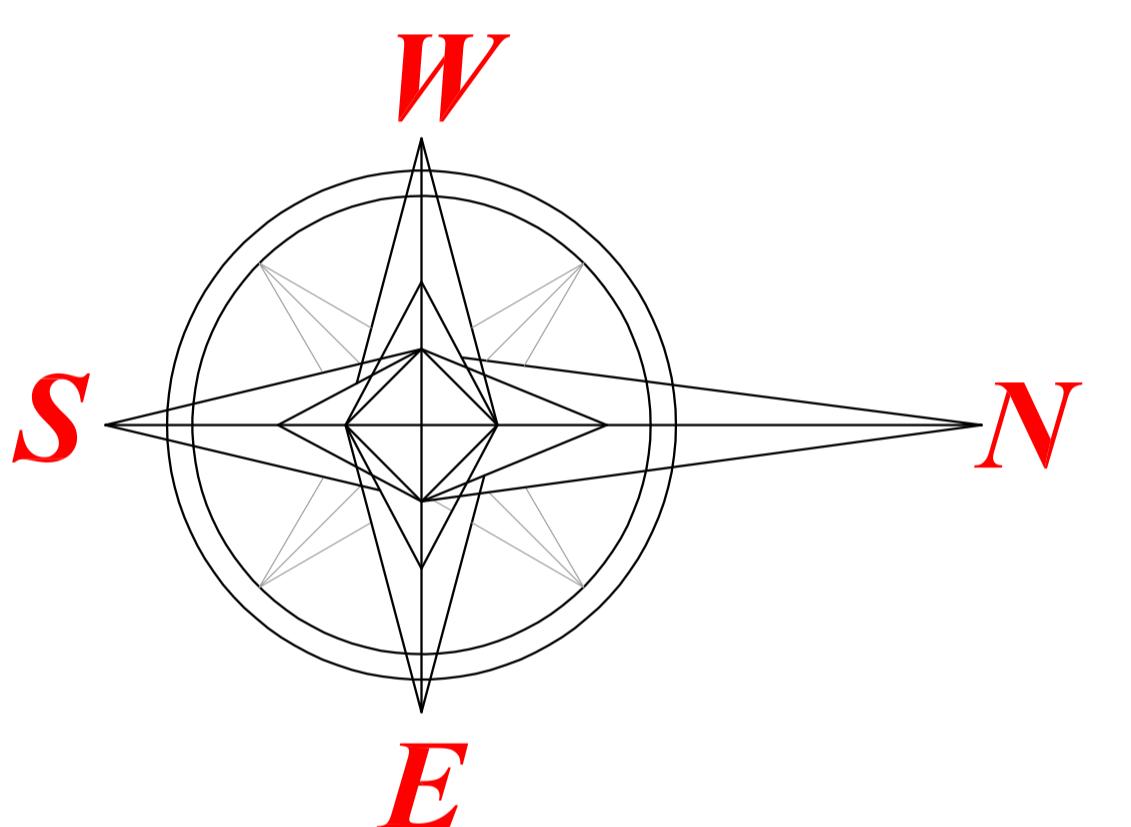


SECTION A-A



**NOTES:**

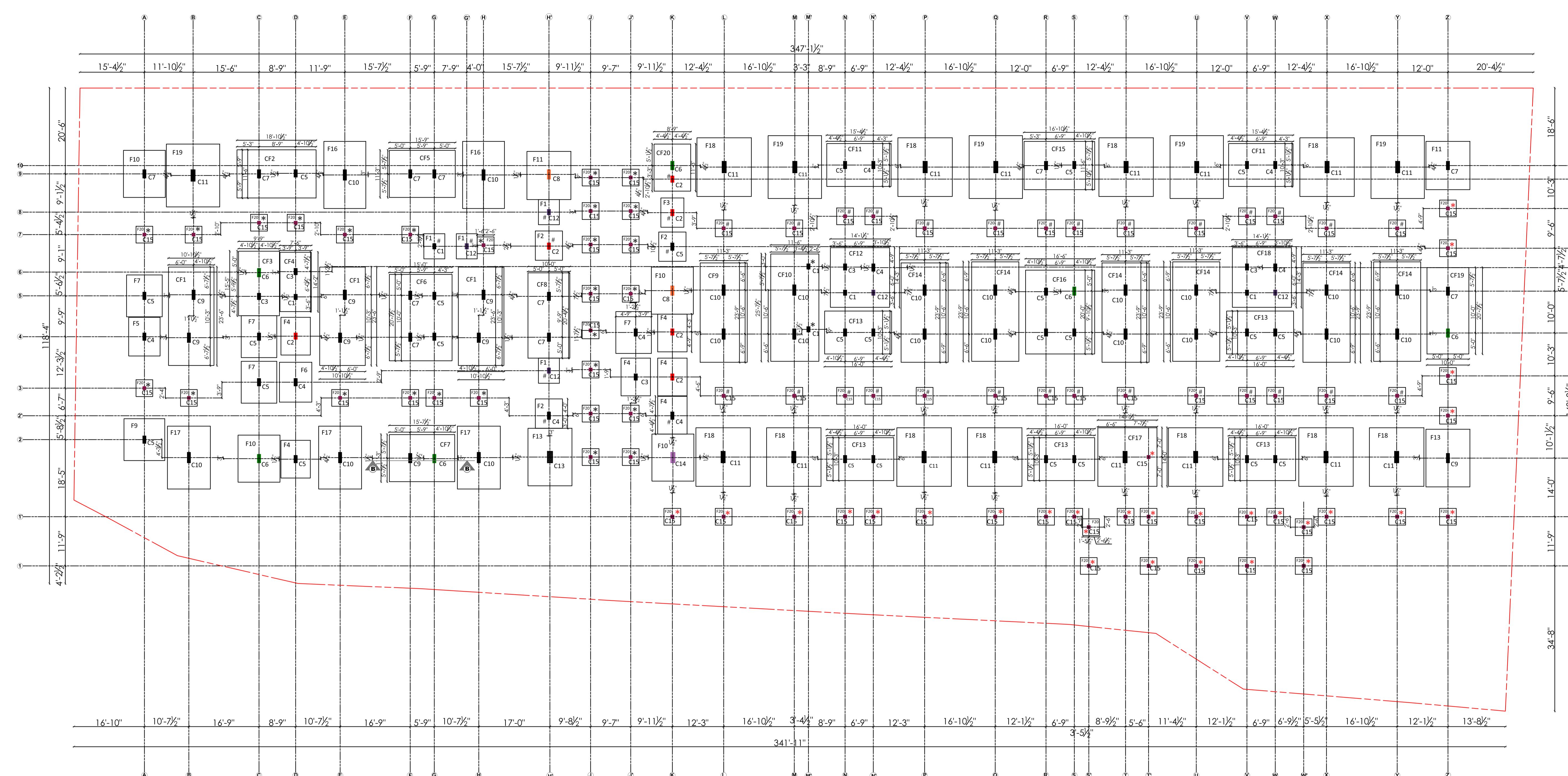
- ALL DIMENSIONS ARE IN "FEET & INCHES" UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN "FEET".
- ALL LEVELS ARE FROM FINISHED FLOOR LEVEL(FFL).
- CONCRETE : **M20 ( 1:1½:3 )** GRADE FOR BEAM
- STEEL : **Fe 500**
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
  - FOR BEAMS - **1" (25 mm)**
- PROVIDE A LAP LENGTH OF **50 Ø** MINIMUM FOR BEAMS REINFORCEMENTS, WHERE **Ø** IS DIAMETER OF MAIN BARS.
- USE **57 Ø** FOR DEVELOPMENT LENGTH.
- LEAVE DOWEL RODS BOTH TOP & BOTTOM FOR STAIRCASE.
- FOR STAIRCASE DETAILS REFER SEPARATE DRAWINGS.
- DRAWING TO BE READ IN CONJUNCTION WITH OTHER RELEVANT PLAN & ELEVATION DRAWINGS.
- ALL DIMENSIONS & SECTIONS SHOULD BE CHECKED BY THE SITE ENGINEER BEFORE CONSTRUCTION.
- DO NOT SCALE THE DRAWING, FOLLOW THE GIVEN DIMENSIONS ONLY.**



**DRAWING TITLE:**  
**BASEMENT GRADE BEAM DETAILS**  
**PROJECT TITLE :**  
**PROPOSED "ORCHID AARNA" RESIDENTIAL APARTMENT @ COIMBATORE**

**CLIENT NAME :**  
**M/S LUMBODHARA REAL ESTATE, @COIMBATORE.**

DATE	REV NO	DESCRIPTION	REV BY
<b>CONSULTANTS :</b>			
<b>INFINUSTECH</b> ENGINEERING * ARCHITECTURE 13 A, 1ST FLOOR, JAWAHAR NAGAR, RAJA ANNAMALAI ROAD, COIMBATORE - 641 011. Mobile : 98455 33324 Email : <a href="mailto:infinustech@gmail.com">infinustech@gmail.com</a>			
DATE	DWG NO	DRAWN BY	CHECKED BY
25.03.25	-----	BALAJI B	BERLIN
SCALE			NTS

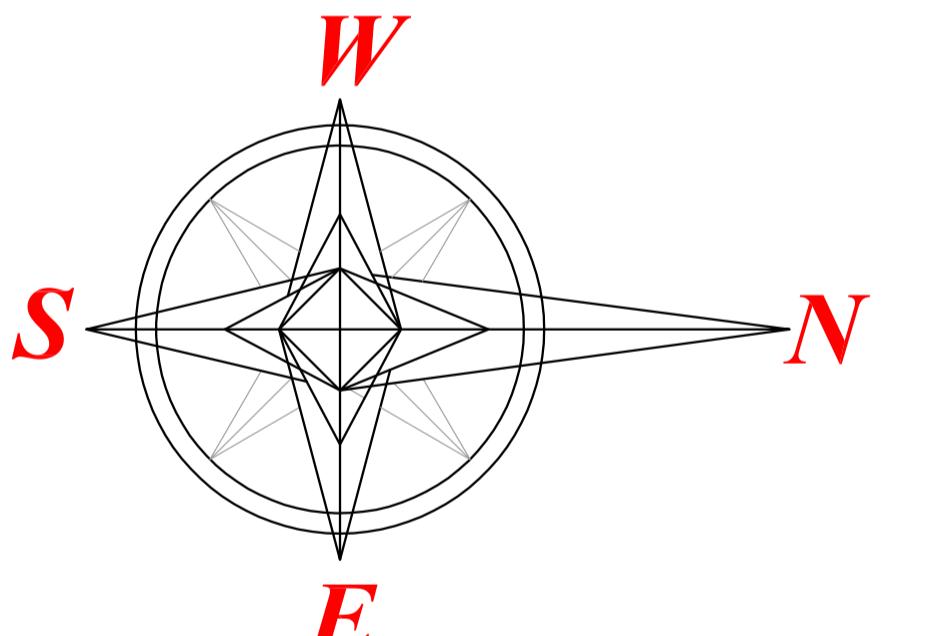


**J. PREM KUMAR**  
B.E. (CIVIL), M.E. (STRUCTURES)  
COIMBATORE LPA/SE/GR-10/16/2024  
REGISTERED STRUCTURAL ENGINEER GRADE-1  
13A, SM Tower, 1st Floor, Jawahar Nagar,  
Raja Annamalai Road, Saibaba Colony, Coimbatore - 641 043.

**NOTES:**

- ALL DIMENSIONS ARE IN "FEET & INCHES" UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN "FEET".
- ALL LEVELS ARE FROM FINISHED FLOOR LEVEL (FFL).
- CONCRETE : GRADE FOR FOOTING **M20 (1:1½:3)**, GRADE FOR COLUMN **M25 (1:1:2)**
- STEEL : **Fe 500**
- CLEAR COVER TO MAIN REINFORCEMENT :
  - FOR FOOTINGS - **2" (50mm)**
  - FOR COLUMNS - **1½" (40mm)**
- USE **57 Ø** FOR DEVELOPMENT LENGTH AS SHOWN IN FOOTING CROSS SECTION.
- PROVIDE A LAP LENGTH OF **50 Ø** MINIMUM FOR COLUMN & FOOTING REINFORCEMENTS, WHERE **Ø** IS DIAMETER OF MAIN BARS.
- SBC ADOPTED FOR THE DESIGN - **216 kN/m<sup>2</sup>** @ 4 m (13'-0") DEPTH FROM NATURAL GROUND LEVEL.
- THE STRUCTURE IS DESIGNED FOR MA BASEMENT+STILT+5 FLOORS ONLY.
- DRAWING TO BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURE DRAWINGS.
- ALL DIMENSIONS & SECTIONS SHOULD BE CHECKED BY THE SITE ENGINEER BEFORE CONSTRUCTION.
- DO NOT SCALE THIS DRAWING, FOLLOW GIVEN DIMENSIONS ONLY.**

**\*** TERMINATE INDICATED COLUMN @ BASEMENT ROOF TOP LEVEL  
**#** TERMINATE INDICATED COLUMN @ BASEMENT GRADE BEAM TOP LEVEL  
**\*** TERMINATE INDICATED COLUMN @ GRADE BEAM TOP LEVEL  
**#** TERMINATE INDICATED COLUMN @ FIRST FLOOR TOP LEVEL  
**\*** TERMINATE INDICATED COLUMN @ STILT FLOOR ROOF TOP LEVEL



**DRAWING TITLE:**  
**COLUMN & FOOTING CENTER LINE LAYOUT & DETAILS**

**PROJECT TITLE :**  
**PROPOSED "ORCHID AARNA" RESIDENTIAL APARTMENT @ COIMBATORE**

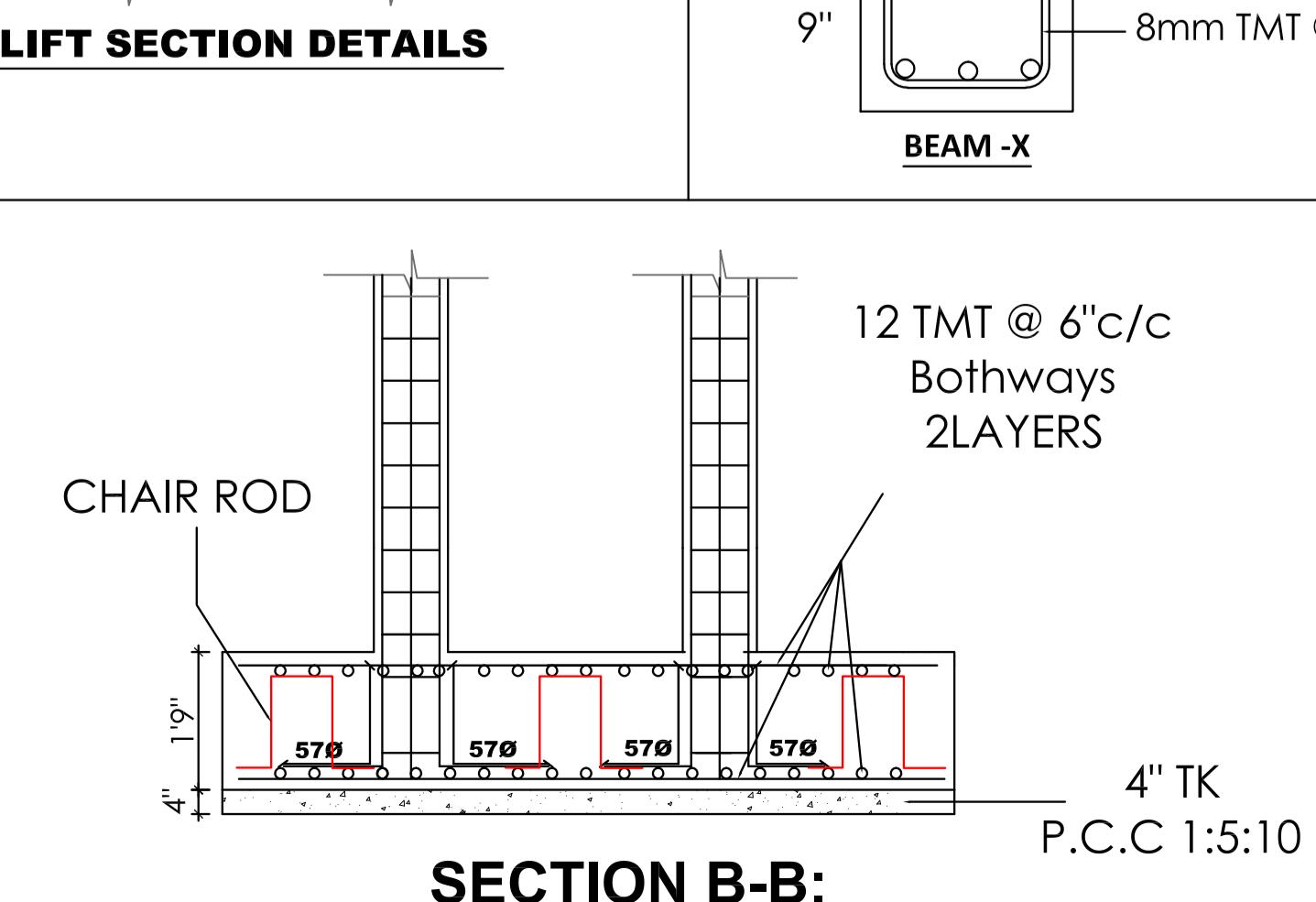
**CLIENT NAME :**  
**M/S LUMBODHARA REAL ESTATE, @COIMBATORE.**

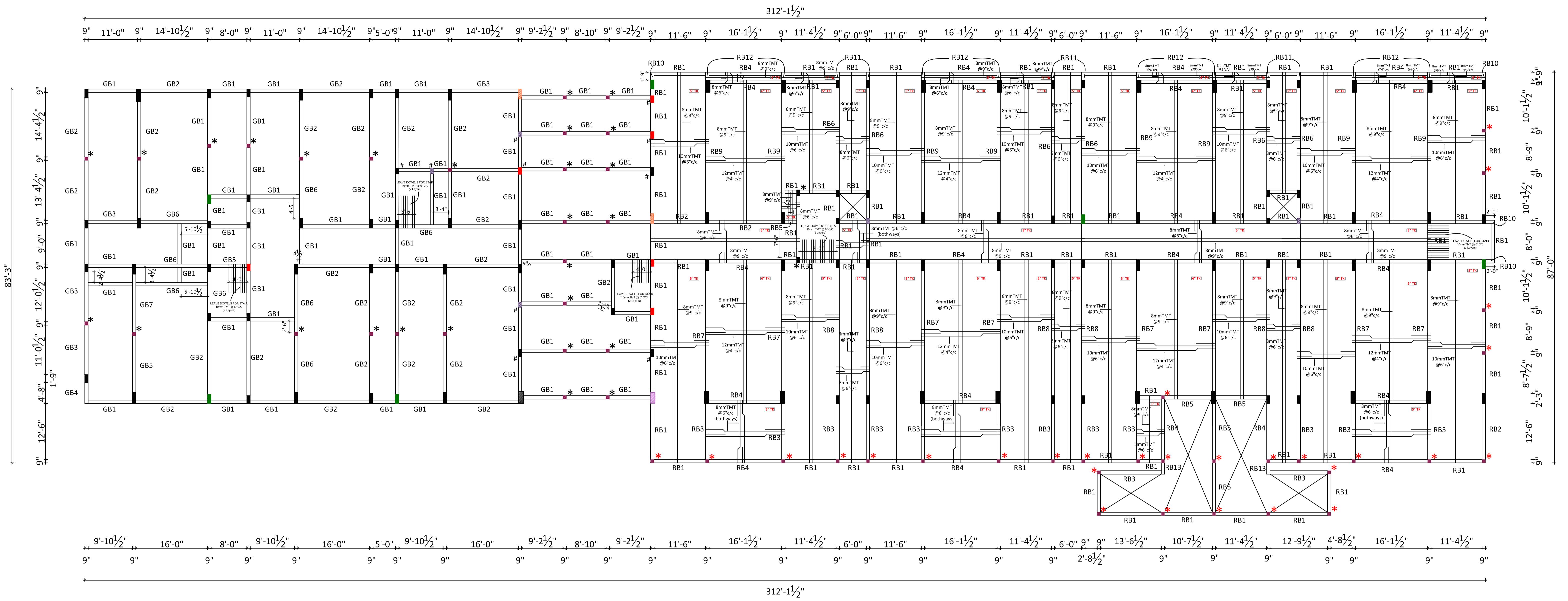
DATE	REV NO	DESCRIPTION	REV BY
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**CONSULTANTS :**  
**INFINUSTECH**  
13 A, 1ST FLOOR, JAWAHAR NAGAR,  
RAJA ANNAMALAI ROAD,  
COIMBATORE - 641 011.  
Mobile : 98455 33324  
Email : [infinustech@gmail.com](mailto:infinustech@gmail.com)

DATE	DRAWING NO	DRAWN BY	CHECKED BY	SCALE
03.04.25	-----	BALAJI B	BERLIN	NTS

COLUMN / FOOTING REINFORCEMENT DETAILS:			FOOTING DETAILS:			COMBINED FOOTING DETAILS:																	
COLUMN TYPE	COLUMN SIZE	GRIDS	COLUMN REINFORCEMENT	MIX	TOTAL NO. OF COLUMNS	FOOTING TYPE	FOOTING SIZE (L x B x D) & REINFORCEMENT	MIX	FOOTING TYPE	COLUMN TYPES	GRIDS	FOOTING SIZE (L x B x D) & REINFORCEMENT	MIX	TOTAL NO. OF COLUMNS	FOOTING TYPE	COLUMN TYPES	GRIDS	FOOTING SIZE (L x B x D) & REINFORCEMENT	MIX	TOTAL NO. OF COLUMNS			
C1	9'X15"	D5,G7,M6,M4,N5,V5	15" 0 - 12mm Ø (s) 8mm Ø TMT @ 7" c/c (1 Tie + 1 Link)	M25 (1:1:2)	06	F1	6'0" x 5'0" x 3" 10 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF1	C9	B4,B5,E4,E5,H4,H5	10'10" x 23'6" x 29" - 16 mm Ø TMT @ 6'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	06	CF20	C2,C6	K9,K10	8'9" x 11'3" x 23" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02			
C2	9'X18"	D4,H7,K3,K4,K8,K9	18" 10 - 16mm Ø (s) 8mm TMT @ 8'c/c (2 Ties)	M25 (1:1:2)	06	F2	7'0" x 6'0" x 16" 12 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF2	C5,C7	C9,D9	18'10" x 11'6" x 26" - 16 mm Ø TMT @ 6'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C3	9'X18"	C5,D6,J3,N6,V6	18" 8 - 20mm Ø (s) 8mm TMT @ 8'c/c (1 Link + 1 Tie)	M25 (1:1:2)	05	F3	7'0" x 5'6" x 13" 10 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF3	C3,C6	C5,C6	9'9" x 15'5" x 23" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C4	9'X21"	A4,D3,H2,J4,K2,N6,N10,W6,W10	21" 10 - 20mm Ø (s) 8mm TMT @ 8'c/c (2 Ties)	M25 (1:1:2)	09	F4	9'0" x 7'0" x 19" 12 mm Ø TMT @ 4'c/c [Both ways]	M20 (1:1½:3)	CF4	C1,C3	D5,D6	7'6" x 14'2" x 19" - 12 mm Ø TMT @ 5'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C5	9'X21"	A2,A5,C3,C4,D2,D9,G4,G5,K7,N2,N4,N10,N2,N4,N5,S2,S4,S10,V2,V4,W10,W2,W4	21" 10 - 25mm Ø (s) 8mm TMT @ 8'c/c (2 Ties)	M25 (1:1:2)	24	F5	9'6" x 7'0" x 20" 12 mm Ø TMT @ 5'c/c [Both ways]	M20 (1:1½:3)	CF5	C7	F9,G9	15'9" x 11'3" x 26" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C6	9'X24"	C2,C6,G2,K10,S5,Z4	24" 10 - 25mm Ø (s) 8mm TMT @ 8'c/c (2 Ties)	M25 (1:1:2)	06	F6	10'0" x 8'6" x 20" 12 mm Ø TMT @ 4'c/c [Both ways]	M20 (1:1½:3)	CF6	C7,C5	F4,F5,G4,G5	15'0" x 20'7" x 26" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	04									
C7	9'X24"	A9,C9,F5,F9,G9,H4,H5,R10,Z5,Z10	24" 12 - 25mm Ø (s) 8mm TMT @ 8'c/c (2 Ties)	M25 (1:1:2)	11	F7	10'0" x 8'6" x 20" 12 mm Ø TMT @ 4'c/c [Both ways]	M20 (1:1½:3)	CF7	C6,C9	F2,G2	15'7" x 11'3" x 26" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C8	9'X27"	K5,H9	27" 12 - 25mm Ø (s) 8mm TMT @ 8'c/c (2 Ties)	M25 (1:1:2)	02	F8	10'3" x 8'9" x 23" 12 mm Ø TMT @ 4'c/c [Both ways]	M20 (1:1½:3)	CF8	C7	H4,H5	10'0" x 20'4" x 26" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C9	9'X27"	B4,B5,E4,E5,F2,H4,H5,Z2	27" 14 - 25mm Ø (s) 8mm TMT @ 8'c/c (3 Ties)	M25 (1:1:2)	08	F9	10'0" x 9'9" x 23" 12 mm Ø TMT @ 4'c/c [Both ways]	M20 (1:1½:3)	CF9	C10	L4,L5	11'3" x 23'9" x 29" - 16 mm Ø TMT @ 6'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
C10	9'X30"	B2,E2,H2,H9,L4,L5,M4,M5,P4,P5,Q4,Q5,U4,U5,X4,X5,Y4,Y5	30" 16 - 25mm Ø (s) 8mm TMT @ 8'c/c (3 Ties)	M25 (1:1:2)	21	F10	11'1" x 10'2" x 26" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF10	C1,C10	M4,M5,M4,M6	11'6" x 25'7" x 29" - 16 mm Ø TMT @ 6'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	04									
C11	12'X33"	B9,L2,L10,M2,M10,P2,P10,Q2,Q10,T10,U2,U10,X2,X10,Y10,Y2	33" 16 - 25mm Ø (s) 8mm TMT @ 8'c/c (3 Ties)	M25 (1:1:2)	17	F11	13'3" x 9'9" x 29" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF11	C4,C5	N9,N9,V9,W9	15'4" x 10'3" x 23" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	04									
C12	9'X15"	G7,H3,H8,N5,W5	15" 8 - 16mm Ø (s) 8mm Ø TMT @ 7" c/c (1 Tie + 1 Link)	M25 (1:1:2)	05	F12	13'3" x 9'9" x 29" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF12	C1,C3,C4,C12	N5,N6,N5,N6	14'1" x 14'3" x 20" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	04									
C13	15'X33"	H2	33" 18 - 25mm Ø (s) 8mm TMT @ 8'c/c (4 Ties)	M25 (1:1:2)	01	F13	13'3" x 10'2" x 29" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF13	C5	N2,N4,N2,N4,R2,S2,V2,V4,W2,W4	10'3" x 16'0" x 23" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	10									
C14	9'X30"	K2	30" 12 - 25mm Ø (s) 8mm TMT @ 8'c/c (3 Ties)	M25 (1:1:2)	01	F14	13'3" x 11'7" x 29" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF14	C10	P4,P5,Q4,Q5,T4,T5,U4,U5,X4,X5,Y4,Y5	11'3" x 23'9" x 29" - 16 mm Ø TMT @ 6'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	12									
C15	9'X9"	A3,A7,B3,B7,C7,D7,E7,F7,F7,G2,H2,H7,J2,J7,K2,K7,L2,L7,M2,M7,N2,N7,N7,N9,N11,P2,P3,P8,Q1,Q3,Q8,R1,S2,S3,S8,S13,S3,S8,S15,S17,T1,T3,T18,U1,U11,U3,U8,V1,V1,V3,V8,W1,W3,W8,W1,W1,X1,X3,X8,Y1,Y3,Y8,Z1,Z2,Z7,Z8	33" 6 - 12mm Ø (s) 8mm Ø TMT @ 7" c/c (1 Tie)	M25 (1:1:2)	85	F15	14'0" x 10'7" x 30" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF15	C5,C7	R9,S9	16'10" x 11'6" x 26" - 16 mm Ø TMT @ 6'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
						F16	14'0" x 10'7" x 30" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF16	C5,C6	R4,R5,S4,S5	16'4" x 20'0" x 23" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	04									
						F17	14'0" x 10'7" x 30" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF17	C11,C15	T2,T2	14'1" x 14'3" x 20" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
						F18	15'0" x 12'9" x 33" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF18	C1,C3,C4,C12	V5,V6,W5,W6	14'1" x 14'3" x 20" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	04									
						F19	14'0" x 10'7" x 30" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)	CF19	C6,C7	24,25	10'0" x 20'7" x 26" - 12 mm Ø TMT @ 4'c/c Both ways (2 LAYERS)	M20 (1:1½:3)	02									
						F20	14'0" x 10'7" x 30" 16 mm Ø TMT @ 6'c/c [Both ways]	M20 (1:1½:3)				4" TK	P.C.C 1:5:10										





#### NOTES:

- ALL DIMENSIONS ARE IN "FEET & INCHES" UNLESS OTHERWISE SPECIFIED.
- ALL LEVELS ARE IN "FEET".
- ALL LEVELS ARE FROM FINISHED FLOOR LEVEL (FFL).
- CONCRETE : M20 (1:1.5:3) GRADE FOR BEAM
- STEEL : Fe 500
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
  - FOR BEAMS - 1" (25 mm)
- PROVIDE A LAP LENGTH OF 50 Ø MINIMUM FOR BEAMS REINFORCEMENTS, WHERE Ø IS DIAMETER OF MAIN BARS.
- USE 57 Ø FOR DEVELOPMENT LENGTH.
- LEAVE DOWEL RODS BOTH TOP & BOTTOM FOR STAIRCASE.
- FOR STAIRCASE DETAILS REFER SEPARATE DRAWINGS.
- DRAWING TO BE READ IN CONJUNCTION WITH OTHER RELEVANT PLAN & ELEVATION DRAWINGS.
- ALL DIMENSIONS & SECTIONS SHOULD BE CHECKED BY THE SITE ENGINEER BEFORE CONSTRUCTION.
- DO NOT SCALE THE DRAWING, FOLLOW THE GIVEN DIMENSIONS ONLY.

#### NOTE

＊ TERMINATE INDICATED COLUMN @ BASEMENT ROOF TOP LEVEL

＊ TERMINATE INDICATED COLUMN @ GRADE BEAM TOP LEVEL

# TERMINATE INDICATED COLUMN @ FIRST FLOOR TOP LEVEL

＊ TERMINATE INDICATED COLUMN @ STILT FLOOR ROOF TOP LEVEL

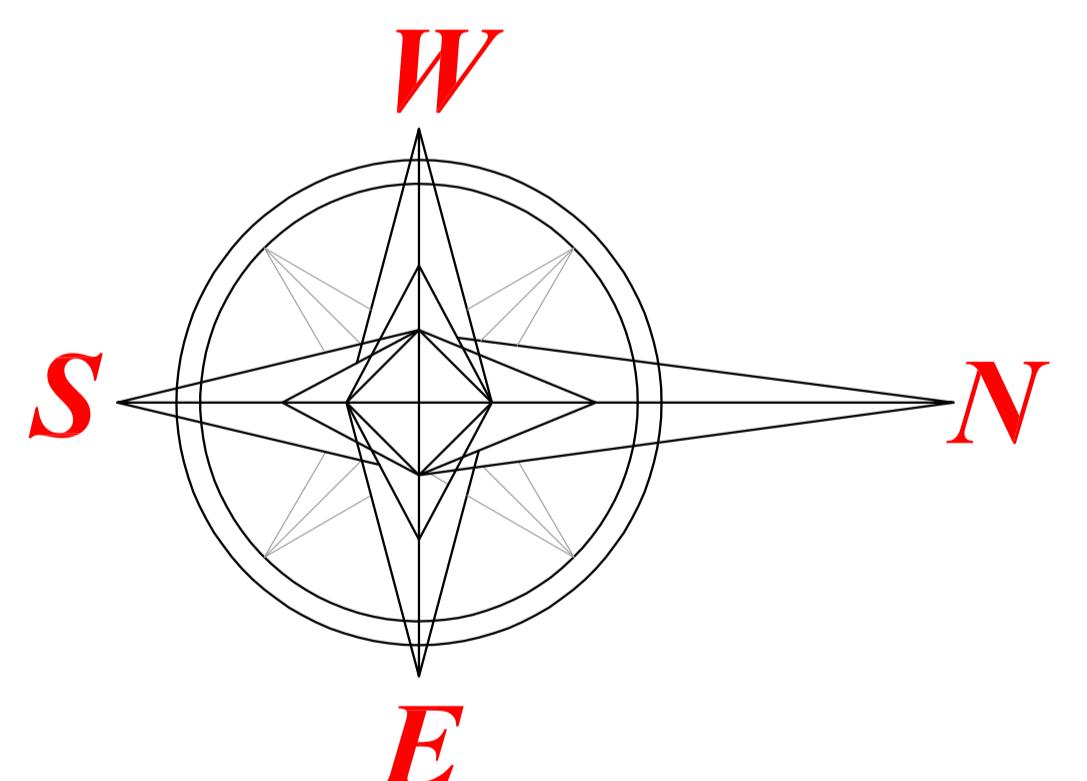
**J. PREM KUMAR**  
B.E. (CIVIL), M.E. (STRUCTURES)  
COIMBATORE LPA/SE/GR-1/016/2024  
REGISTERED STRUCTURAL ENGINEER GRADE-1  
13A, SM Tower, 1st Floor, Jawahar Nagar,  
Raja Annamalai Road, Saibaba Colony, Coimbatore - 641 043.

#### DRAWING TITLE:

GRADE BEAM &  
BASEMENT ROOF BEAM DETAILS

#### PROJECT TITLE :

PROPOSED "ORCHID AARNA" RESIDENTIAL  
APARTMENT @ COIMBATORE

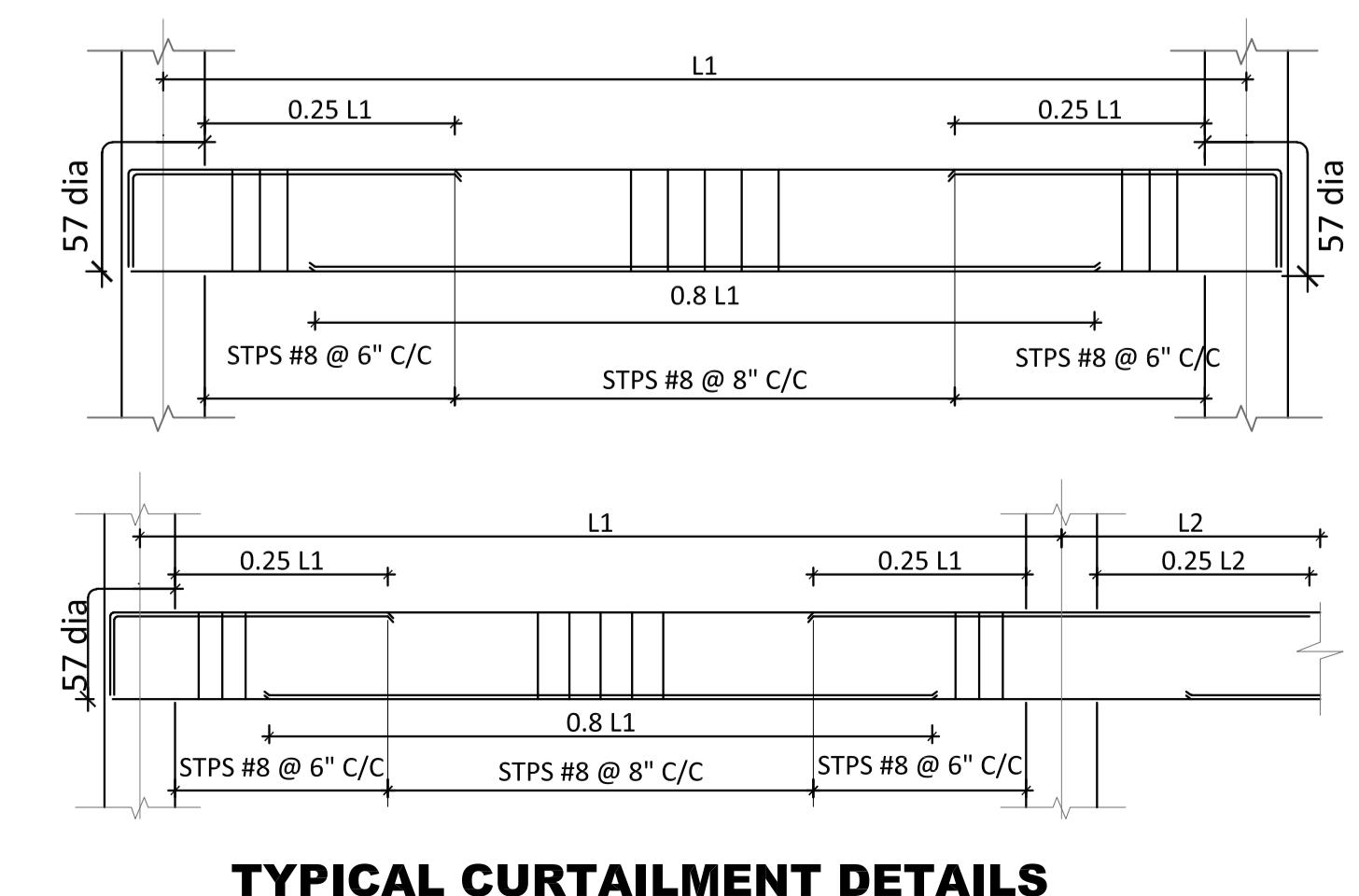


#### CLIENT NAME :

M/S LUMBODHARA REAL ESTATE,  
@COIMBATORE.

#### CONSULTANTS :

**INFINUSTECH**  
13 A, 1ST FLOOR, JAWAHAR NAGAR,  
RAJA ANNAMALAI ROAD,  
COIMBATORE - 641 011.  
Mobile : 98455 33324  
Email : [infinustech@gmail.com](mailto:infinustech@gmail.com)



#### GRADE BEAM REINFORCEMENT DETAILS:

BEAM TYPE	END SECTION	MID SECTION
BEAM - GB1	12" x 9" 3 - 12Ø (ø) 8mm TMT @ 6" c/c 2 - 12Ø (ø)	12" x 9" 2 - 12Ø (ø) 8mm TMT @ 8" c/c 3 - 12Ø (ø)
BEAM - GB2	15" x 9" 3 - 12Ø (ø) 8mm TMT @ 6" c/c 2 - 12Ø (ø)	15" x 9" 2 - 12Ø (ø) 8mm TMT @ 8" c/c 3 - 12Ø (ø)
BEAM - GB3	15" x 9" 1 - 12Ø (ø) 2 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	15" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 3 - 16Ø (ø)
BEAM - GB4	15" x 9" 1 - 12Ø (ø) 2 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	CANTILEVER
BEAM - GB5	12" x 9" 1 - 12Ø (ø) 2 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	12" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 2 - 16Ø (ø)
BEAM - GB6	15" x 9" 3 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	15" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 3 - 16Ø (ø)
BEAM - GB7	15" x 9" 4 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	15" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 3 - 16Ø (ø)

#### ROOF BEAM REINFORCEMENT DETAILS:

BEAM TYPE	END SECTION	MID SECTION	BEAM TYPE	END SECTION	MID SECTION	BEAM TYPE	END SECTION	MID SECTION
BEAM - RB1	12" x 9" 3 - 12Ø (ø) 8mm TMT @ 6" c/c 2 - 12Ø (ø)	12" x 9" 2 - 12Ø (ø) 8mm TMT @ 8" c/c 3 - 12Ø (ø)	BEAM - RB8	24" x 9" 5 - 20Ø (ø) 8mm TMT @ 6" c/c 3 - 20Ø (ø)	24" x 9" 3 - 20Ø (ø) 8mm TMT @ 8" c/c	BEAM - RB9	24" x 9" 6 - 20Ø (ø) 8mm TMT @ 6" c/c 3 - 20Ø (ø)	24" x 9" 3 - 20Ø (ø) 8mm TMT @ 8" c/c
BEAM - RB2	15" x 9" 1 - 16Ø (ø) 2 - 12Ø (ø) 8mm TMT @ 6" c/c 2 - 12Ø (ø)	15" x 9" 2 - 12Ø (ø) 8mm TMT @ 8" c/c 2 - 12Ø (ø)	BEAM - RB3	15" x 9" 4 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	15" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 3 - 16Ø (ø)	BEAM - RB10	12" x 9" 3 - 12Ø (ø) 8mm TMT @ 6" c/c 2 - 12Ø (ø)	CANTILEVER
BEAM - RB4	15" x 9" 3 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	15" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 3 - 16Ø (ø)	BEAM - RB5	15" x 9" 1 - 12Ø (ø) 2 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	15" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 2 - 16Ø (ø)	BEAM - RB11	24" x 9" 4 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	CANTILEVER
BEAM - RB6	24" x 9" 4 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	24" x 9" 2 - 16Ø (ø) 8mm TMT @ 8" c/c 3 - 16Ø (ø)	BEAM - RB7	24" x 9" 5 - 16Ø (ø) 8mm TMT @ 6" c/c 3 - 16Ø (ø)	24" x 9" 3 - 16Ø (ø) 8mm TMT @ 8" c/c 4 - 16Ø (ø)	BEAM - RB12	24" x 9" 6 - 20Ø (ø) 8mm TMT @ 6" c/c 3 - 20Ø (ø)	CANTILEVER
BEAM - RB8	24" x 9" 3 - 20Ø (ø) 8mm TMT @ 8" c/c	24" x 9" 5 - 20Ø (ø) 8mm TMT @ 6" c/c 3 - 20Ø (ø)	BEAM - RB9	24" x 9" 6 - 20Ø (ø) 8mm TMT @ 6" c/c 3 - 20Ø (ø)	24" x 9" 5 - 20Ø (ø) 8mm TMT @ 8" c/c	BEAM - RB13	15" x 9" 3 - 16Ø (ø) 8mm TMT @ 6" c/c 2 - 16Ø (ø)	CANTILEVER

TYPICAL CURTAILMENT DETAILS

DATE	DRAWING NO	DRAWN BY	CHECKED BY	SCALE
02.05.25	-----	BALAJI B	BERLIN	NTS