

J. PREM KUMAR
B.E. (CIVIL), M.E. (STRUCTURES)
COIMBATORE LPA/SE/GR-1/018/2024
REGISTERED STRUCTURAL ENGINEER GRADE-1
13A, SM Tower, 1st Floor, Jawahar Nagar,
Raja Annamalai Road, Saibaba Colony, Coimbatore - 641 043.

BEAM REINFORCEMENT DETAILS:

BEAM TYPE	END SECTION	MID SECTION	BEAM TYPE	END SECTION	MID SECTION
BEAM-GB1			BEAM-GB6		CANTILEVER
BEAM-GB2			BEAM-GB7		CANTILEVER
BEAM-GB3			BEAM-GB8		
BEAM-GB4			BEAM-GB9		CANTILEVER
BEAM-GB5					

NOTE #

*** TERMINATE INDICATED COLUMN @ FIRST FLOOR TOP LEVEL**

*** TERMINATE INDICATED COLUMN @ STILT FLOOR ROOF TOP LEVEL**

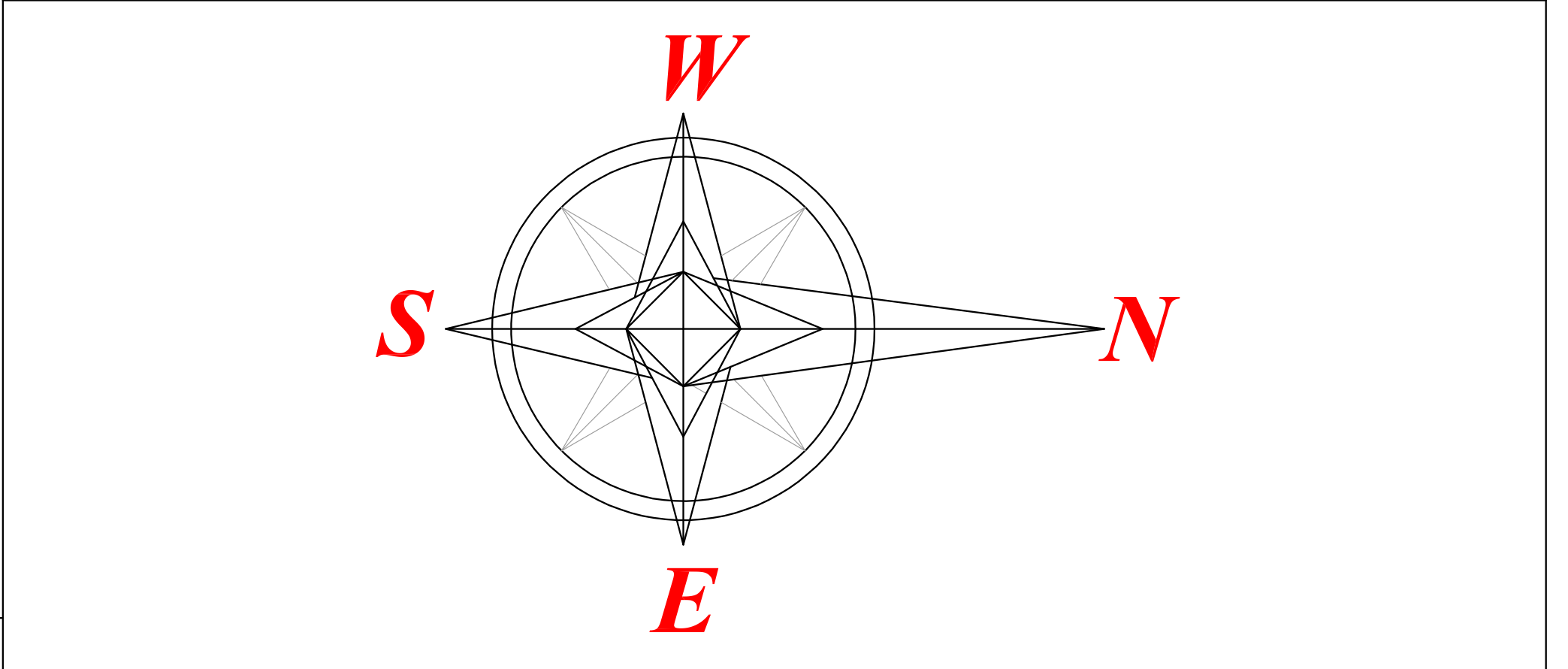
*** TERMINATE INDICATED COLUMN @ BASEMENT ROOF TOP LEVEL**

TERMINATE INDICATED COLUMN @ BASEMENT GRADE BEAM TOP LEVEL

SECTION A-A

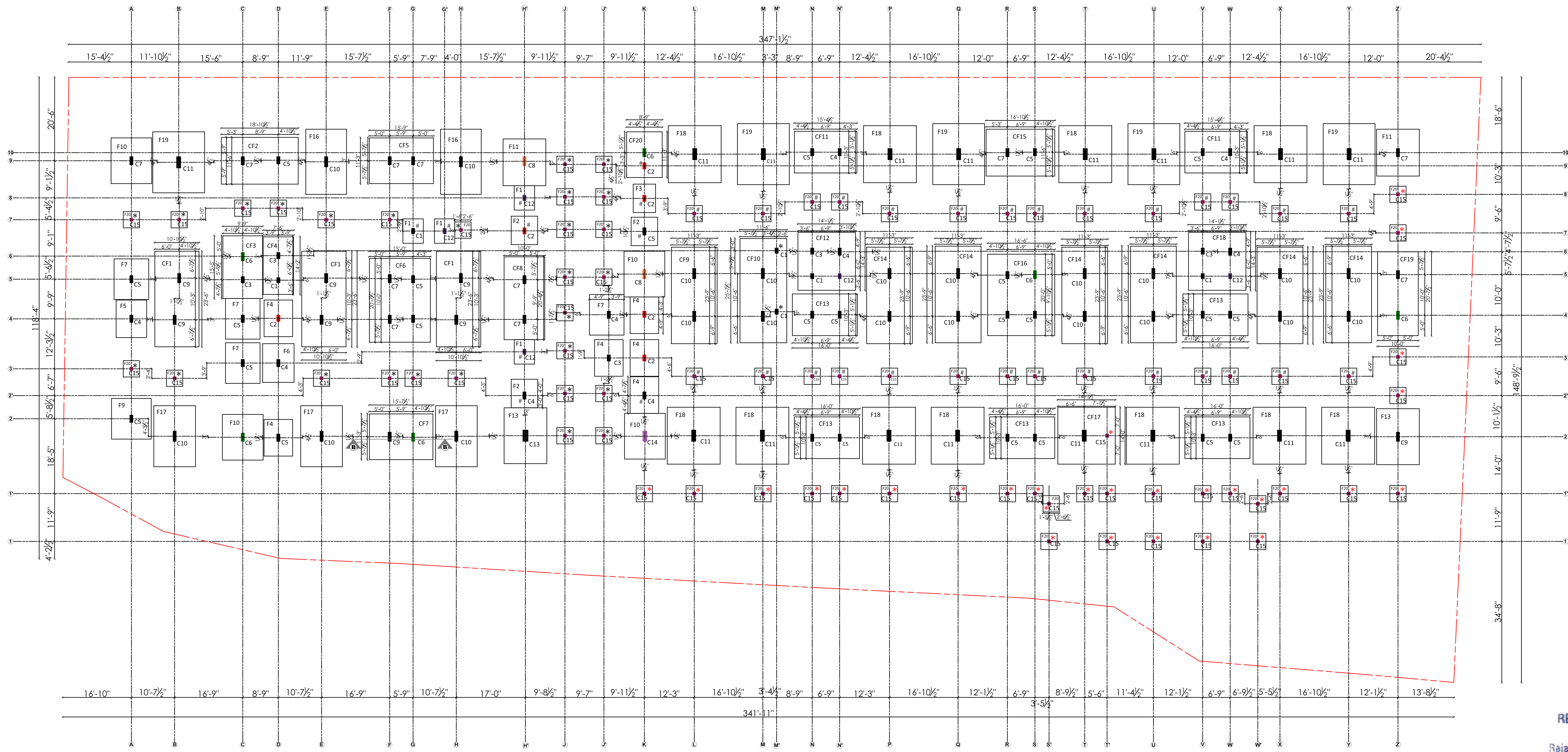
TYPICAL CURTAILMENT DETAILS

- 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:
a) 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	
25.03.25	-----	BALAJI B	BERLIN	NTS

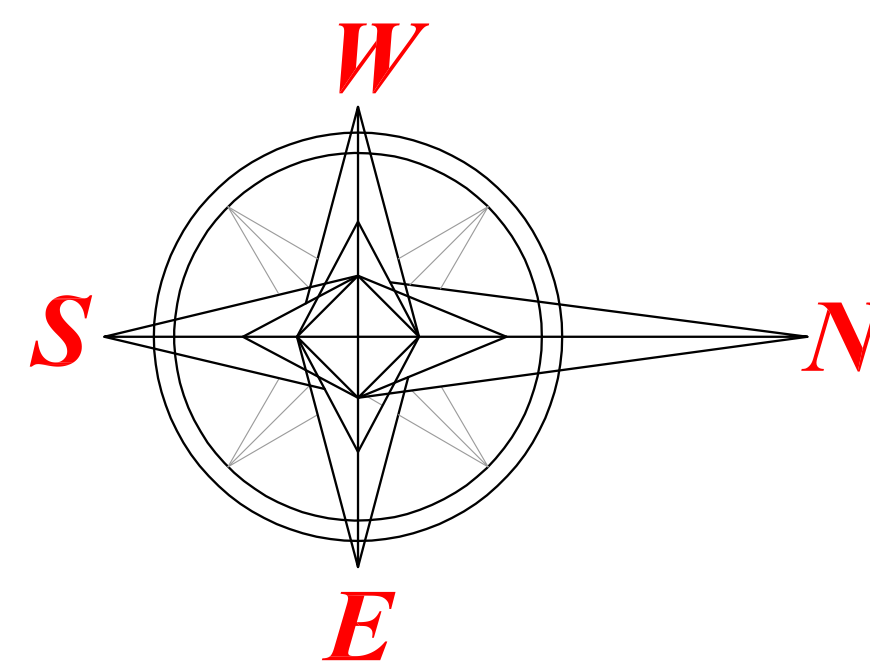
INFINUSTECH
ENGINEERING * ARCHITECTURE
13 A, 1ST FLOOR, JAWAHAR NAGAR,
RAJA ANNAMALAI ROAD,
COIMBATORE - 641 011.
Mobile : 98455 33324
Email : infinustech@gmail.com



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.

- NOTES:**
01. ALL DIMENSIONS ARE IN "FEET & INCHES" UNLESS OTHERWISE SPECIFIED.
 02. ALL LEVELS ARE IN "FEET".
 03. ALL LEVELS ARE FROM FINISHED FLOOR LEVEL (FFL).
 04. CONCRETE : GRADE FOR FOOTING **M20 (1:1½:3)**, GRADE FOR COLUMN **M25 (1:1:2)**
 05. STEEL : **Fe 500**
 06. CLEAR COVER TO MAIN REINFORCEMENT :
 - a) FOR FOOTINGS - **2" (50mm)**
 - b) FOR COLUMNS - **1½" (40mm)**
 07. USE **57 Ø** FOR DEVELOPMENT LENGTH AS SHOWN IN FOOTING CROSS SECTION.
 08. PROVIDE A LAP LENGTH OF **50 Ø** MINIMUM FOR COLUMN & FOOTING REINFORCEMENTS, WHERE Ø IS DIAMETER OF MAIN BARS.
 09. SBC ADOPTED FOR THE DESIGN - **216 kN/m² @ 4 m** (13'-0") DEPTH FROM NATURAL GROUND LEVEL .
 10. THE STRUCTURE IS DESIGNED FOR MA **BASEMENT+STILT+5** FLOORS ONLY.
 11. DRAWING TO BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURE DRAWINGS.
 12. ALL DIMENSIONS & SECTIONS SHOULD BE CHECKED BY THE SITE ENGINEER BEFORE CONSTRUCTION.
 13. **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

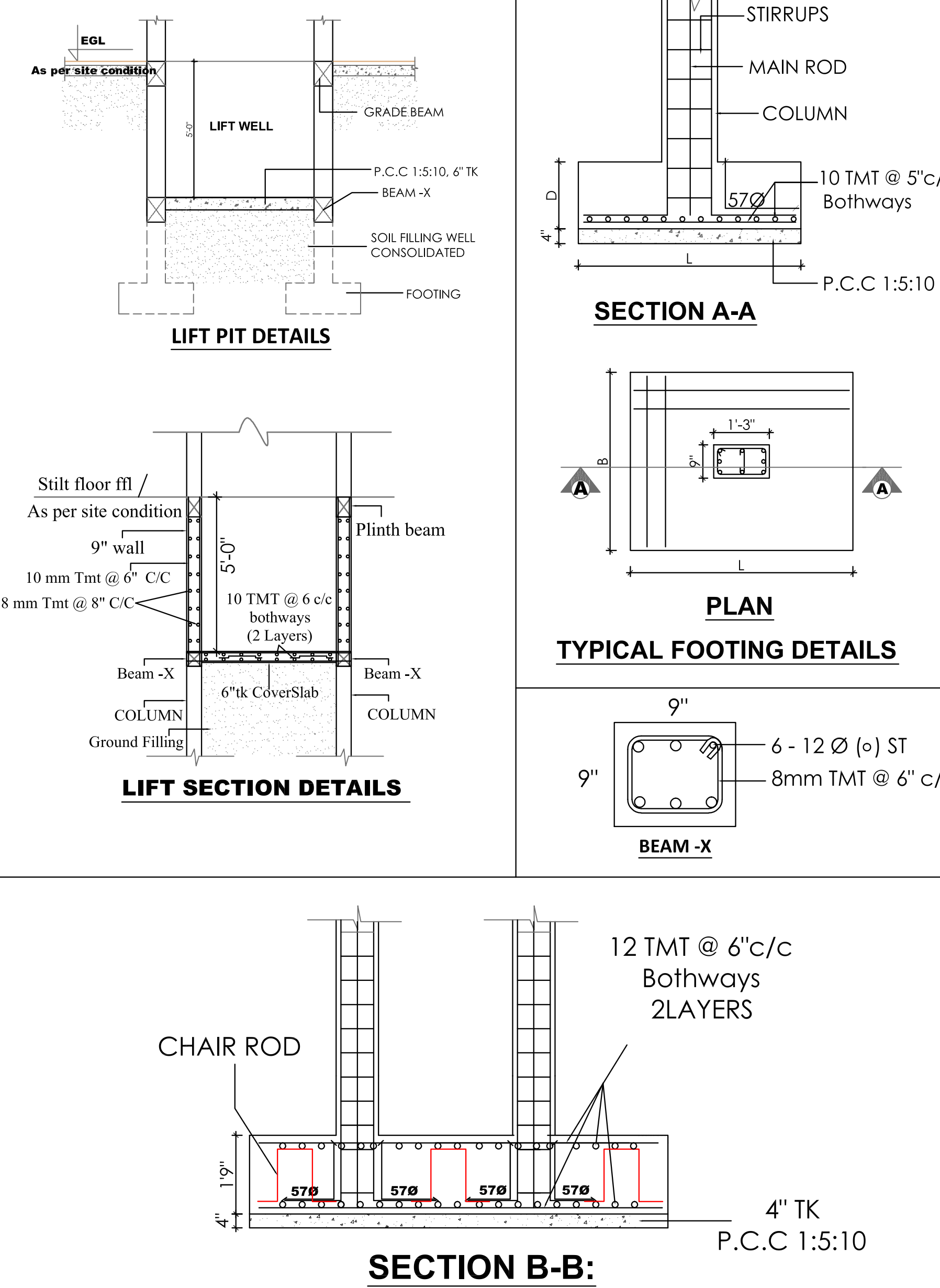
PROJECT TITLE :

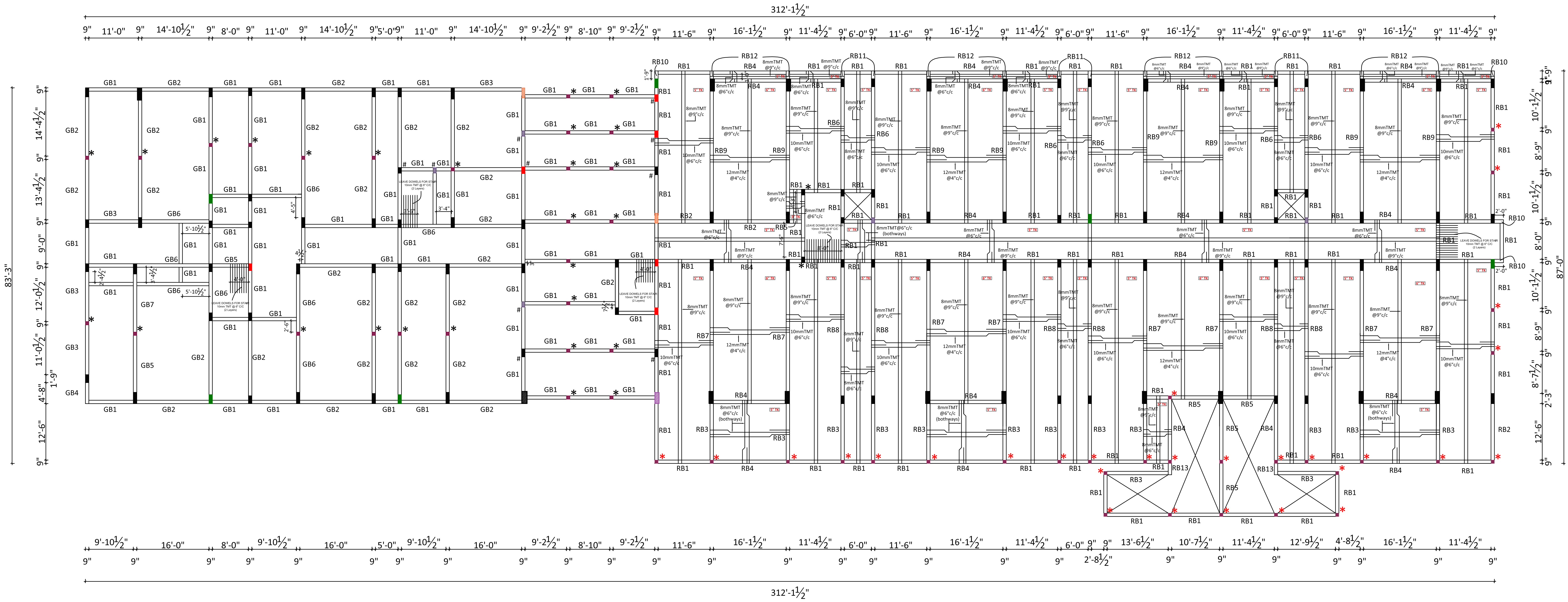
PROPOSED "ORCHID AARNA" RESIDENTIAL APARTMENT @ COIMBATORE

CLIENT NAME :

M/S LUMBODHARA REAL ESTATE, @COIMBATORE.

DATE	REV NO	DESCRIPTION	REV BY	
CONSULTANTS :				
<div>INFINUSTECH</div> <div>13 A, 1ST FLOOR, JAWAHAR NAGAR, RAJA ANNAMALAI ROAD, COIMBATORE - 641 011. Mobile : 98455 33324 Email : infinustech@gmail.com</div>				
DATE	DRAWING NO	DRAWN BY	CHECKED BY	SCALE
03.04.25	-----	BALAJI B	BERLIN	NTS





- NOTES:**
01. ALL DIMENSIONS ARE IN "FEET & INCHES"
UNLESS OTHERWISE SPECIFIED.
 02. ALL LEVELS ARE IN "FEET".
 03. ALL LEVELS ARE FROM FINISHED FLOOR LEVEL(FFL).
 04. CONCRETE : **M20 (1:1½:3)** GRADE FOR BEAM
 05. STEEL : **Fe 500**
 06. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
a) FOR BEAMS - **1" (25 mm)**
 - 07.PROVIDE A LAP LENGTH OF **50 Ø** MINIMUM FOR BEAMS REINFORCEMENTS, WHERE **Ø** IS DIAMETER OF MAIN BARS.
 08. USE **57 Ø** FOR DEVELOPMENT LENGTH.
 09. LEAVE DOWEL RODS BOTH TOP & BOTTOM FOR STAIRCASE.
 10. FOR STAIRCASE DETAILS REFER SEPARATE DRAWINGS.
 11. DRAWING TO BE READ IN CONJUNCTION WITH OTHER RELEVANT PLAN & ELEVATION DRAWINGS.
 - 12.ALL DIMENSIONS & SECTIONS SHOULD BE CHECKED BY THE SITE ENGINEER BEFORE CONSTRUCTION.
 13. **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**

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

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

