

- NOTES :
1. READ THIS DRG. IN CONJUNCTION WITH ARCHITECT'S DRG. , & ANY AMBIGUITY FOUND SHALL BE DISCUSSED WITH OUR OFFICE/ARCHITECT BEFORE EXECUTION.
 2. DIMENSION SHALL NOT BE MEASURED/REFERRED FROM THIS DRAWING.
 3. CONCRETE GRADES :
- | FOOTING | RAFT | RET. WL | COL.\SW. | PLINTH B. | BEAMS | SLABS |
|---------|------|---------|----------|-----------|-------|-------|
| M-- | M-- | M-- | M-- | M-- | M-- | M-- |
4. STEEL GRADE FE 500.
- | YIELD STRENGTH(MIN.) N/mm ² | 415 | 500 | 550 |
|--|------|------|------|
| REQUIRED ACTUAL YIELD STRESS(MIN.) N/mm ² | 498 | 600 | 660 |
| MINIMUM ELONGATION % | 14.5 | 14.5 | 14.5 |
| MAXIMUM RATIO (ULTIMATE STRESS/YIELD STRENGTH) | 1.25 | 1.25 | 1.25 |
| MINIMUM RATIO (ULTIMATE STRESS/YIELD STRENGTH) | 1.15 | 1.15 | 1.15 |
5. S.B.C. OF SOIL IS --- T/m² AS PER SOIL INVESTIGATION REPORT. (TO BE VERIFIED AT SITE)
6. NOMINAL COVER TO MEET 2 HRS PERIOD OF FIRE RESISTANCE (MODERATE)
- | FOOTING | RAFT | RET. WL | COLUMN | LIFT PARDI | BEAMS | SLABS |
|---------|------|---------|--------|------------|-------|-------|
| 50 | 50 | 30 | 40 | 30 | 30 | 25 |
7. WE SHALL NOT REMAIN RESPONSIBLE FOR - CONCRETE MIX, QUALITY, SHUTTERING, CURING, CONSTRUCTION MATERIAL, WORKMANSHIP, FAULTY CONSTRUCTION PROCEDURE & SAFETY OF ADJOINING STRUCTURE & THE SAFETY OF LABOUR OR ANY ACCIDENT.
8. WHERE DEPTH OF BEAM EXCEEDS 750MM, FACE BARS TO BE PROVIDED ALONG THE TWO FACES OF BEAM & SHALL BE CONFIRMED FROM OUR OFFICE.
9. IF FOOTINGS COMBINE, DETAILS SHALL BE CONFIRMED FROM OUR OFFICE.
10. EXTRA TOP BARS OVER SUPPORT FOR CANTILEVER LENGTH SHALL BE DOUBLE THE LENGTH OF CANTILEVER + 230 OR CANTILEVER LENGTH + 50X + 230 WHICHEVER IS GREATER.
11. FOR BEAMS TOP & BOTTOM BARS TO BE ANCHORED IN END.
12. LEAVE DOWELS FROM BEAM BOTTOM FOR LOFT AND CHAJJA IF ANY
13. DESHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:
- A) VERTICAL FACES OF COLUMN, BEAMS, & WALL- 16-24 HRS.
- B) SLABS
- I) SPANNING UP-TO 4.5M. - 10 DAYS
- II) SPANNING OVER 4.5M. - 14 DAYS
- C) BEAMS
- I) SPANNING UP-TO 6.0M. - 14 DAYS + PROPS BELOW.
- II) SPANNING OVER 6.0M. - 21 DAYS + PROPS BELOW.
- D) CANTILEVER BEAMS - 28 DAYS
14. LAP LENGTH FOR FE500: (d = BAR DIA.)
- | GRADE--> | M25 | M30 | M35 | M40 | M50 | M60 |
|-------------|-----|-----|-----|-----|-----|-----|
| BEAM | 50d | 50d | 40d | 40d | 40d | 40d |
| COLUMN/WALL | 40d | 40d | 36d | 36d | 36d | 36d |
- * ALL LAPS SHOULD BE STAGGERED & COLUMN LAPS TO BE AT MID-HEIGHT OF FLOOR
15. LEGEND
- HT - TOR STEEL, Ø - MILD STEEL, S.S. - SHORT SPAN, L.S. - LONG SPAN,
A.B.BENT-ALTERNATE BARS BENT UP, RW-RETAINING WALL, PB-PLINTH BEAMS,
SW-SHEAR WALL
16. HB- HIDDEN BEAM TO BE LAID AFTER SLAB IS FITTED.
17. NO SLEEVES/MEP GROOVES SHALL BE PROVIDED IN BOUNDARY ELEMENT OF SHEAR WALL.
18. SLEEVES IN BEAMS CAN BE PROVIDED AT MID HEIGHT OF BEAM AND TO BE PROVIDED IN L/5 TO L/4 ZONE(IN CO-ORDINATION WITH OUR OFFICE).
19. ALL COLUMNS/SHEAR WALL/SLAB / BEAMS ARE DESIGNED FOR LIGHT WEIGHT BLOCK WORK LOADING WITH MAXIMUM DENSITY NOT MORE THAN 8.5 kN/m³.



KEY ELEVATION

R2				
R1				
NO	DESCRIPTION	BY	CHK	DATE
	GANESH	AAKASH	KIRAN	09-11-2022
	DRAWN BY	DESIGNED BY	CHECKED BY	DATE

CLIENT :	M3M INDIA PVT. LTD.		
ARCHITECT :	GIAN.P.MATHUR & ASSO. PVT. LTD.		
PROJECT :	PROPOSED COMMERCIAL COMPLEX AT SECTOR 25 - GURUGRAM.		
TITLE :	GROUND FLOOR LAYOUT		
DRAWING NUMBER:	REVISION		
11926-4001-GF	R0		
DRAWING STATUS:			
FOR APPROVAL			



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GROUND FLOOR SLAB BEAM LAYOUT
(SECTOR-25)

- LEGENDS
- STRUCTURAL WALL SYSTEM
- COLUMN
 - FLOATING COLUMN
 - STOP COLUMN
 - RETAINING WALL
 - NON STRUCTURAL WALL
 - SHEAR WALL

ALL BEAM DIMENSIONS IN
ORDER DEPTH(D) X WIDTH(B)