

NOTE:-

1. Read this drawing along with architectural & structural drawings.
2. Do not scale, follow written dimensions only. All dimension are in foot unless otherwise noted.
3. All dimensions & levels shall be checked & co-related with relevant architectural & structural drawing & in case of any ambiguity the matter shall be brought to the notice of the consultant before starting the work.
4. Grade of concrete shall be **M-20** & shall be conforming to IS: 456 - 2000.
5. Reinforcement steel shall be High Strength Deformed TMT bars as per IS: 1786 - 1985 and having a minimum yield strength of **500 N/mm<sup>2</sup>** and having elongation more than 14.5%.
6. Clear cover to main reinforcement shall be 50 mm for footing, 40 mm for column, 25 mm for Beam and 20 mm for slab. Side cover of footing shall be 75mm.
7. Not more than 50% of bars shall be lapped at any section.
8. Lap length shall be equal to  $L_d = 57$  times smaller Dia of bars and shall be avoided in following cases - Top bars - near support, Bottom bars - near midspan.
9. Wherever necessary chairs shall be provided to support the top reinforcement in position.
10. All concrete shall be machine mixed and machine vibrated.
11. Sufficient concrete cube test and steel yield strength test is to be performed for different batches & report shall be submitted to proper authority.
12. Use 10% extra cement in concrete for casting under the water table.
13. Bearing Capacity of the soil is below Ground level as per given by client.
14. Foundation has been designed for **(G + 2)** structure only
15.  $L_d$  means 57 times of dia of bars.
16. Structure is designed for earthquake zone IV
17. For any ambiguity, discrepancy, deficient provision (if any felt necessary) etc must be brought to the notice of consultant/design office for clarification and work must be carried out after obtaining approval from competent authority.

KHATA NO:-75  
 PLOT NO:-476  
 AREA:-3 DECIMAL  
 THANA:-116

CLIENT:-MUKESH KUMAR PRASAD SURESH KUMAR

NAME OF PROJECT :- COMMERCIAL BUILDING

TITLE :- DRAWING

SHEET NO :-01 | SIMDEGA

**SIDE ELEVATION**

**FRONT ELEVATION**

**DETAIL OF SEPTIC TANK & SOAKPIT**  
SCALE - 1/20

**SPECIFICATIONS**

1. BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF FIRST CLASS BRICK IN CEMENT MORTAR 1:6 AND HALF BRICK WILL BE 1:4 CEMENT MORTAR
2. MASONRY FOUNDATION WITH ISOLATED R.C.C COLUMN SHALL BE PROVIDED
3. CURTAIN GLAZING/ STRUCTURAL GLAZING OF GOOD QUALITY AND MARK VENTILATOR SYSTEM SHALL BE USED
4. ROLLING SHUTTER SHALL BE USED FOR SHOPS OPENINGS
5. M.S GLAZED/ANODIZED ALUMINIUM/NCCL SECCOLOR WINDOW AND R.C.C WITH CEMENT MORTAR 1:4
6. ALL R.C.C WORKS SHALL BE DONE IN 1:1.5:3 (M20) MIX CONCRETE TMT STEEL BARS OF 500 SHALL BE USED IN R.C.C STRUCTURES
7. ALL MASONRY SURFACE SHALL BE PLASTERED WITH CEMENT MORTAR 1:6 OVER R.C.C SLAB / P.C.C
8. ALL STEEL AND WOOD WORK SHALL BE PAINTED WITH SYNTHETIC PAINT
9. ALL SANITARY AND ELECTRICAL FITTINGS SHALL BE OF STANDARD MARK AND WORKMANSHIP
10. MARBLE STONE / MOSAIC FLOORING INCLUDING STAIRCASE SHALL BE USED

SCHEDULE OF OPENINGS		
SL.NO.	SIZE	DESCRIPTION
1.	D	1.1X2.10 Sal wood chauthat & Gamhar wood shutter
2.	D1	.90X2.10 Sal wood chauthat & Gamhar wood shutter
3.	D2	.75X2.10 Sal wood chauthat & Gamhar wood shutter
4.	W	1.50X1.20 Fully glazed window
5.	W1	1.20X1.20 Fully glazed window
6.	W2	.90X1.20 Fully glazed window
7.	V	.60X.60 CEILING VANTILDR
8.	C.G	2.10X2.10

  

SCHEDULE OF AREA	
1. TOTAL PLOT AREA AS PER SITE	: 121.61 SQM
2. PROPOSED AREA AT GROUND FLOOR	: 47.71 SQM
3. TOTAL BUILD UP AREA	: 47.71 SQM
4. COVERED AREA	: $\frac{47.71 \times 100}{121.61} = 39.23\%$

PROPOSED COMMERCIAL BUILDING FOR  
 SMT - MUKESH KUMAR PRASAD, SURESH KUMAR  
 S/D - LATE SHIV PRASAD  
 KHATA NO - 75, PLOT NO - 476.  
 RAKWA - 3.00 DISMIL.  
 THANA NO - 116.  
 MOHALLA - NICHE BAZAR  
 MAUZA - GOCHOTOLI.  
 DISTT. - SIMDEGA (JHARKHAND)

**R.S CONSULTANT**  
 SONAR TOLI, NEAR SAMLESHWARI TVS  
 MAIN ROAD SIMDEGA, JHARKHAND  
 MOBILE - 7008039097

SCALE - 1:100	SH.NO.	
AS MENTIONED	1/1	
SIGNATURE OF I.C. ENGINEER NAGAR PARSHAD SIMDEGA		SIGNATURE OF OWNER

**SECTION AT: Y-Y'**      **SECTION AT: X-X'**

**PLAN OF SEWERAGE WATER RECOMMENDATION**

**DETAIL OF FOUNDATION**  
SCALE - 1/20

**PLAN OF MAIN ROAD & PLOT**