



**TYP DETAIL OF FOOTING**

**SECTION XX**

**PLAN**

**SECTION**

F.A.R AND COVERED AREA CALCULATION														
SL.NO.	FLOOR	PLINTH AREA	PROJECTION			TOTAL COVERED AREA	DEDUCTION					TOTAL	NET COVERED FOR F.A.R. CALCULATION AREA	REMARKS
			BALCONY	C.B	PROJ BEYOND PERMISSIBLE LIMIT		LIFT WELL	FIRE STAIR	DUCTS	VOID	OTHER IT PERMISSIBLE (PARKING)			
1	2													
2	GROUND	278.29				278.29	5.48	18.20	3.15			24.84	251.45	
3	1ST	278.29	0.00	0.00	278.29	5.48	18.20	3.15			24.84	251.45		
4	2ND	278.29	0.00	0.00	278.29	5.48	18.20	3.15			24.84	251.45		
5	3RD	278.29	0.00	0.00	278.29	5.48	18.20	3.15			24.84	251.45		
6	<b>TOTAL</b>	<b>1105.16</b>	<b>0.00</b>	<b>0.00</b>	<b>1105.16</b>	<b>21.96</b>	<b>64.8</b>	<b>12.6</b>	<b>0</b>	<b>0</b>	<b>97.56</b>	<b>1007.60</b>		
1	<b>TOTAL PLOT AREA</b>	<b>173.71</b>												
2	<b>ROAD WIDENING AREA</b>	<b>1005.63</b>												
3	<b>NET COVERED AREA</b>	<b>718</b>												
4	<b>ACHIEVED F.A.R.</b>	<b>4.13</b>												
5	<b>ACHIEVED GROUND COVERAGE</b>	<b>41.3%</b>												

**RAIN WATER HARVESTING UNIT**

**DOOR/WINDOW SCHEDULE**

S.No.	Type	Width	Height	Material	Description
1	D	1050	2100	UPVC	Single window flush door
2	DI	1050	2100	UPVC	Single window flush door
3	DI	900	2100	UPVC	Single window flush door
4	DI	750	2100	UPVC	Single window flush door
5	W	2400	1200	UPVC	Flush window with grill
6	W	1800	1200	UPVC	Flush window with grill
7	W	1200	1200	UPVC	Flush window with grill
8	W	1050	1200	UPVC	Flush window with grill
9	W	1500	1200	UPVC	Flush window with grill
10	W	1200	1200	UPVC	Flush window with grill
11	W	900	1200	UPVC	Flush window with grill
12					
13	V	600	600	UPVC	Ventilator
14	V	375	600	UPVC	Ventilator

**FRONT ELEVATION (SOUTH)**

**WEST SIDE ELEVATION**

**SECTION-X-X'**

**SECTION-Y-Y'**

**GROUND FLOOR PLAN**

**FIRST FLOOR PLAN**

**2ND & 3RD FLOOR PLAN**

**TERRACE PLAN**

NOTE: ALL DIMENSION ARE IN MILLIMETERS

**SPECIFICATIONS**

- FOUNDATION - R.C.C. FRAME STRUCTURE
- WALLS - 1st CLASS BRICK WORK IN RED BRICK IN CEMENT MORTAR 1:6
- ALL ROOF WORK IN MOD GRADE CONCRETE & F4 500 GRADE STEEL
- FLOORING - VITRIFIED CERAMIC TILES
- R.C.C. ROOF SLAB 100MM THK IN M20
- STAR WAST SLAB 100MM THK, STEPS 300 X 150.
- CHALK JAMB THK 8.8 IN R.C.C. M20
- PLASTER OUTER 25MM-1:6 INSIDE 12MM-1:6
- CEILING 8MM-1:6
- WOOD WORK 32 MM THK FLUSH DOORS, WINDOWS IN STEEL GLAZED ALUMINIUM GLAZED AS PER DESIGN

**DOOR/WINDOW SCHEDULE**

**PARKING CALCULATIONS (commercial)**

TOTAL BUILT UP AREA (including parking and services area) = 570 SQM.  
 PARKING REQUIRED @ 50 SQM = 11.4 E.C.S.  
 CAR PARKING REQUIRED @ 2/3 AREA OF CAR PARKING AREA = 7.59 CAR  
 PARKING AREA REQUIRED @ 1.2 SQM PER E.C.S.  
 TWO WHEELER PARKING REQUIRED @ 1/3 AREA OF CAR PARKING AREA  
 TWO WHEELER PARKING REQUIRED 31.62 SQM.  
 TWO WHEELER REQUIRED @ 2.5 SQM = 15.81 = 16 E.C.S.

**PARKING CALCULATIONS (RESIDENTIAL)**

TOTAL NO OF FLATS = 2  
 TOTAL PARKING AREA REQUIRED = 2 CARS SPACES  
 10% VISITORS PARKING = 2.2 CARS REQUIRED  
 TOTAL CARS REQUIRED = 2.2 + 7.59 = 9.79 = 10 CARS  
 TWO WHEELER PARKING REQUIRED = 2 TWO WHEELERS

**WATER TANK CALCULATIONS (COMMERCIAL)**

TOTAL BUILT UP AREA = 570 SQM.  
 50% OF BUILT UP AREA = 285 SQM.  
 ASSUMING 50% AREA FOR FURNITURE = 142.5 SQM.  
 TOTAL NO. OF PERSONS @ 5 SQM PERSON = 29 + 10 PERSONS  
 WATER REQUIRED @ 45 LPCD = 9845 = 1755 L.  
 VOLUME REQUIRED = 3 CU.M.  
 SIZE = 3.6 X 4.5 X 24.3 CU.M.

**SEPTIC TANK CALCULATIONS (COMMERCIAL)**

TOTAL NO. OF PERSONS ALL FLOORS = 39 PERSONS  
 VOLUME OF WATER REQUIRED @ 45 L.P.C.D. = 45 X 39 = 1755 LIT.  
 80% OF THIS WATER SUPPLY V = 1404 LIT.  
 SOLID WASTE @ 30 LIT. PER CAPITA PER YEAR = 30 X 39 = 1170 LIT.  
 TOTAL VOLUME = 1.9 CU.M.

**SCALE** 1:100 **DRG. NO.**

SIGNATURE OF ARCHITECT \_\_\_\_\_ SIGNATURE OF OWNER \_\_\_\_\_  
 PROPOSED RESIDENTIAL BUILDING FOR (1) SRI VIDYA BINOD PRASAD S/O \_\_\_\_\_  
 P.S. PLOT NO-292 & B.C.292 @ KHATA \_\_\_\_\_  
 VILLAGE-LOHARDAGA, THANA-LOHARDAGA, THANA NO. 194,  
 DISTRICT-LOHARDAGA, (JHARKHAND)