

Project Title :SRI BIKRAM SINGH.

AREA STATEMENT OF PROPOSED BUILDING FORM - C

No. of floors	Area within Area in projection (with area) permissible within setback					Area in projection beyond plain setback					TOTAL covered Area	Net Area for F.A.R.	Occupancy of Use Proposed			
	1	2	3	4	5	6	7	8	9	10				11	12	13
Basement Floor	187.96	-	-	-	-	187.96	-	-	-	-	-	164.92	# 7.08	15.96	Parking # Ramp	
Ground Floor	179.43	-	-	-	-	179.43	2.55	-	-	-	-	*12.47	15.02	164.41	Commercial Common Table	
First Floor	182.96	-	-	-	-	182.96	2.55	-	-	-	-	-	2.55	180.41	Residential	
2nd Floor	182.96	-	-	-	-	182.96	2.55	-	-	-	-	-	2.55	180.41	Residential	
TOTAL	733.31	-	-	-	-	733.31	7.65	-	-	-	-	164.92	19.55	192.12	541.19	

Plot Area = 301.11 Sq. Mt.
Area for ground Coverage = 179.43 Sq. Mt.
179.43 X 100 / 301.11 = 59.58 %
% of ground Coverage = 59.58%

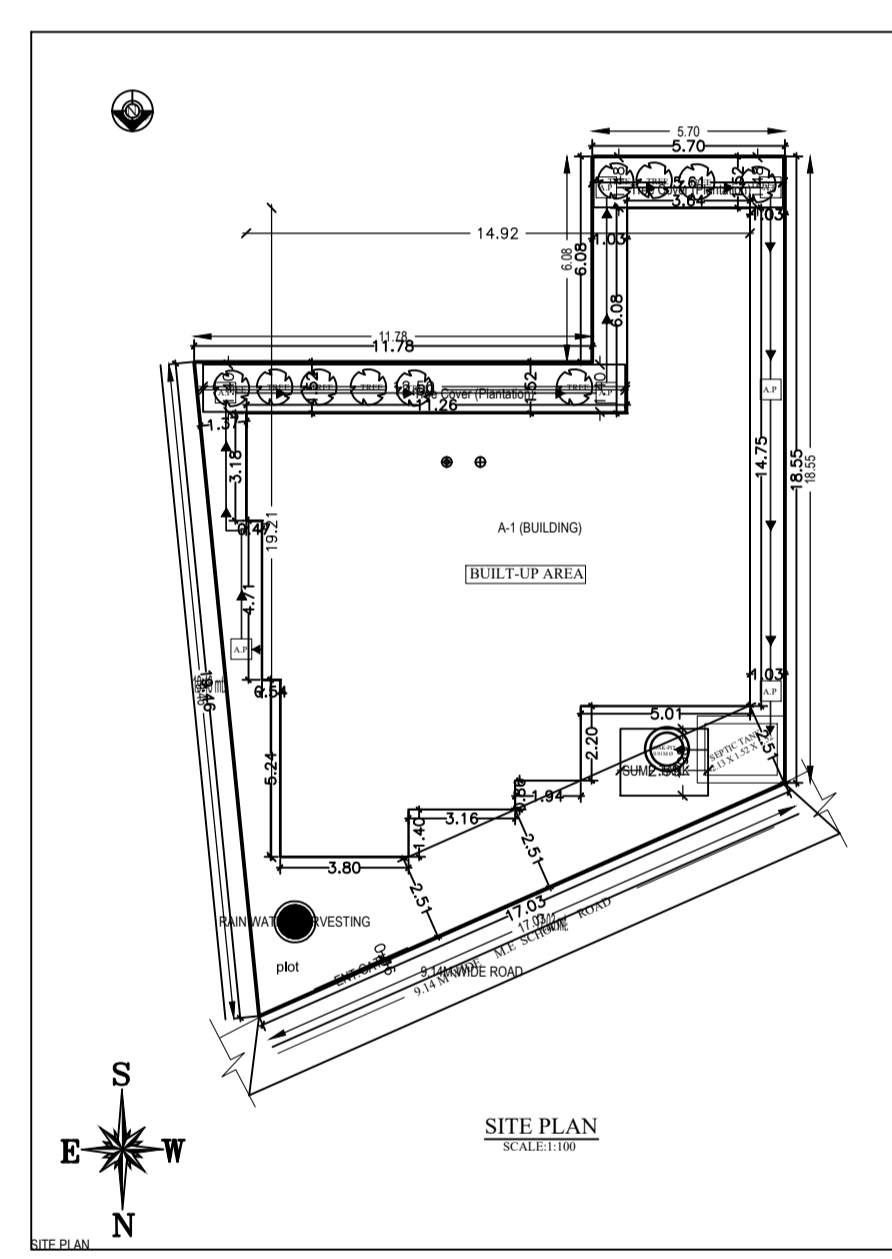
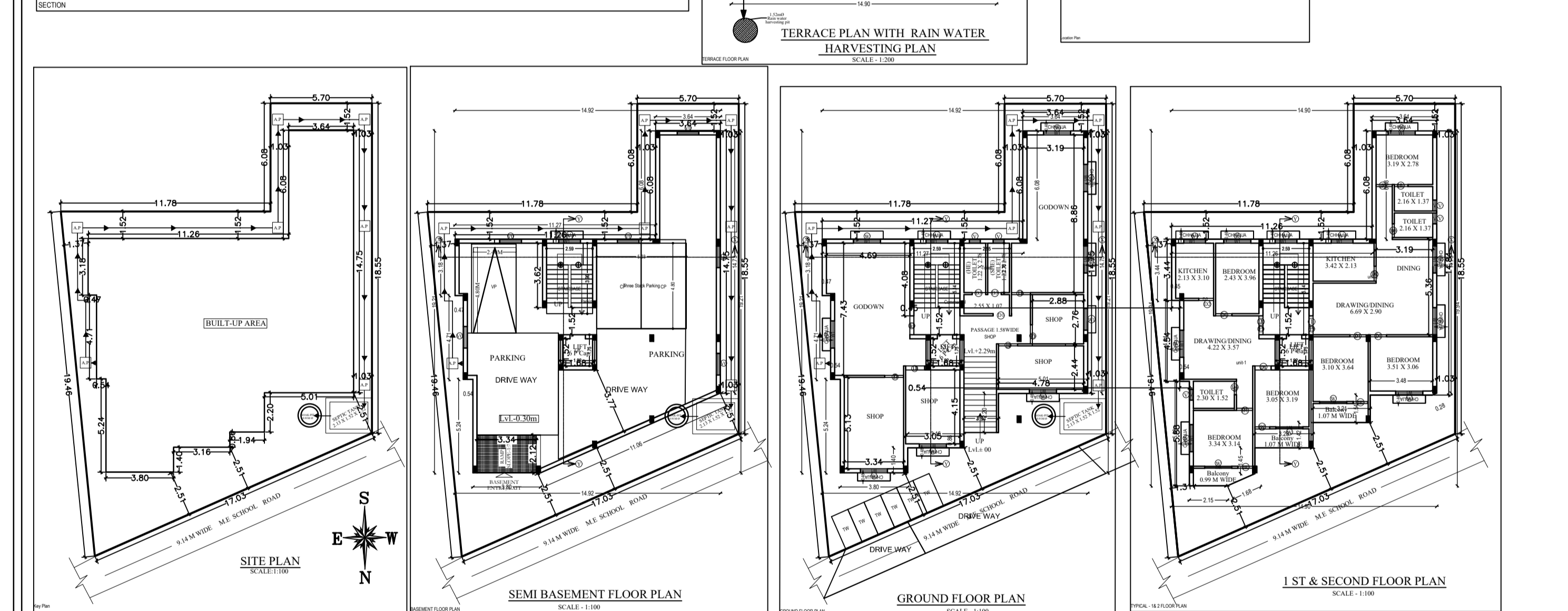
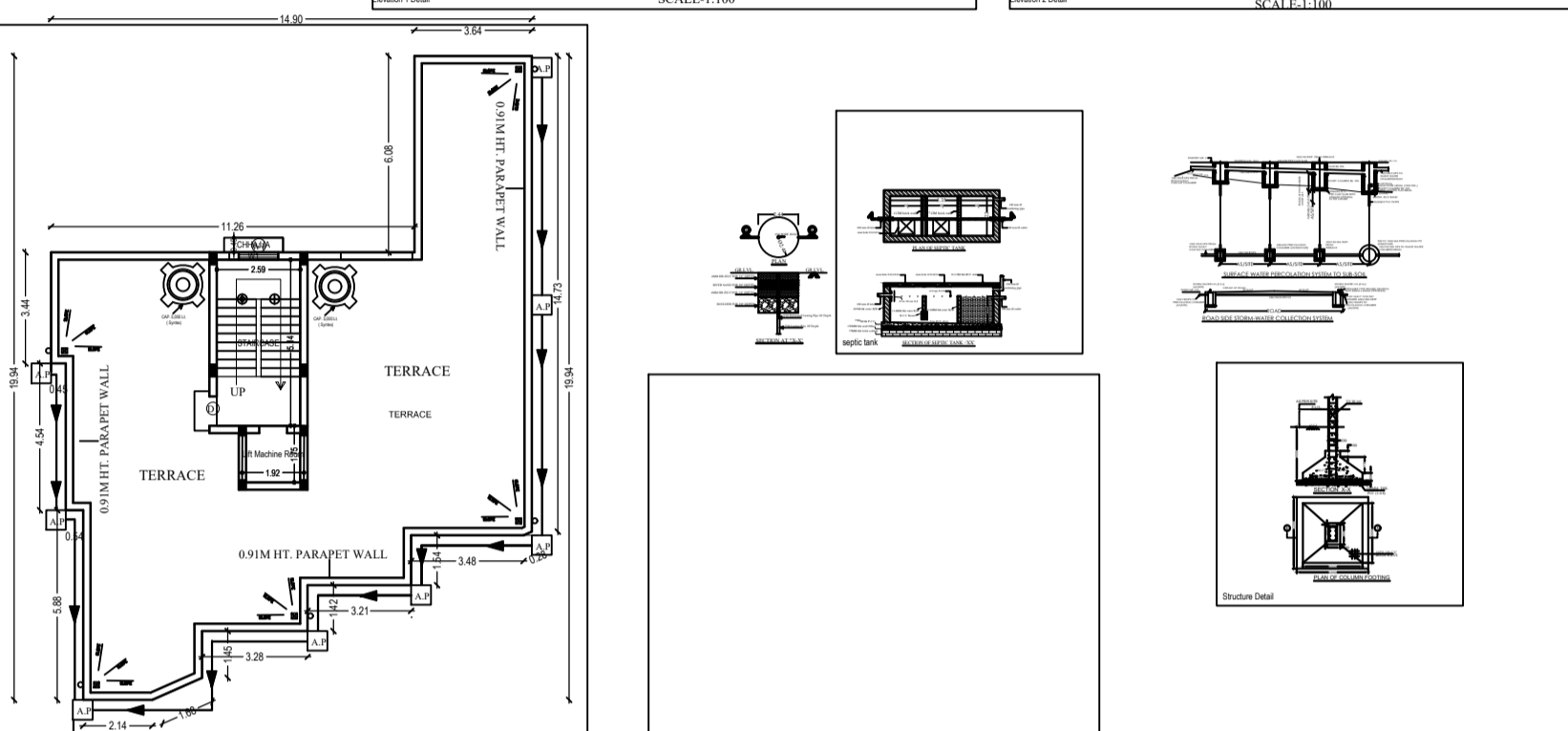
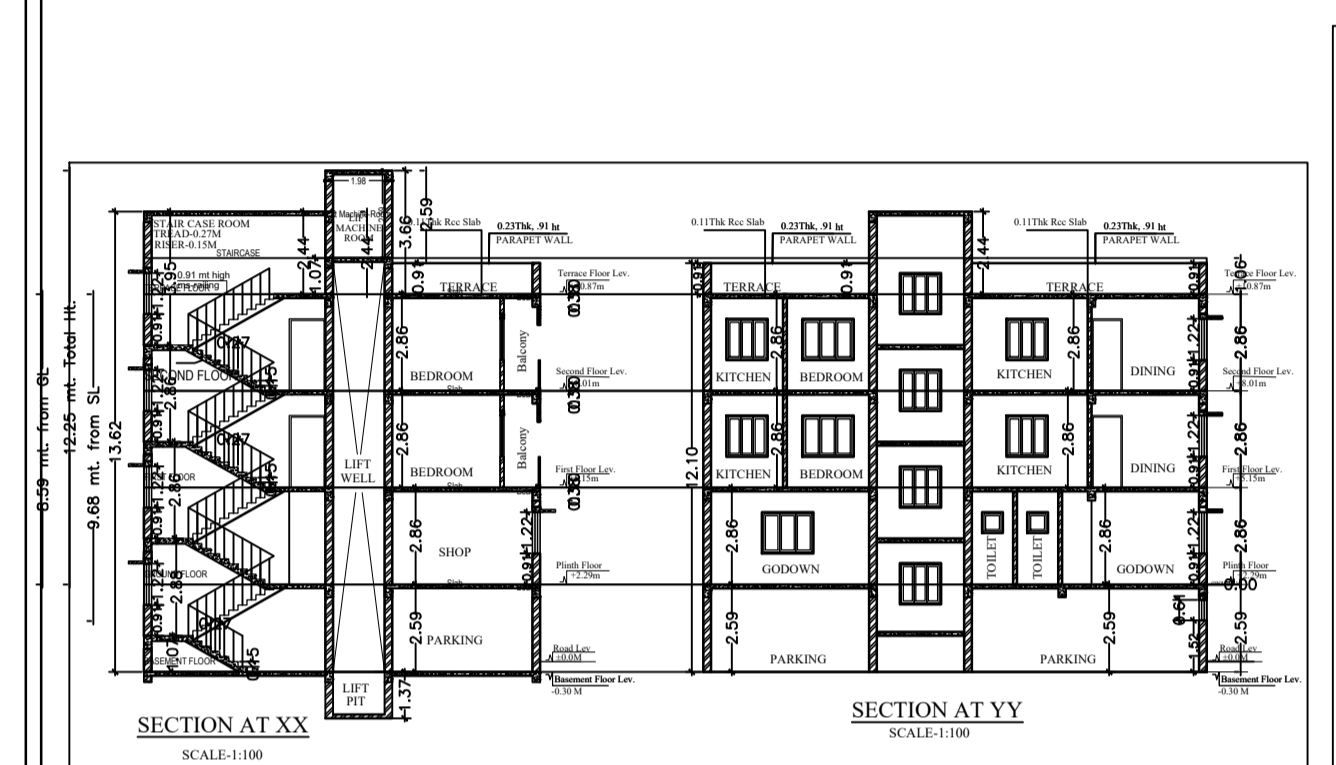
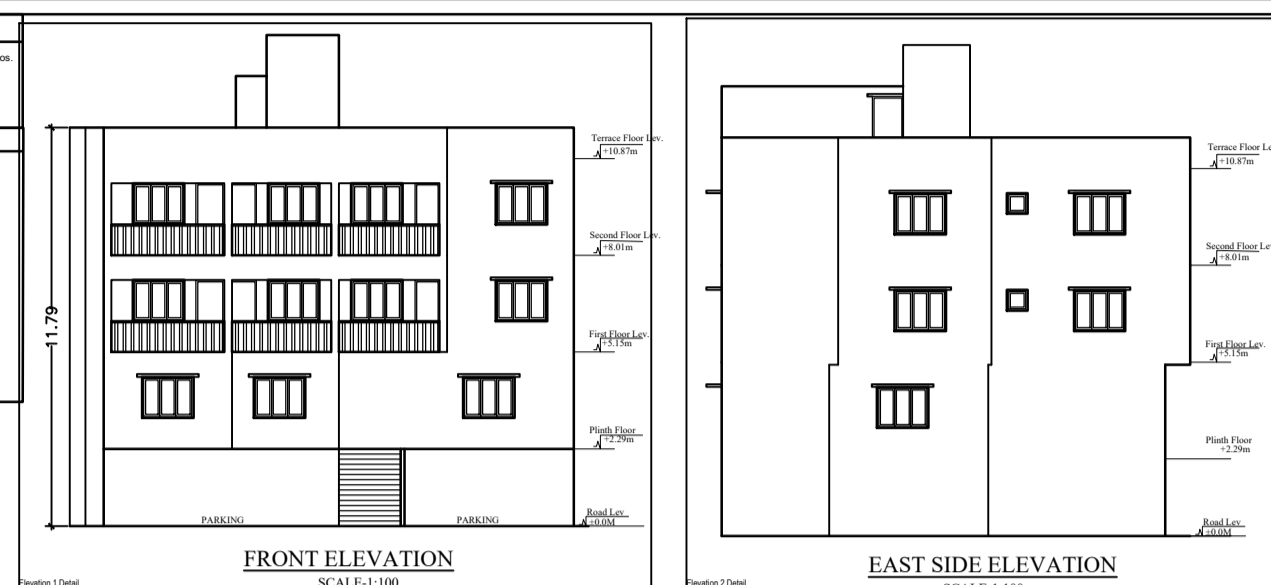
F.A.R. = $\frac{541.19}{301.11} = 1.79$
F.A.R. = 1.79

SEPTIC TANK CALCULATION

TOTAL NO. OF PERSONS IN COMMERCIAL & RESIDENTIAL FLOOR = 45 Nos.
SEPTIC TANK CAPACITY FOR 45 PERSONS = 45 X 100 = 4500 LITERS
VOLUME OF SEPTIC TANK PROVIDED = 45 X 100 = 4500 LITERS
SEPTIC TANK PROVIDED IS 45 X 100 = 4500 LITERS

CALCULATION FOR WATER TANK

SUBSIDIARIAL: ASSUME 3 PERSONS IN EACH FLAT
TOTAL NO. OF FLATS = 10 (10 X 10 = 100 Sq. Ft.)
TOTAL NO. OF PERSONS = 4 X 3 PERSON = 20 PERSONS
RESIDENTIAL: ASSUME 20 PERSONS EACH FLOOR
TOTAL NO. OF PERSONS = 20 PERSONS
TOTAL NO. OF PERSONS IN COMMERCIAL & RESIDENTIAL = 45 PERSONS + 20 PERSONS = 65 PERSONS
ASSUME 10% EXTRA
REQUIREMENT OF WATER FOR 65 PERSONS = 65 X 100 = 6500 LITERS
RESIDENTIAL: ASSUME 20 PERSONS IN COMMERCIAL & RESIDENTIAL = 45 PERSONS + 20 PERSONS = 65 PERSONS
REQUIREMENT OF WATER FOR 65 PERSONS = 65 X 100 = 6500 LITERS
ASSUME 10% EXTRA
RESIDENTIAL: ASSUME 20 PERSONS IN COMMERCIAL & RESIDENTIAL = 45 PERSONS + 20 PERSONS = 65 PERSONS
REQUIREMENT OF WATER FOR 65 PERSONS = 65 X 100 = 6500 LITERS
ASSUME 10% EXTRA



GENERAL SPECIFICATION:-

FOUNDATION	1.15m Concrete Column for 1st floor
ROOF STRUCTURE	R.C.C. Slab with 120mm concrete thickness
WALL	230mm Brick Masonry with 12mm plaster on both sides
FLOOR	1.25m concrete for 1st floor, 100mm concrete for other floors
INTERNAL FINISH	White Washing, Grey Cement Plaster
WATER	1.5m Dia. Water Pipe for 1st floor, 1.25m Dia. for other floors
WIND	1.5m Dia. Wind Pipe for 1st floor, 1.25m Dia. for other floors
DOORS & WINDOWS	1.5m Dia. Door, 1.25m Dia. Window
ELECTRICAL	1.5m Dia. Cable Tray, 1.25m Dia. Conduit

SCHEDULE OF DOORS & WINDOWS

SL. NO.	NAME	SIZE	DESCRIPTION
01	D	1.07M X 2.13M	Paneled Single Shutter door.
02	D1	0.91M X 2.13M	Paneled Single Shutter door.
03	D2	0.84M X 2.13M	Paneled Single Shutter door.
04	D3	0.76M X 2.13M	Paneled Single Shutter door.
05	W	1.52M X 1.22M	Glazed Steel Frame Window 3. Shutter.
06	W1	1.22M X 1.22M	Glazed Steel Frame Window 3. Shutter.
07	V	0.61M X 0.61M	Top Lung Steel Ventilator.

PROPOSED BUILDING FOR:-

01. SRI BIKRAM SINGH
S/O- LATE RAJ NARAYAN SINGH

02. MRS SHARDA SINGH
W/O- MR. BIKRAM SINGH

PLOT NO.- 51(a,b,c,d) 52(c,d)
KHATA NO.- 158
P.S.- GHATSIOLA
WARD NO.- 3
TOWN- JAMSHEDPUR,
DIST.- EAST SINGHBHUM,
STATE.- JHARKHAND

SIGNATURE OF OWNER

SIGNATURE OF ENGINEER

SITE PLAN, FLOOR PLANS, ELEVATIONS (2-mos.),
SECTIONS (2-mos.), AREA CALCULATION,
LOCATION
PLAN, DRAINAGE PLAN, FOOTING DETAILS,
WATER TANK & SEPTIC TANK CALCULATION.

SHEET NO. - 01 OF 01

JUGALAI MUNICIPALITY APPROVED

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Excavation	Sq. Mtr.	100	100	10000
2	Concrete	Cum.	50	100	5000
3	Brickwork	Sq. Mtr.	200	100	20000
4	Plaster	Sq. Mtr.	100	100	10000
5	Paint	Sq. Mtr.	100	100	10000
6	Roofing	Sq. Mtr.	100	100	10000
7	Water Tank	Sq. Mtr.	100	100	10000
8	Septic Tank	Sq. Mtr.	100	100	10000
9	Drainage	Sq. Mtr.	100	100	10000
10	Electrical	Sq. Mtr.	100	100	10000
11	Water Supply	Sq. Mtr.	100	100	10000
12	Waste Disposal	Sq. Mtr.	100	100	10000
13	Landscaping	Sq. Mtr.	100	100	10000
14	Site Work	Sq. Mtr.	100	100	10000
15	Other	Sq. Mtr.	100	100	10000
TOTAL					100000

Building A (BUILDING)

Floor	Area	Volume	Weight	Center of Gravity	Stiffness	Displacement	Base Shear	overturning Moment
Basement	187.96	187.96	187.96	0.5	1000	0.05	1000	10000
Ground	179.43	179.43	179.43	1.5	1000	0.1	1000	10000
1st	182.96	182.96	182.96	2.5	1000	0.15	1000	10000
2nd	182.96	182.96	182.96	3.5	1000	0.2	1000	10000
TOTAL	733.31	733.31	733.31	2.0	4000	0.3	4000	40000

SCHEDULE OF JOINTS

Floor	Area	Volume	Weight	Center of Gravity	Stiffness	Displacement	Base Shear	overturning Moment
Basement	187.96	187.96	187.96	0.5	1000	0.05	1000	10000
Ground	179.43	179.43	179.43	1.5	1000	0.1	1000	10000
1st	182.96	182.96	182.96	2.5	1000	0.15	1000	10000
2nd	182.96	182.96	182.96	3.5	1000	0.2	1000	10000
TOTAL	733.31	733.31	733.31	2.0	4000	0.3	4000	40000

UNIFORM Table to Building A (BUILDING)

Floor	Area	Volume	Weight	Center of Gravity	Stiffness	Displacement	Base Shear	overturning Moment
Basement	187.96	187.96	187.96	0.5	1000	0.05	1000	10000
Ground	179.43	179.43	179.43	1.5	1000	0.1	1000	10000
1st	182.96	182.96	182.96	2.5	1000	0.15	1000	10000
2nd	182.96	182.96	182.96	3.5	1000	0.2	1000	10000
TOTAL	733.31	733.31	733.31	2.0	4000	0.3	4000	40000