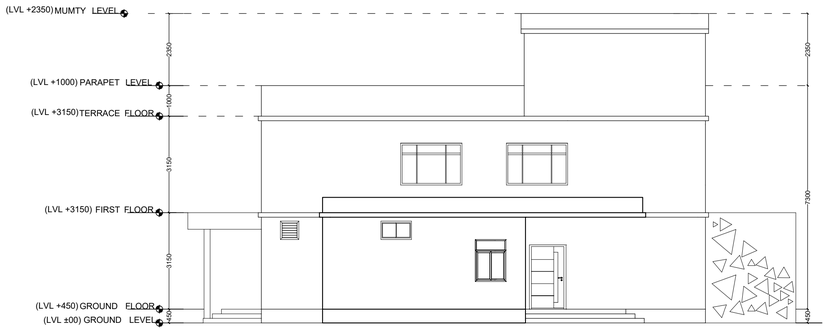
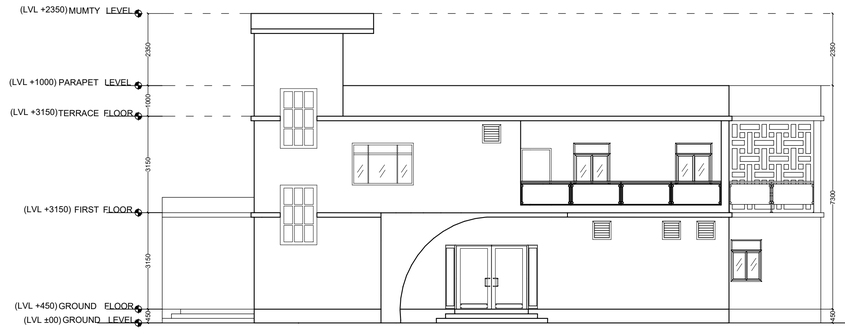
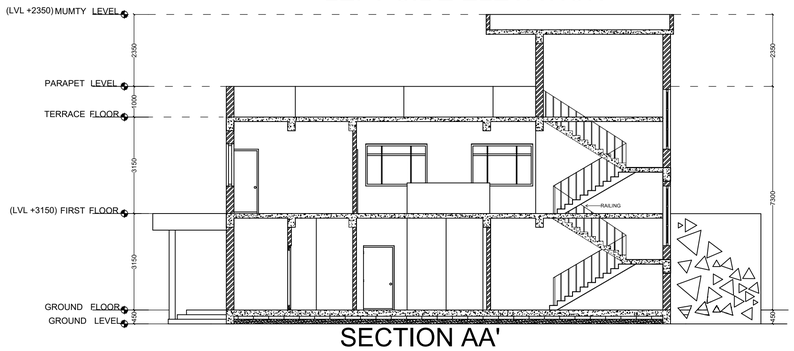


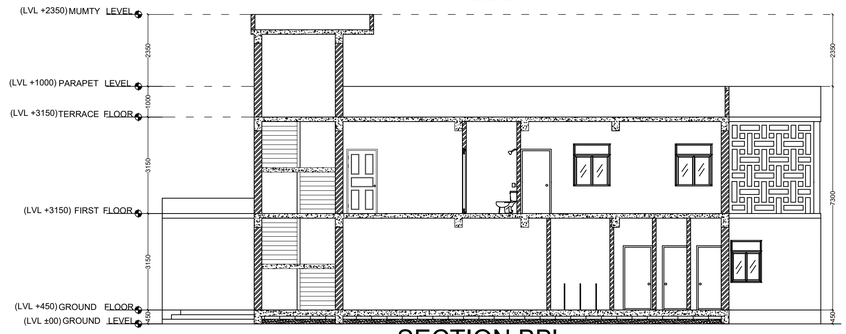
LEFT SIDE ELEVATION



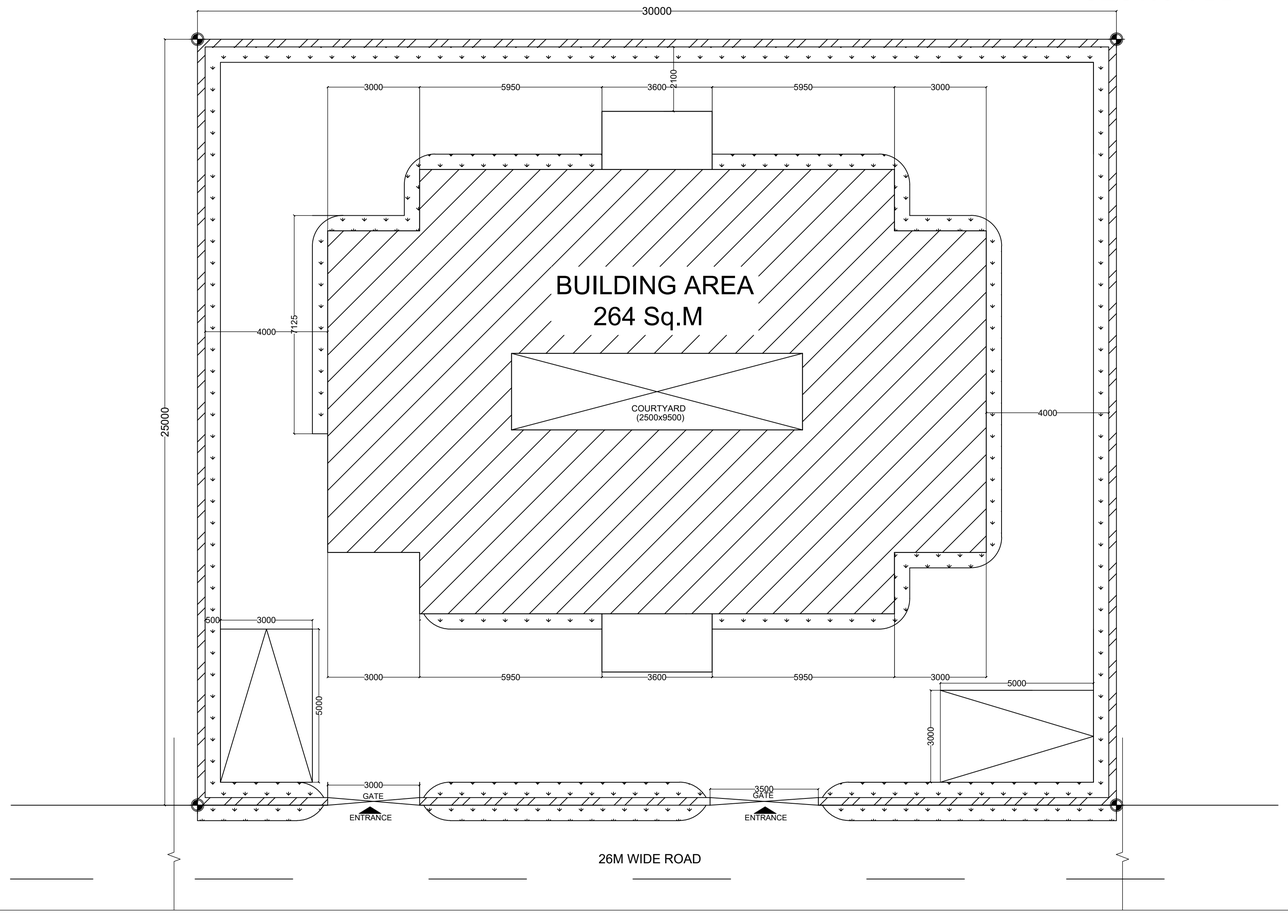
FRONT ELEVATION



SECTION AA'



SECTION BB'



OCCUPANT LOAD RESIDENTIAL

NO . OF RESIDENTIAL FLOOR =1
NO. OF OFFICE FLOOR = 2
TOTAL NO OF PERSON = 27+6= 33
NUMBER OF PERSON = 33

PARKING CALCULATION (RESIDENTIAL)

RESIDENTIAL CAR PARKING 25% OF TOTAL BUILT UP AREA
690.26 X 25% = 172.56 SQM. REQUIRED
COVERED PARKING = 172.56 SQM.
AREA PROVIDED FOR RESIDENTIAL PARKING = 88.58 SQM. (COVERED) PROVIDED

WATER TANK REQUIREMENT (RESIDENTIAL)

135LTRS./PERSON/DAY WATER TANK CAPACITY
135X33=4455 LTRS = 4.45 CUM
10000 LTRS REQ FOR FIRE FIGHTING = 10 CUM
TOTAL= 4.45+10= 14.45 (REQ)
WATER TANK SIZE PROVIDED
5.48 X 3.23 X 1.4 = 24.78 CUM

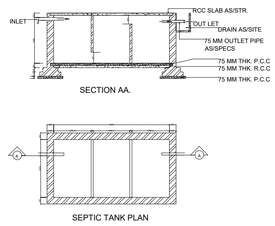
SEPTIC TANK REQUIREMENT (RESIDENTIAL)

0.087 CUM / PERSON / DAY
SEPTIC TANK CAPACITY
0.087X33 = 2.87 CUM (REQUIRED)
4.0X 2.0 X 1.5 = 12 CUM (PROVIDED)

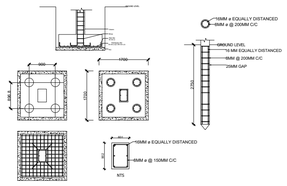
WATER HARVESTING SUMP CALCULATION

TERRACE FLOOR AREA = 355.92 SQM.
RAIN WATER HARVESTING SUMP REQUIRED 6 CUM FOR EVERY100 SQM. TERRACE AREA.
REQ. CAPACITY OF SUMP= 355.92/100X6=21.35
PROVIDED SUMP SIZE 4.0 X 3.0 X 1.0 = 12 CUM

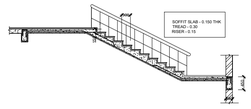
SEPTIC TANK DETAIL



FOOTING DETAIL PILING DETAIL



STAIR DETAIL



SCHEDULE OF DOORS & WINDOWS

S.NO	TYPE	WIDTH	CILL	HEIGHT	DESCRIPTION
01	D1	1000	0.0	2100	SINGLE LEAF DOOR
02	D2	800	0.0	2100	SINGLE LEAF DOOR
03	D3	1500	0.0	2100	DOUBLE LEAF DOOR
04	D4	1200	0.0	2100	SINGLE LEAF DOOR
05	D5	1750	0.0	2100	DOUBLE LEAF DOOR
06	D6	700	0.0	2100	SINGLE LEAF DOOR
07	W1	1200	900	1350	DOUBLE SLIDER FULLY GLAZED WINDOW
08	W2	1000	900	1350	DOUBLE SLIDER FULLY GLAZED WINDOW
09	W3	2000	900	1350	TRIPLE FULLY GLAZED WINDOW
10	W4	1200	2100	1950	TRIPLE FULLY GLAZED WINDOW

AREA CALCULATION :-

TOTAL PLOT AREA = 755.68
F.A.R.=Net covered area / Plot area = 690.26/755.68= 0.91
GROUND FLOOR B/U AREA = 300.83 SQM.
FIRST FLOOR B/U AREA = 389.43 SQM
TOTAL B/U AREA ALL FLOOR = 300.83+0389.43 = 690.26 SQM.
COVERED PARKING = 88.58 SQM

SPECIFICATION :-

FOUNDATION :-Providing & installing bored cast in situ RCC (reinforcement cement concrete) of specified dia and length below the pile cap in cement mortar 1:1/2 3 (1cement 1/2mm coarse sand 3 graded stone aggregate or 20mm nominal size) to carry the safe working load not less than specified
SUPER STRUCTURE :- Providing 1st class brick work in cement mortar 1:6 or 1.4 (1 cement 6 fine sand)
LINTEL:-RCC 1:2:4 (1 Cement 2 coarse sand 4 graded stone aggregate) at lintal level as per structure design.
ROOFING :-Providing 125mm R.C.C. roof slab with approved quality of stone chip and graded coarse sand as per structure design. coat of FLOORING -Providing cement concrete flooring 1.2:4 (1 Cement 2 coarse sand 4 graded stone aggregate) finish with a WOOD WORK :-Providing and fixing good quality well dressed and well seasoned Sal wood work in neat sand including cement slurry. Chaukhats (100x75) of door and window affix with s.s hinges and fitting 30mm. the non decorative type core of block board and commercial 3 ply veneers with ver gains & face of shutter door & window affix with ss hinges and
PLASTERING :-12mm thick cement plaster (1:6) with fine sand inner and outer side of wall.
COLORING :- Two coats white wash or color as per choice
TOILETS:- As per septic type.
ELECTRICAL:- Concealed P.V.C. conduit wiring with standard electrical accessories
ELECTRICAL ACCESSORIES :- power point, electrical fittings like LEDs, bulbs.etc

STRUCTURAL NOTES :-

PLOT DETAILS :-

SHEET NO.	SCALE	NORTH
	1:100 1:200	

SIGNATURE OF OWNER

SIGNATURE OF ENGINEER/SUPERVISOR

SAURAV KUMAR
2105037
SEM 6

SIGNATURE OF ARCHITECT

SIGNATURE OF EXECUTIVE OFFICER