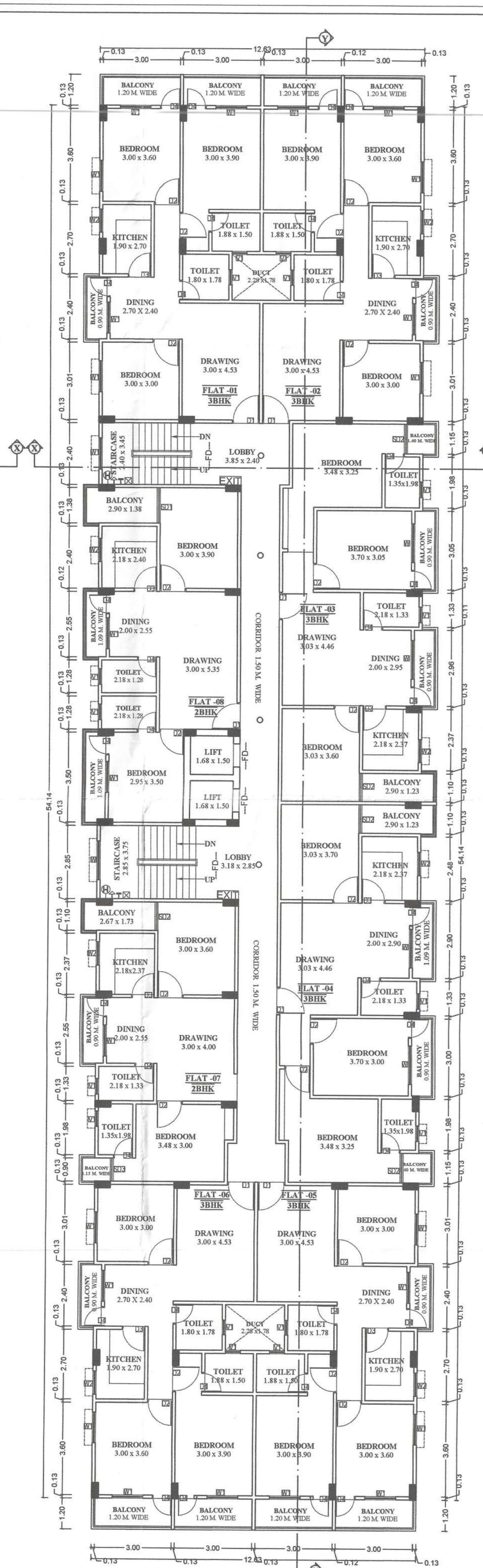
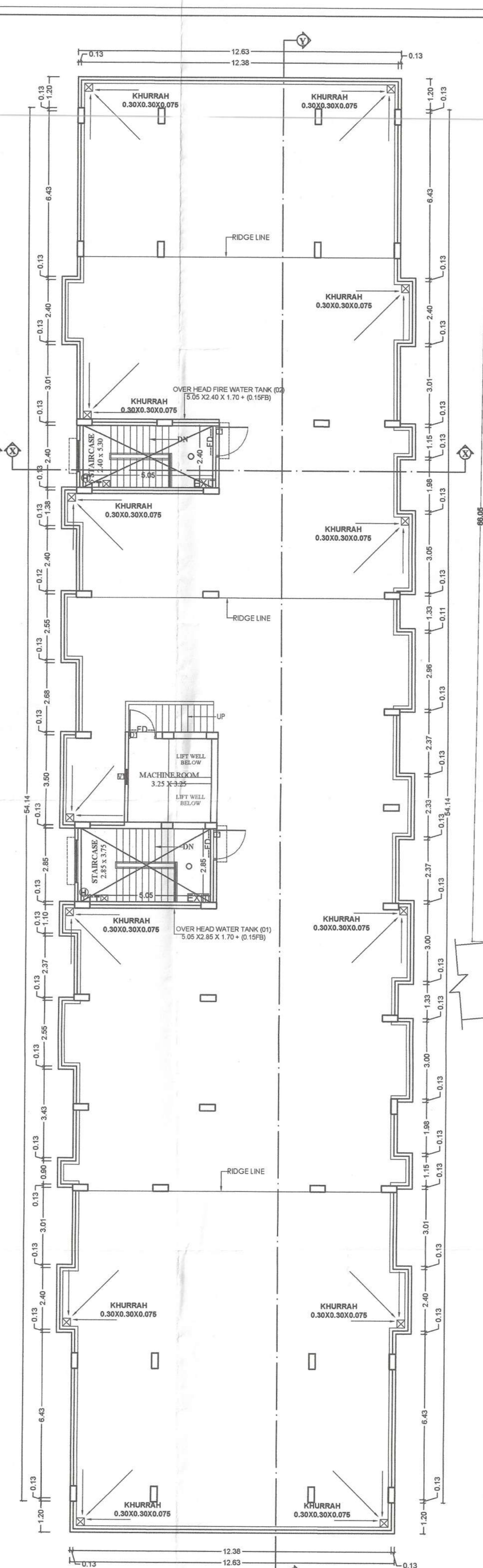


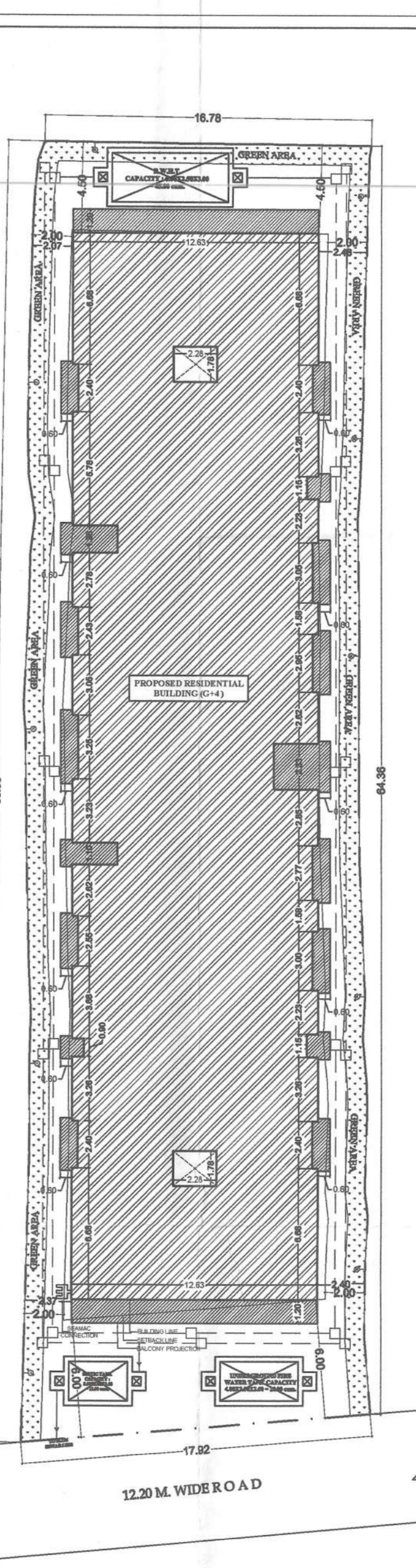
GROUND FLOOR PLAN



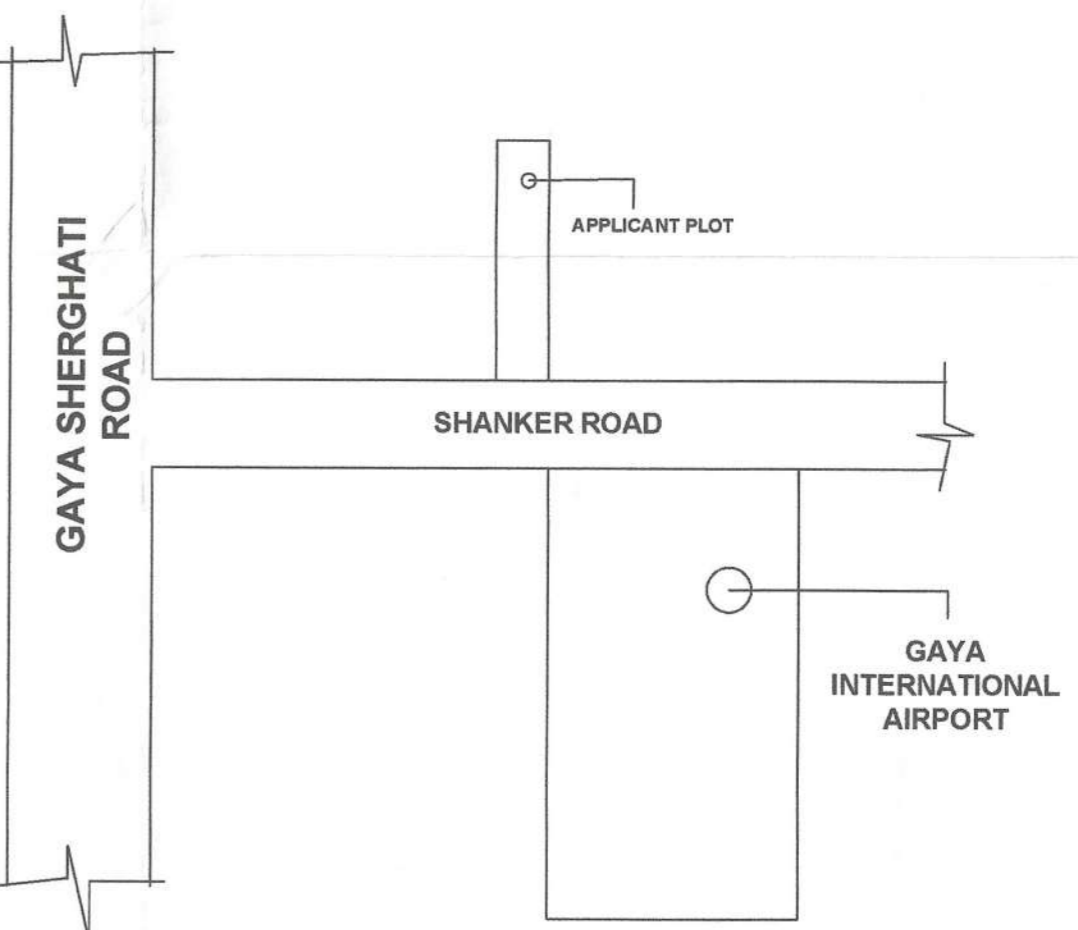
1ST TO 4TH FLOOR PLAN



TERRACE FLOOR PLAN



SITE PLAN  
SCALE 1:200



LOCATION PLAN

**FIRE LEGENDS:**

- (1) OVERHEAD WATER STATIC OF 20,000 LITERS CAPACITY - 20,000 LTRS
- (2) HYDRANT POINT - (H) (WET RISING SYSTEM)
- (3) HOSE REEL
- (4) I.S.I MARKED F.E
- (5) FLUORESCENT SIGN - EXIT
- (6) SEAMAC CONNECTION
- (7) SPRINKLER'S INSTALLATION
- (8) MANUAL CALL ALARM POINT
- (9) FIRE RESISTANCE STEEL DOOR
- (10) AREA COVERED WITH SMOKE DETECTION SYSTEM - ASA
- (11) EMERGENCY LIGHT
- (12) P. A. SYSTEM
- (13) FIRE ALARM CALL POINT
- (14) UNDERGROUND WATER TANK 20000 LITERS CAPACITY - 20000 LTRS

**PARKING CALCULATION:-**

**RESIDENTIAL PARKING**

REQUIRED PARKING 25% OF 85% RESIDENTIAL BUILTUP AREA  
85% OF BUILTUP AREA = 2792.75 X 0.85 = 2373.84 sqm  
So, REQUIRED CAR PARKING AREA = 2373.84 X 0.25 = 593.45 sqm  
**TOTAL REQUIRED CAR PARKING AREA = 664.50 sqm.**

**TOTAL PROVIDED COVERED PARKING CAPACITY = 664.50 sqm**

**SEPTIC TANK CALCULATION:-**

TOTAL NO. OF FLAT = 32 NOS.  
EACH FLAT HAVING 5 PERSON  
TOTAL NO. OF PERSON = 32 X 5 = 160 PERSON  
PER PERSON REQ. VOLUME = 0.085 qb.m./day  
TOTAL REQ. VOLUME OF SEPTIC TANK = 160 X 0.085 = 13.60 qb.m.

VOLUME OF SEPTIC TANK SIZE = 3.00 X 2.00 X 2.50 = 15.00 qb.m.  
**TOTAL PROVIDE AREA OF SEPTIC TANK = 15.00 qb.m.**

**WATER TANK CALCULATION:-**

TOTAL NO. OF FLAT = 32 NOS.  
EACH FLAT HAVING 5 PERSON  
TOTAL NO. OF PERSON = 32 X 5 = 160 PERSON  
PER PERSON REQ. VOLUME = 135 ltrs/day  
REQD. VOLUME OF WATER TANK = 160 X 135 = 21600.00 ltrs  
REQD. FIRE WATER TANK = 20000.0 ltrs  
TOTAL REQ. WATER TANK CAPACITY = 21600.0 + 20000.0 = 41600.00 LTRS. = 41.60 CUM

PROVIDE VOLUME OF WATER TANK SIZE  
1) 5.05 X 2.85 X 1.70 + (0.15FB) = 24.46 cum  
2) 5.05 X 2.40 X 1.70 + (0.15FB) = 20.60 cum  
**TOTAL PROVIDED WATER TANK CAPACITY = 24.46 + 20.60 cum = 45.06 CUM.**

**GREEN AREA CALCULATION:-**

REQUIRED GREEN AREA 10% OF TOTAL PLOT AREA  
TOTAL PLOT AREA = 1158.58 sqm  
So, REQUIRED GREEN AREA = 115.85 sqm  
**TOTAL PROVIDED GREEN AREA = 145.50 sqm**

**WATER HARVESTING SUMP CALCULATION :-**

TERRACE FLOOR AREA = 731.20 sqm.  
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA,  
SO TOTAL REQ. CAPACITY OF SUMP = 7.31 X 6 = 43.86 cum  
PROVIDED TANK SIZE = 6.00 X 2.50 X 3.00 = 45.00 cum  
**TOTAL VOLUME OF SUMP = 45.00 cum**

**SCHEDULE OF DOORS, WINDOWS**

TYPE	WIDTH	HEIGHT	SILL. LEV.	LIN. LEV.	DESCRIPTION
D1	1.07	2.13	0.0	2.55	SINGLE LEAF DOOR
D2	0.99	2.13	0.0	2.13	SINGLE LEAF DOOR
D3	0.91	2.13	0.0	2.13	SINGLE LEAF DOOR
D4	0.76	2.13	0.0	2.13/2.55	SINGLE LEAF DOOR
W	1.50	1.65	0.90	2.55	FULLY GLAZED WIN.
W1	1.20	1.65	0.90	2.55	FULLY GLAZED WIN.
W2	0.91	1.50	1.05	2.55	FULLY GLAZED WIN.
V1	0.61	0.75	1.80	2.55	FULLY GLAZED WIN.
SD1	1.38	2.55	0.0	2.55	FULLY GLAZED BLINDING DOOR
SD2	1.10	2.55	0.0	2.55	FULLY GLAZED BLINDING DOOR
SD3	0.90	2.55	0.0	2.55	FULLY GLAZED BLINDING DOOR

**SPECIFICATION:-**

- FOUNDATION - R.C.C. UNDER REAMED PILE FOUNDATION 6.0 M DEEP WITH R.C.C. AS/STRUCTURAL ENGINEER.
- SUPER STRUCTURE - 1st CLASS BRICK WORK IN SUPER STRUCTURE WITH CEMENT MORTAR 1:6.
- PLINTH - HEIGHT P.L. AND G.L. AS SHOWN IN SECTION.
- FLOORING - 0.025M TH. I.P.S. FLOORING OVER 0.125M TH. DRY RAMMED KHOA OVER 0.075 M TH. BRICK FLAT SOLING OVER SAND FILLING.
- ROOF - 0.10M TH. AVERAGE LIME TERRACING OVER R.C.C. ROOF SLAB.
- DOORS - CHOWKHATS OF DOORS TO BE SAL WOOD.
- WINDOWS - ALL WINDOWS TO BE FULLY GLAZED IN STEEL.
- PLASTER - 0.12M TH. CEMENT PLASTER ON BOTH SIDE OF BRICK WORK.
- COLOURING - COLOUR OR WHITE WASH AS/CHOICE

**AREA CALCULATION**

TOTAL PLOT AREA = 1122.89 SQ.MT.  
GROUND FLOOR AREA = 37.35 SQ.MT.  
1ST FLOOR AREA = 688.85 SQ.MT.  
2ND FLOOR AREA = 688.85 SQ.MT.  
3RD FLOOR AREA = 688.85 SQ.MT.  
4TH FLOOR AREA = 688.85 SQ.MT.  
**TOTAL BUILTUP AREA = 2792.75 SQ.MT.**

F.A.R. = 2792.75 / 1122.89 = 2.49

**PROJECTS DETAILS :-**

**PLOT DETAIL**  
PROPOSED RESIDENTIAL BUILDING G+4 OF PLOT NO - 1125 NEW, KHATA NO - 194 NEW, MAUZA - KHARATI, THANA NO. 350, DISTRICT - GAYA  
LAND OWNER  
BACHHIYA DEVI W/O SHIVPUJAN YADAV  
DEVELOPER  
M/S SATYASAROJ CONSTRUCTION PVT LTD  
MANAGING DIRECTOR - SATYANARAYAN SINGH  
S/O RAMANAND SINGH

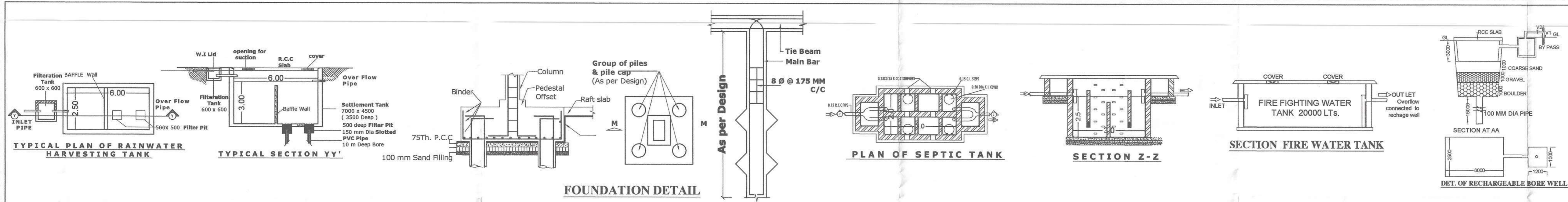
SHEET NO.	SCALE.	NORTH.
S.D-01/02	1 : 100 1 : 200	

**AMIT KUMAR**  
ARCHITECT  
EMPANELMENT NO. CA/1999/25514  
LHD, GOVERNMENT OF BIHAR  
SIGNATURE OF ARCHITECT

**RAJEEV SHARAN**  
Registration No. BR/UDHD/SE/23-0156  
LHD, Government of Bihar  
SIGNATURE OF ENGINEER

पत्रांक - 130 दिनांक - 08.04.2024

अनुमति  
आचार्य  
श्री. अशोक कुमार  
सहायक आयुक्त  
पंचायत समिति  
गया



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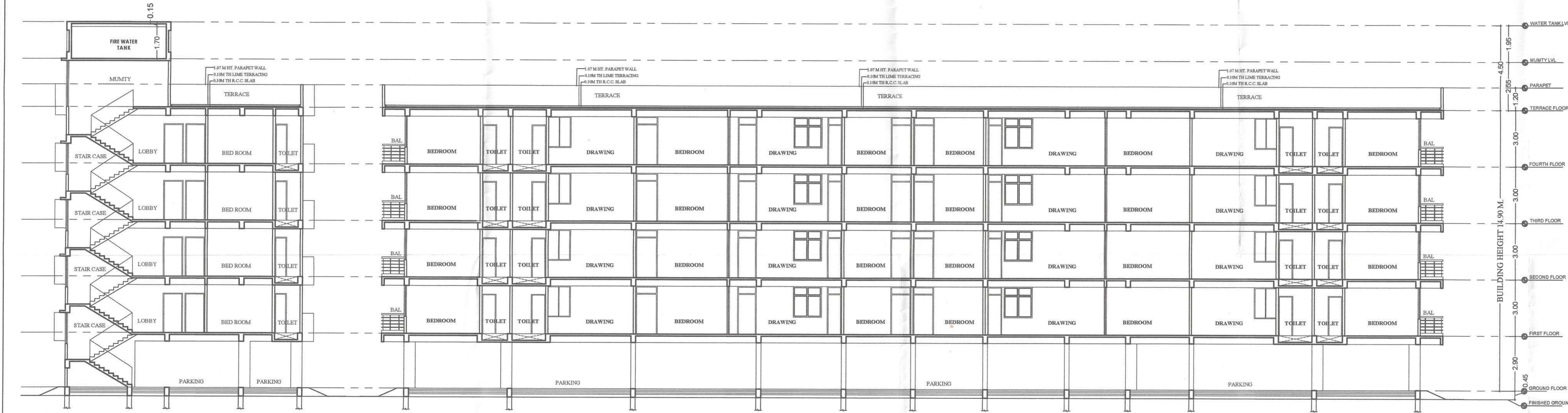
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**AMIT KUMAR**  
 ARCHITECT  
 EMPANELMENT NO. CA/1999/25514  
 UDHD, Government of BIHAR

**RAJEEV SHARAN**  
 Registration No. BR/UDHD/SE/23-0156  
 UDHD, Government of Bihar

SIGNATURE OF DEVELOPER / OWNER

SIGNATURE OF ENGINEER



पानांक - 130 दिनांक - 08.04.2024

**अमित कुमार**  
 मुख्य कार्यपालक परामर्शकारी  
 बांभगवा आवांजन क्षेत्र प्राधिकार  
 सह-नगर कार्यपालक परामर्शकारी  
 बांभगवा

08/04/24