

SEPTIC TANK CALCULATION :-

COMMERCIAL :-
 TOTAL BU AREA = 1594.64 SQM
 TOTAL CARPET AREA = 1594.64 / 2 = 797.32 SQM
 TAKING DENSITY OF 5 SQM PER PERSON
 = 797.32 / 5 = 159.46 SAH= 153 PERSONS
 PER PERSON NEED 0.085 CUM CAPACITY OF
 SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY OF
 TOTAL REQUIRED SEPTIC TANK = 133 x 0.085 = 11.30 CUM
 (REQUIRED)

RESIDENTIAL :-
 TOTAL NO. OF FLAT = 24 NOS.
 EACH FLAT HAVING 5 PERSON
 SO TOTAL NO. OF PERSON = 24 X 5 = 120 PERSON
 PER PERSON NEED 0.085 CUM. CAPACITY OF
 SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY OF
 TOTAL REQUIRED SEPTIC TANK = 120 x 0.085 = 10.20 CUM
 (REQUIRED)

PROVIDED :-
 PROVIDED SEPTIC TANK SIZE 1 NOS.
 [1] (5.00X 3.00 X 1.80) = 27.00 CUM. (PROVIDED)

FIRE LEGEND :-

- 01 HYDRANT OUT LET VALVE WET
- 02 HOSE REEL
- 03 SEMAC CONNECTED FOR FIRE BRIGADE CONNECTED TO WET RISER
- 04 ELECTRICALLY INSULATED METAL STRIP
- 05 UNDER GROUND TANK OF 50,000 Ltrs. = 1,00,000 Ltrs.
- 06 2 IN W/TANK FOR FIRE FIGHTING = 25,000 Ltrs.
- 08 FIRE ALARM CALL POINT
- 09 AUDIBLE ALARM CALL POINT
- 10 LOUSPREADER OUTLET
- 11 CO2 FIRE EXTINGUISHER
- 12 FIRE RESISTANT DOOR
- 13 AUTOMATIC SMOKE DETECTOR
- 14 AUTOMATIC SPRINKLER
- 15 EMERGENCY LIGHT POINT

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 482.62 SQM
 RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA, SO TOTAL REQ. CAPACITY OF SUMP = 5.82 x 6 = 34.92 CUM.
 PROVIDED FIRE TANK 102 = 3.80X 3.00X 0.90 = 10.26 CUM. (PROVIDED)

PARKING CALCULATION :-

TOTAL BU AREA = 4852.26 SQM
 DEDUCT FOR SERVICE AREA @ 15% = 4852.26 X 0.15 = 727.84 SQM
 PARKING AREA REQ. @ 30% OF BU AREA, SO TOTAL PARKING AREA REQ. = 4124.42 X 30% = 1237.32 SQM (REQUIRED)

PROVIDED :-
 LOWER BASEMENT PARKING AREA = 719.22 SQM
 UPPER BASEMENT PARKING AREA = 719.22 SQM
 TOTAL PARKING AREA = 1438.44 SQM (PROVIDED)

WATER TANK CALCULATION :-

COMMERCIAL :-
 TOTAL BU AREA = 1594.64 SQM
 TOTAL CARPET AREA = 1594.64 / 2 = 797.32 SQM
 TAKING DENSITY OF 6 SQM PER PERSON
 = 797.32 / 6 = 132.88 SAH= 133 PERSONS
 EACH PERSON NEED 45.1 LTRS. PER DAY = 133 X 45 = 5985.00 LTRS. (REQUIRED)

RESIDENTIAL :-
 TOTAL NO. OF FLAT = 24 NOS.
 EACH FLAT HAVING 5 PERSON
 SO TOTAL NO. OF PERSON = 24 X 5 = 120 PERSON
 PER PERSON NEED 135 LTRS PER DAY
 TOTAL PERSON NEED = 120 X 135 = 16,200.00 LTRS.
 A. FOR FIRE FIGHTING TANK 25,000 LTRS.
 TOTAL WATER TANK REQUIRED = (16,200.00 + 25,000.00) = 41,200.00 Ltrs. (REQUIRED)

PROVIDED :-
 PROVIDED WATER TANK 2 NOS. SIZE [1] (6.55 X 4.88 X 6.90) = 28,760.00 Ltrs. [2] (6.55 X 4.88 X 6.90) = 28,760.00 Ltrs. (25,000 Ltrs. Reserved For Fire Fighting)
 Total water tank capacity = 57,520.00 Ltrs. (Provided)

SCHEDULE OF WORKS & METHODS

TYPE	MOHT	HEIGHT	DIAL	LINTEL	DESCRIPTION
SI	1.01	2.11	0.0	2.13	Single Leaf Door
SI	0.91	2.11	0.0	2.13	Single Leaf Door
SI	0.76	2.11	0.0	2.13	Single Leaf Door
WI	1.52	3.76	0.76	3.74	Closed window
WI	1.37	1.78	0.76	3.54	Closed window
WI	0.91	1.83	0.91	2.34	Closed window
DWI	1.8418	2.84176	0.84176	3.54	Door & window
V	0.61	0.61	1.83	3.54	Window
V1	1.82	0.61	1.83	3.14	Window

AREA CALCULATION :-

TOTAL PLOT AREA AS PER DEED	= 1524.44 sqm
TOTAL PLOT AREA AS SITE	= 1524.31 sqm
Lower Basement Floor bu area	11.00 m²
Upper Basement Floor bu area	11.00 m²
Ground Floor bu area	487.47 m²
First Floor bu area	544.62 m²
Second Floor bu area	562.55 m²
Third Floor bu area	539.27 m²
Fourth Floor bu area	539.27 m²
Fifth Floor bu area	539.27 m²
Sixth Floor bu area	539.27 m²
seventh Floor bu area	539.27 m²
Eighth Floor bu area	539.27 m²
Total bu area	4852.26 m²

F.A.R. = 4852.26 / 1524.31 = 3.18
 GROUND COVERAGE = 36.90 %

PLOT DETAIL :-

PROPOSED COMMERCIAL CUM RESIDENTIAL BUILDING OF SAI ASHRWAD CONSTRUCTION PVT. LTD. DIRECTOR : (01)SRI. CHINMAY PRIYA, S/O SRI. BINOD KUMAR SINHA. (02)SRI. MITHILESH KUMAR, S/O LATE RAM NARESH PRASAD, ON S. PLOT NO. - 3998(PHASE-I), KHATA NO. - 297,302, THANA NO. - 38, MALUA - SIMLI MURARPUR, THANA - MALSALAMI, DIST. - PATNA

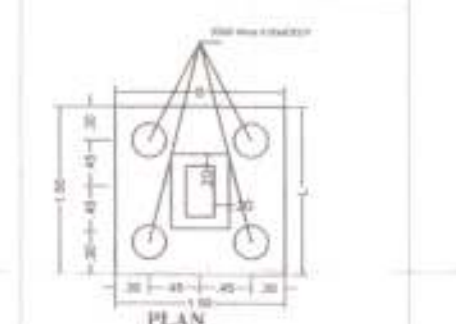
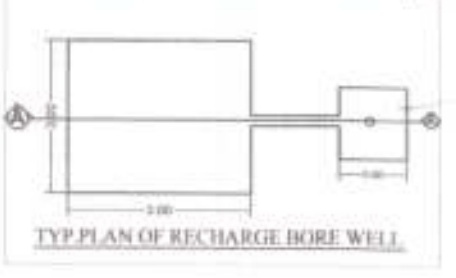
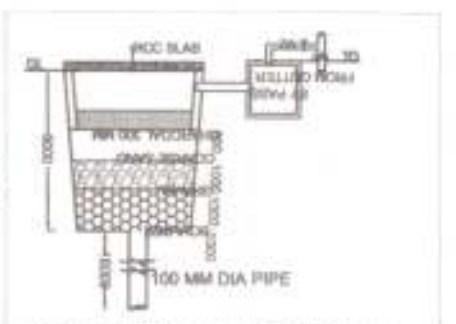
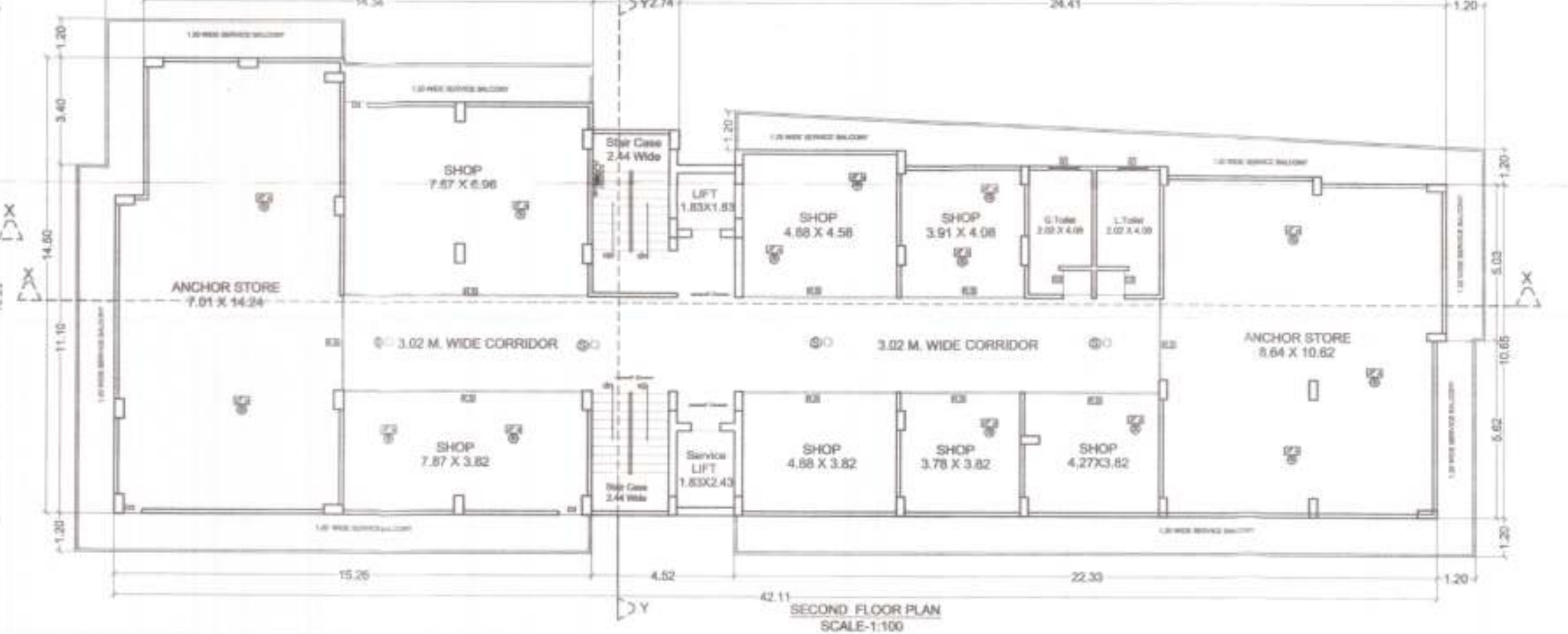
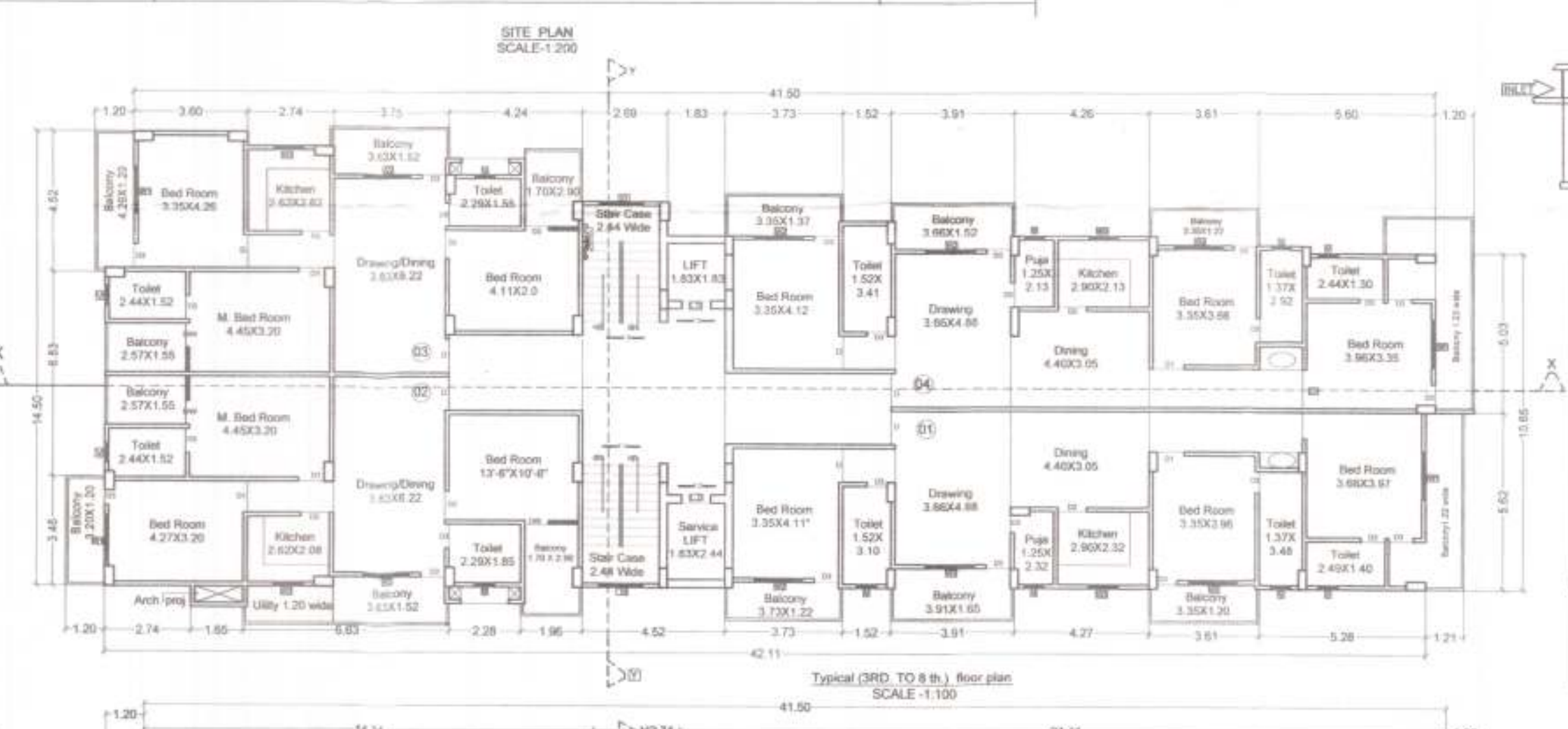
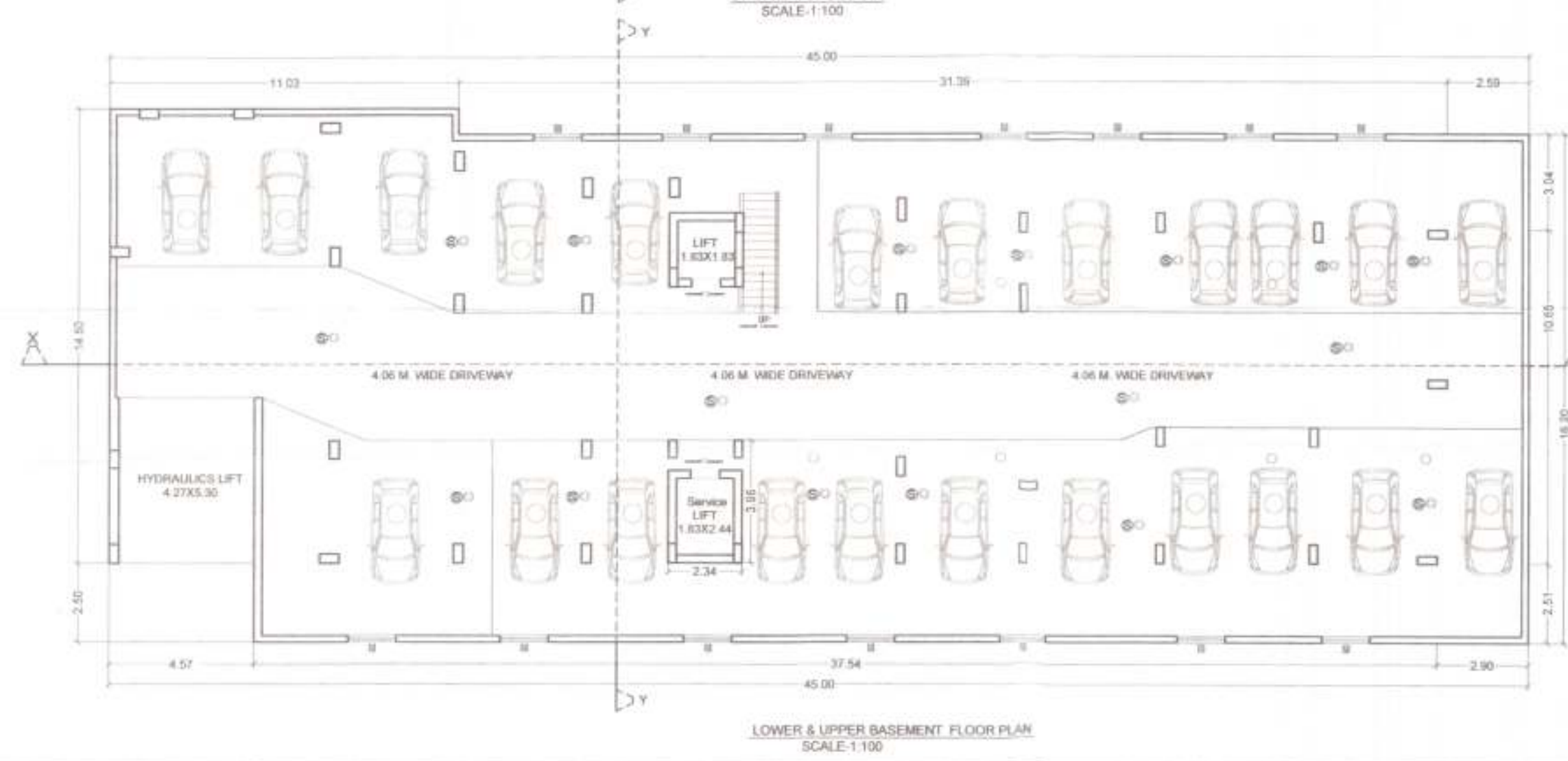
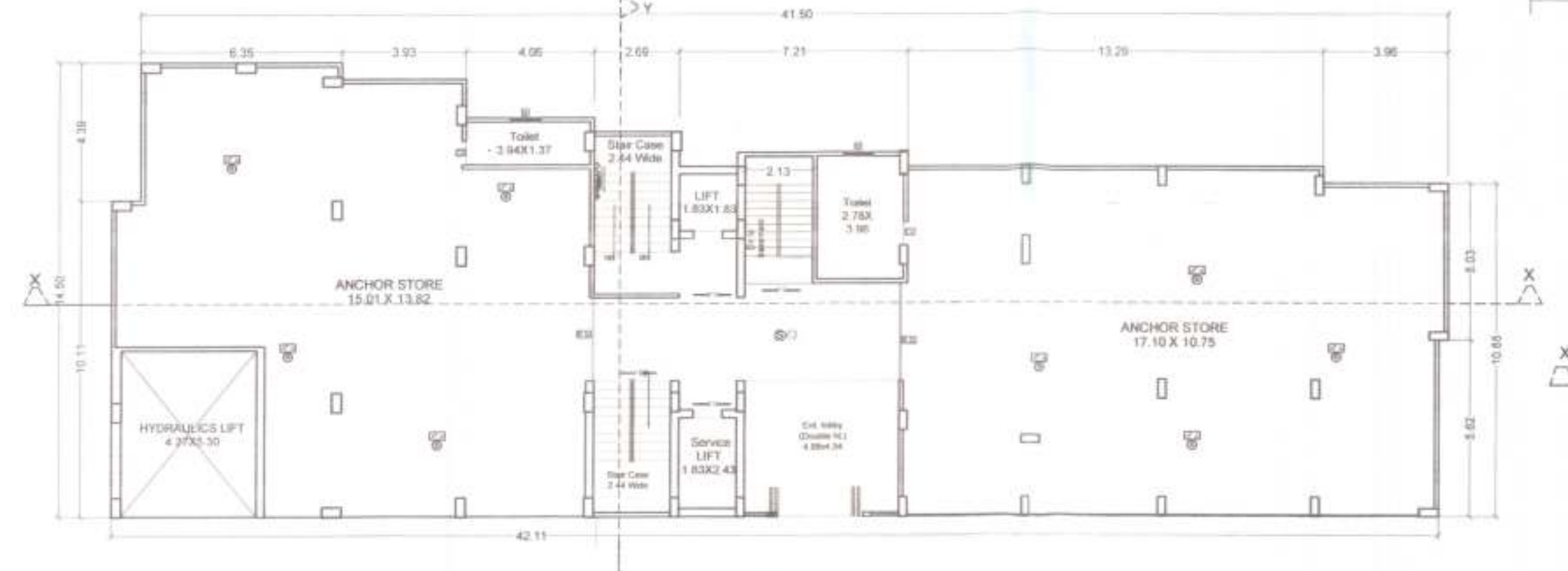
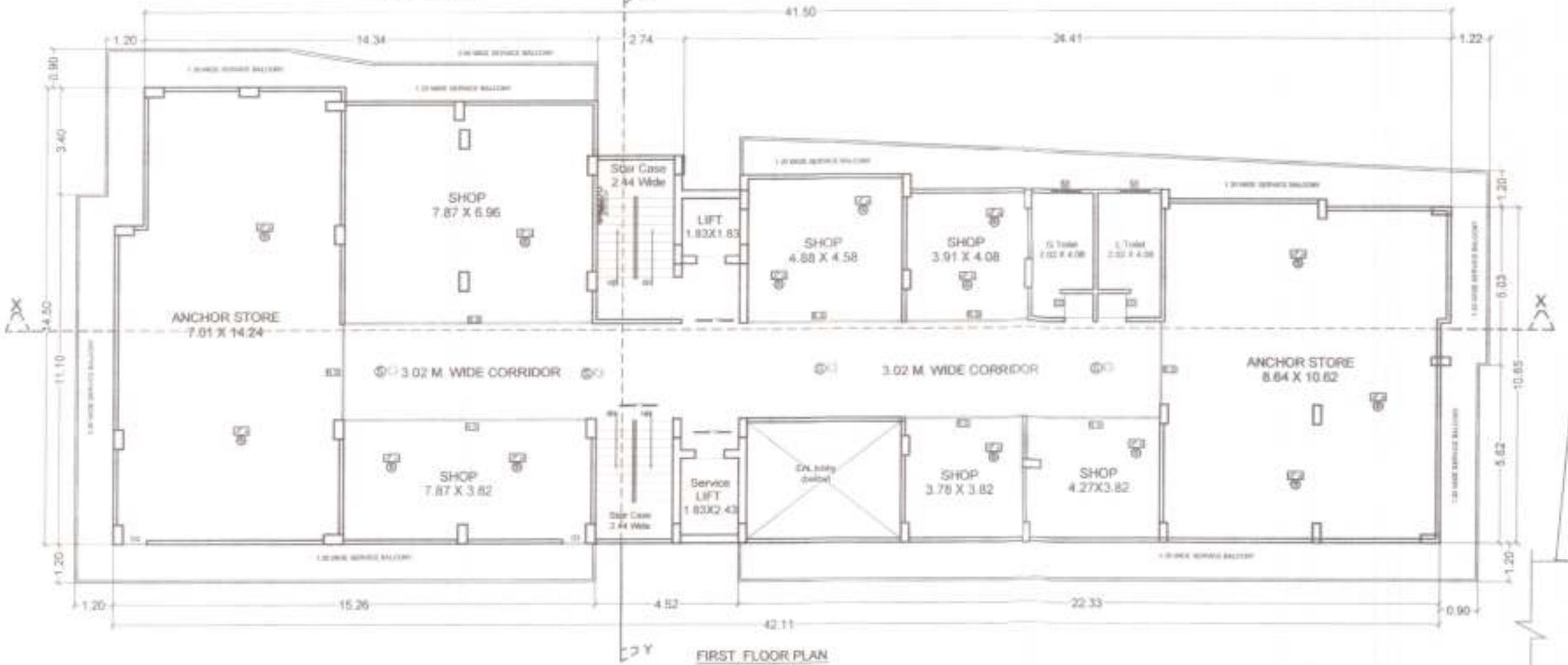
SCALE: 1:100, 1:200

Sushil Kumar
 Structural Engineer
 The Institute of Engineers India
 No. 1177-1
 MEMBER

Dr. Anshu Kishor Kumar
 Registered Architect
 No. 2012/1149/2013
 MEMBER

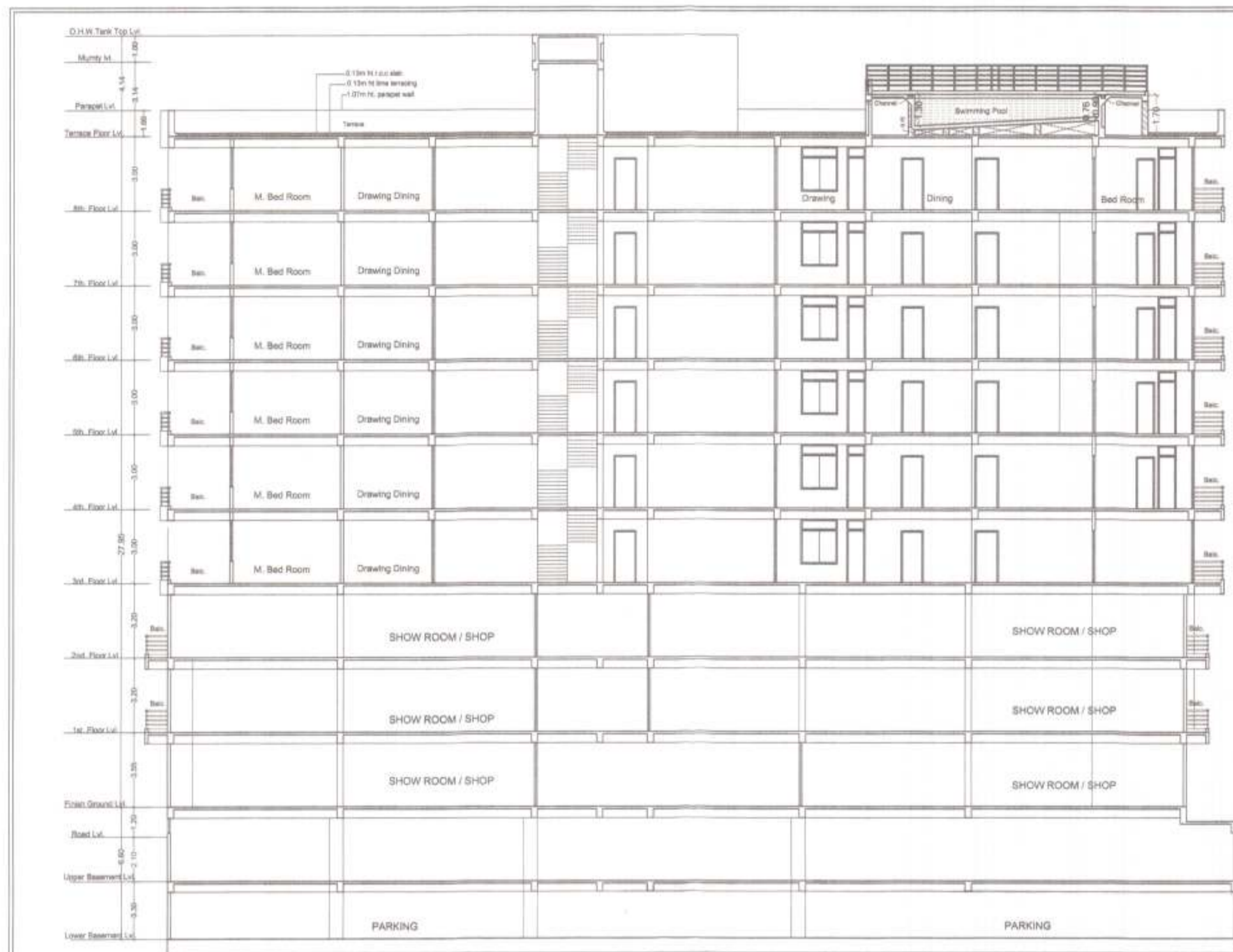
12-04-2022
 सहपाठक अभियंता
 पटना महानगर क्षेत्र प्राधिकरण

Patna Metropolitan Area Authority
 Sanction of Plan case no: 09-03-2022
 dated: 09-03-2022
 Development Central Regulations for Patna Master Plan 2031 (By-laws no 8/4) of Bihar Building Bye-laws 2014) vide notification no 831/832 dated 26.10.2016 on Date: 02-04-2022
 दिनांक 02-04-2022 (विनियमन प्रकाशक) संशय नं. मस्तिष्क विनियमन प्राधिकरण पटना महानगर क्षेत्र प्राधिकरण का निषेधन अनिवार्य होगा।

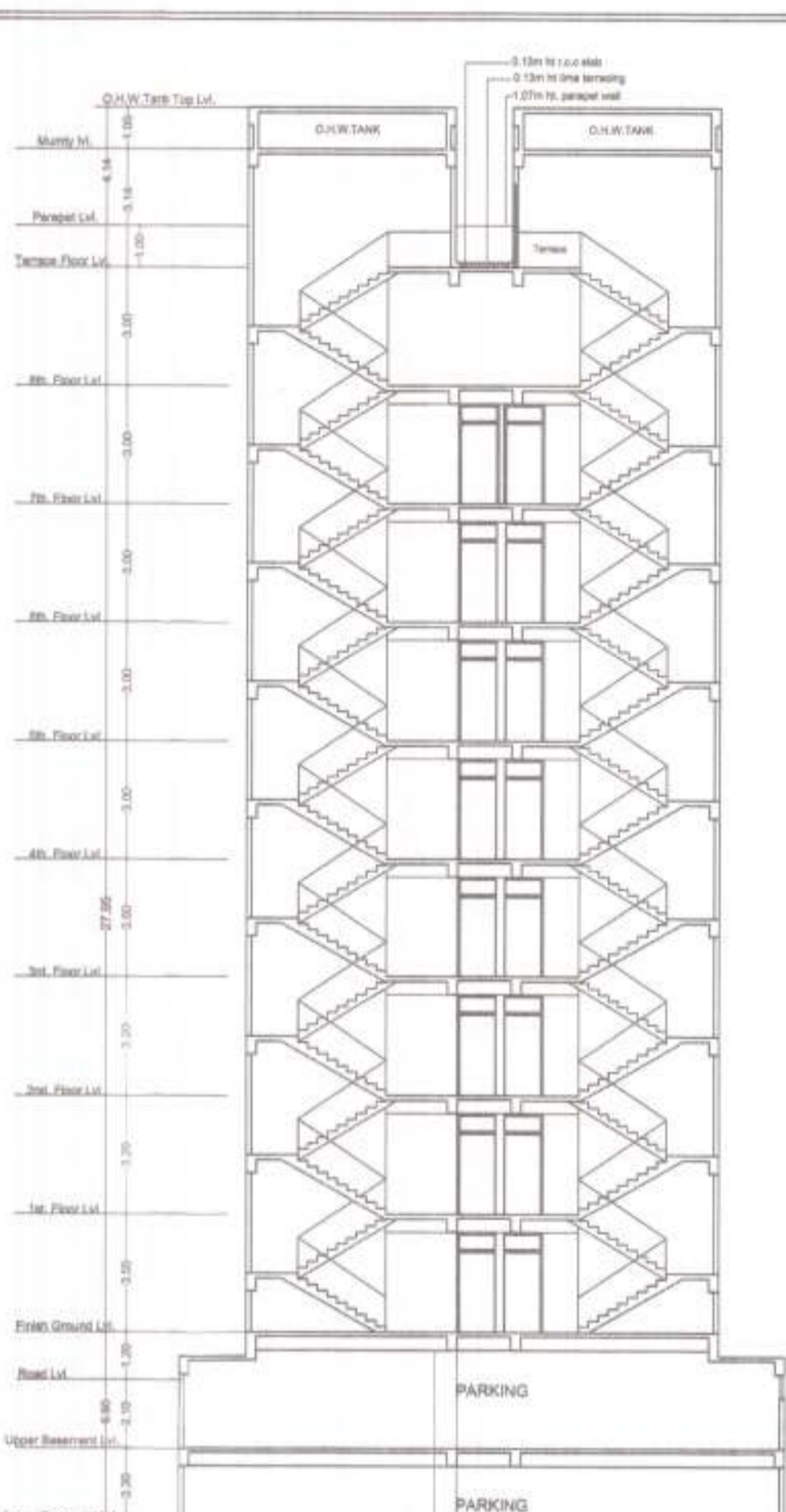


Sai Ashwadi Construction Private Limited
 Director





SECTION-Y-Y



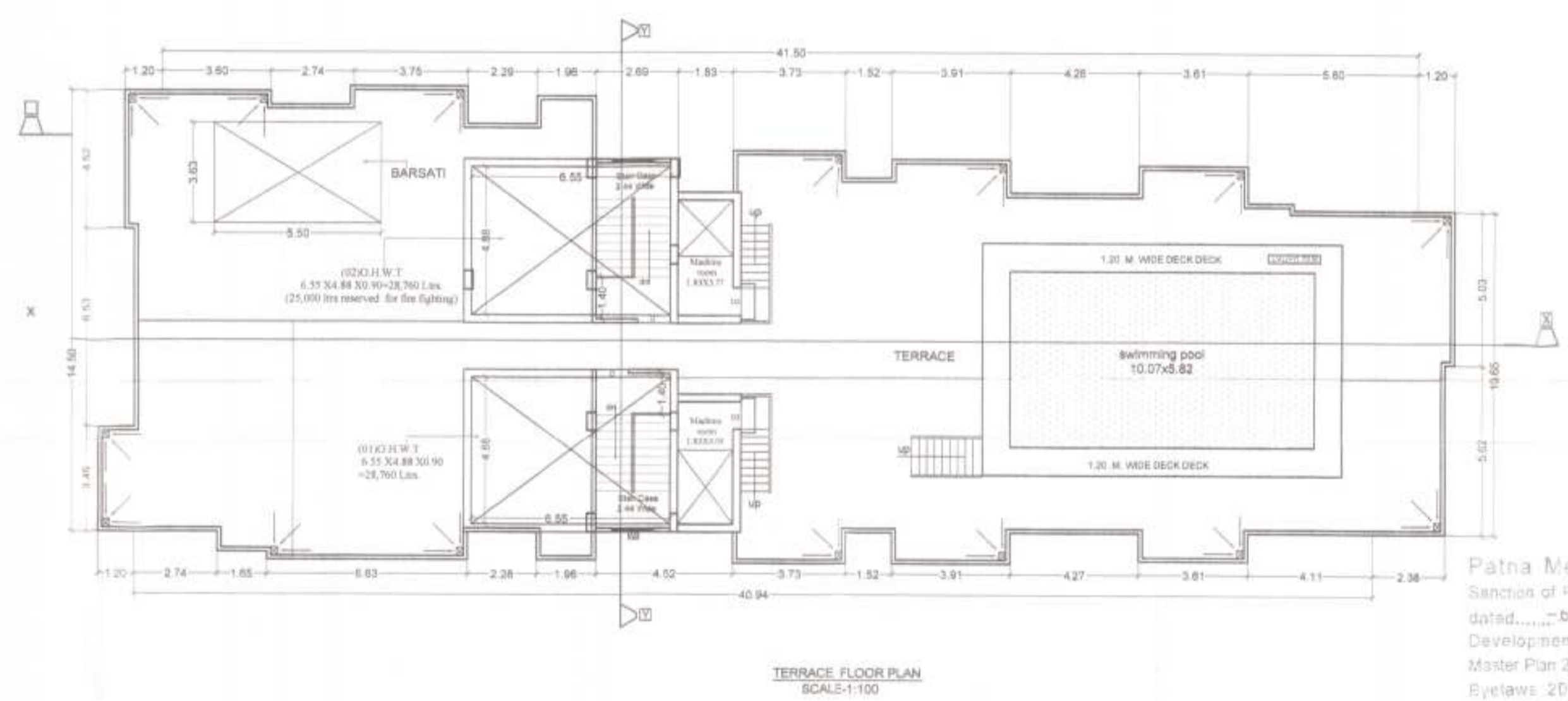
SECTION-X-X



EAST SIDE ELEVATION



FRONT ELEVATION



TERRACE FLOOR PLAN SCALE:1:100

SPECIFICATION:-		02/02
(01) FOUNDATION - R.C.C. PILE FOUNDATION (02) SUPER STRUCTURE - R.C.C. FRAMED STRUCTURE (03) BRICKWORK - 230 TH & 125 TH 1st CLASS BRICKWORK IN C.M. 1:3:6 AS DESIGN (04) FLOORING - Mosaic CAST-IN-SITU FLOORING IN GREY CEMENT IN ALL AREA (05) WALL FINISH - (i) INTERNAL - ALL INTERNAL SURFACE SHALL BE PAINTED WITH CEMENT PRIMER OVER FLAT FINISH OF F.O.P. SURFACE (ii) EXTERNAL - ALL EXTERNAL SURFACE SHALL BE PAINTED WITH TEXTURE PAINT OVER A SURFACE OF EXTERIOR GRADE PRIMER (06) DOOR - (i) FRAME - 65X100 TH. SAL WOOD DOOR FRAME (ii) SHUTTER-35MM TH. SOLID CORE FLUSH DOOR OF 1.8 L. MARK AS DESIGN (07) WINDOW - (i) FRAME - 65X100 TH. SAL WOOD ALUMINIUM WINDOW FRAME (ii) SHUTTER FULLY GLAZED HARD WOOD ALUMINIUM WINDOW SHUTTER AS DESIGN (08) TOILETS - (i) FLOORING - CERAMIC TILES FLOORING (ii) WALLS - CERAMIC TILES DAUDO UP TO 1.80 M (iii) SANITARYWARE - WHITE GLAZED VITREOUS SANITARYWARE OF 1.5 L. MARK (iv) FITTING - CHROMIUM PLATED C.P. FITTINGS OF 1.5 L. MARK (09) ELECTRICAL - (i) ALL INTERNAL WIRING IN CONCEALED CONDUITS WITH COPPER CONDUCTOR OF 1.5 L. MARK (ii) ADEQUATE LIGHTING POWER POINT SOCKET AS DESIGN & DRAWING (iii) WATER SUPPLY - ROUND THE CLOCK WATER SUPPLY BY MEANS OF OWN BORING & OVERHEAD TANK (10) WATER SUPPLY - ROUND THE CLOCK WATER SUPPLY BY MEANS OF OWN BORING & OVERHEAD TANK		
PLOT DETAIL :- PROPOSED COMMERCIAL CUM RESIDENTIAL BUILDING OF SAI ASHIRWAD CONSTRUCTION PVT. LTD. DIRECTOR : (01) SRI CHINMAY PRIYA, S/O SRI BINOD KUMAR SINHA, (02) SRI. MITHILESH KUMAR, S/O LATE RAM NARESH PRASAD, O.N.S. PLOT NO. - 399(P400(P), KHATA NO. - 297 302, THANA NO. - 38, MAUZA - SIMLI MURARPUR, THANA - MALSALAMI, DIST. - PATNA		
SCALE	1 : 100	NORTH
SIGNATURE OF BUILDER OWNER <i>Sai Ashirwad Construction Private Limited</i>		SIGN OF EMPANELLED STRUCT. ENGINEER Sushil Kumar <i>Structure Engineer</i> The Institution of Engineers (India) Reg. No. - 41972 - J
SIGNATURE OF ARCHITECT <i>AR. Umashankar Kumar</i> Reg. No. - 2015/11755		SIGN OF EMPANELLED ARCHITECT

12-04-2022
 महायक आभयता
 पटना महानगर क्षेत्र प्राधिकरण
 प्रभारी निदेशक
 पटना महानगर क्षेत्र प्राधिकरण

Patna Metropolitan Area Authority
 Sanction of Plan case no. - PMAA/PK/RI/1/SIMLI MURARPUR/1615/01/18/13/2022
 dated. 02.04.2022 recorded under
 Development Control Regulations for Patna
 Master Plan 2031 (Byelaws no 84) of Bihar Building
 Byelaws 2014 vide notification no 831/2022
 dated 23.10.2018 on Date. 02.04.2022

निसार भू-तम्पदा (निगमन निसार,
 नियामक 2017 को शर्तों को अधीन
 राज्य में मंडल विनियमन प्राधिकरण
 से इस परियोजना का निगमन
 अनिवार्य होगा।

Sai Ashirwad Construction Private Limited
Sai Ashirwad
 Director

