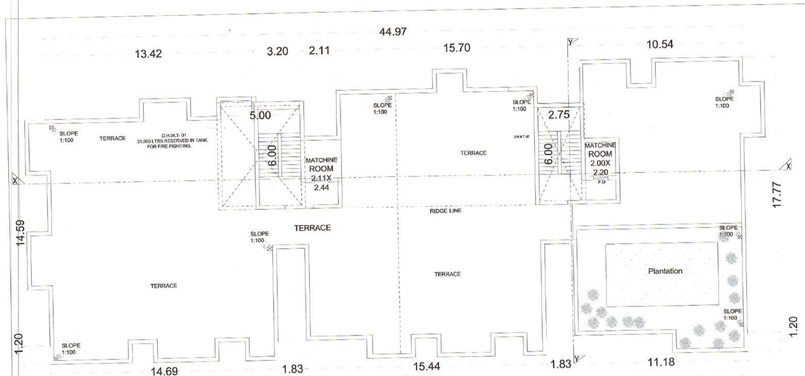
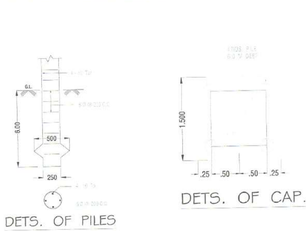
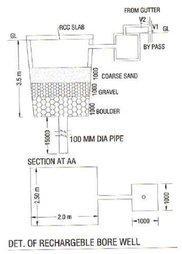


TERRACE FLOOR PLAN

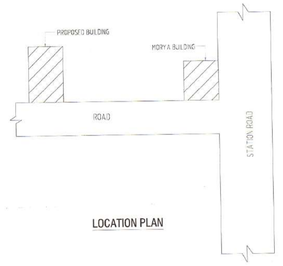


DETS. OF PILES

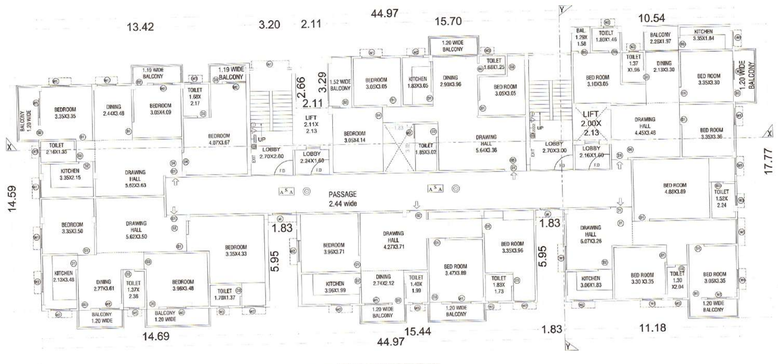
DETS. OF CAP.



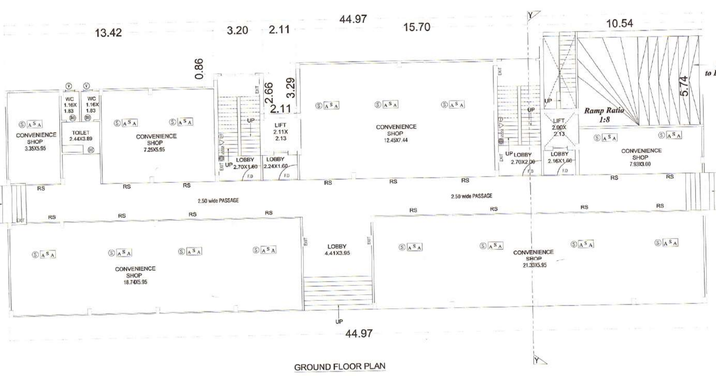
DET. OF RECHARGEBLE BORE WELL



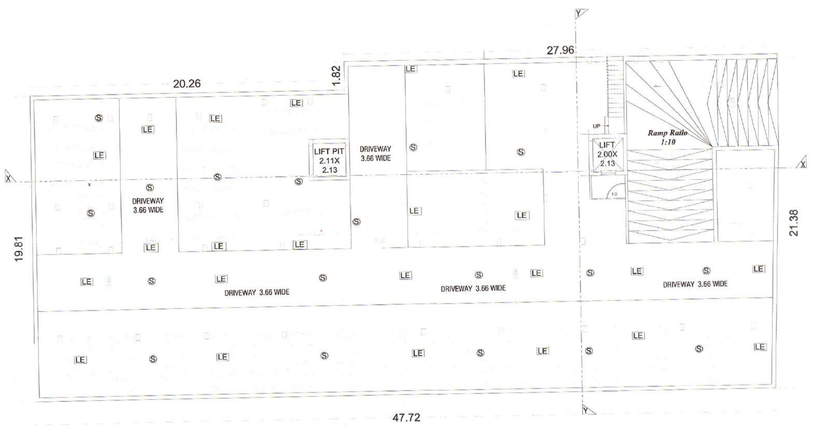
LOCATION PLAN



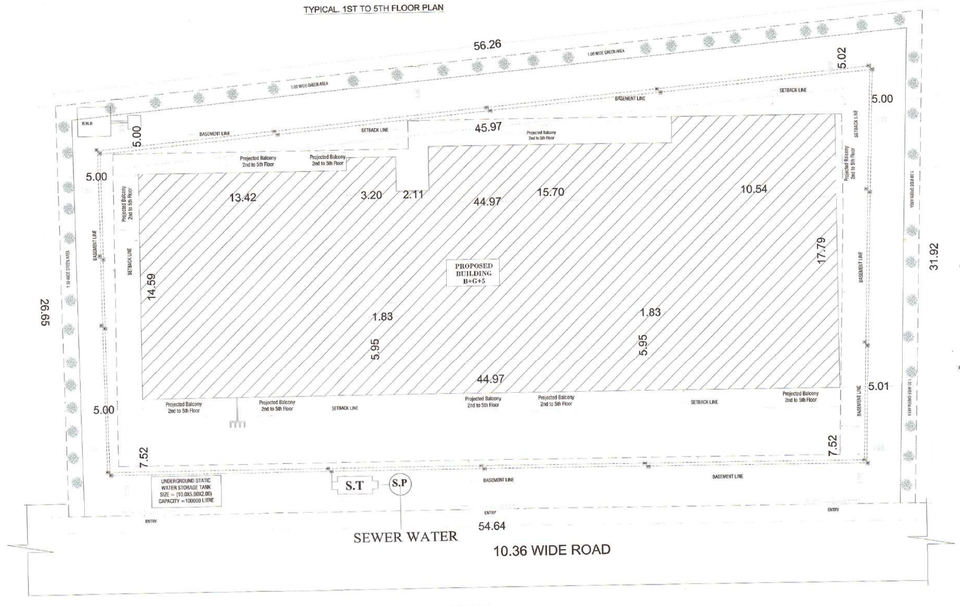
TYPICAL 1ST TO 5TH FLOOR PLAN



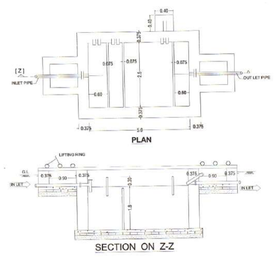
GROUND FLOOR PLAN



BASEMENT FLOOR PLAN



SITE PLAN



WATER TANK CALCULATION

RESIDENTIAL
TOTAL NO. OF PEOPLE OCCUPYING FLATS = 203 PERSONS

TOTAL WATER REQ. (RESIDENTIAL) = 135 X 203 = 27,405 LTRS.

RESERVED FOR FIRE FIGHTING
REQUIRED OVERHEAD TERRACE TANK = 25,000 LTRS

GRAND TOTAL REQUIREMENT = 27,405 + 25,000 = 52,405 LTRS

PROVIDED WATER TANK
01.WATER TANK = 6.00 X 5.60 X 1.20 = **36,000 LTRS**
02.WATER TANK = 6.00 X 2.75 X 1.20 = **15,800 LTRS**
TOTAL WATER TANK = 6.00 X 2.75 X 1.20 = **55,800 LTRS**

25,000 LTRS RESERVED IN TANK FOR FIRE FIGHTING.

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 700.00 sqm.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR
EVERY 100 SQM. TERRACE AREA
SO TOTAL REQ. CAPACITY OF SUMP =700 x 0.05 = 42.00 cum
PROVIDED TANK SIZE = (5.00x2.50x2.50)X2 =50.00 cum
TOTAL VOLUME OF SUMP = 50.00 cum

GREEN AREA CALCULATION

TOTAL PLOT AREA =1623.85 SQ.Mt.
TOTAL REQUIRED PLANTATION AREA @10% OF 1623.85 SQ.Mt = 162.39 SQ.Mt

TOTAL LANDSCAPING AREA PROVIDED = 172.23 SQ.Mt

SEPTIC TANK CALCULATION

TOTAL NO. OF PERSONS = 203 PERSONS.
REQUIRED@0.085 CUM. / PERSON =203 x 0.085 =17.26 CUM.
PROVIDED SEPTIC TANK OF SIZE
5.00 x 2.5 x 1.8 = 24.37 CUM. X 1 NOS. = 22.50 CUM.

LEGEND FOR FIRE FIGHTING

1)	HYDRANT SPRINKLER	(S)
2)	HOSE REEL	(E)
3)	UNDER GROUND WATER TANT WITH 1,00000 LTRS. CAPACITY	100000
4)	OVER HEAD WATER FOR FIRE FIGHTING TANK WITH 25,000 LTR. CAPACITY.	25000
5)	SIAMESE CONNECTION	
6)	ELECRICALY INSULATED METAL STRIP OF 2,500X3,50MM	E
7)	CO2 /DCP FIRE EXTINGUISHER	
8)	FIRE HYDRANT	(H)
9)	EMERGENCY LIGHTING SYSTEM	(L)
10)	AUTOMATIC INDICATER	A A
11)	AREA COVERED BY SHOKE DETECTER	A A
12)	FIRE ALARM CALL POINT.	(F)
13)	AUDIBLE WARNING DEVICE.	
14)	LOUD SPEAKER OUT LET.	
15)	MICROPHONE POSITION.	(M)
16)	FIRE RESISTANCE DOOR.	FD
17)	SMOKE DETECTOR.	(S)
18)	ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
19)	WET RISER	(W)
20)	MECHANICAL VENTILATION PROVIDED IN DUCT	

PROJECT DETAIL

PROPOSED RESIDENTIALBUILDING OF DEEP ASSOCIATES:-AKASH DEEP
S/O- SRI VIJAY KUMAR SINGH
MAUZA- ANAITH,THANA NO-227,KHATA NO-2,52.
PLOT NO - 972,973 ,DIST - BHOJPUR , ARA.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	NO.	UNITS	DESCRIPTION
D	1.00	2.10	116	216	——DOOR——
D1	0.90	2.10	116	210	——DOOR——
D2	0.80	2.10	116	210	——DOOR——
D3	0.76	2.10	116	210	——DOOR——
W	1.20	1.20	116	216	——DOOR——
WA	1.27	1.83	0.91	2.32	——DOOR——
WB	1.22	1.83	0.91	2.31	——DOOR——
W3	0.91	1.83	0.91	2.32	——DOOR——
W4	0.91	1.37	0.91	2.32	——DOOR——
V	0.61	1.37	0.91	2.32	——DOOR——
SW	0.75/1.07	2.10/1.83	2.11/2.13	2.34	——DOOR——
SW1	0.75/1.21	2.10/1.83	2.11/2.13	2.34	——DOOR——
SW2	0.91/1.71	2.10/1.83	2.11/2.13	2.34	——DOOR——
W3	1.20	1.20	0.9	2.32	——DOOR——

AREA CALCULATION :-

TOTAL PLOT AREA AS PER DEED	=	1650.01 Sqrs.
TOTAL PLOT AREA AS PER POSSESION	=	1623.85 Sqm.
B/U AREA OF BASEMENT FLOOR PLAN	=	14.00 sqm.
B/U AREA OF GROUND FLOOR PLAN	=	630.00 sqm.
B/U AREA OF FIRST FLOOR PLAN	=	680.00 sqm.
B/U AREA OF SECOND FLOOR PLAN	=	680.00 sqm.
B/U AREA OF THIRD FLOOR PLAN	=	680.00 sqm.
B/U AREA OF FOURTH FLOOR PLAN	=	680.00 sqm.
B/U AREA OF FIFETH FLOOR PLAN	=	680.00 sqm.
TOTAL B/U AREA	=	4044.00 sqm.
F.A.R = 2.49		

PARKING AREA CALCULATION

TOTAL NET B/UP AREA = 4044.00 SQ.M.
15% RELAXATION ON B/UP AREA = 606.60 SQ.M.
TOATL NET B/UP AREA = 3437.40 SQ.M.
25 % OF TOTAL NET B/U AREA = 0.25 x 3437.40
TOTAL REQUIRED PARKING AREA = **859.35 SQ.M**

NET TOTAL REQUIRED PARKING AREA = 859.35 SQ.M

PARKING AREA PROVIDED:

BASEMENT = 895.00 SQ. M
TOTAL PROVIDED PARKING AREA = 895.00 SQ. M

POPULATION DENSITY CALCULATION

TOTAL NO. OF RESIDENTIAL FLATS FROM 1st TO 5th FLOOR = **30 FLATS**

CONSIDERING EACH FLAT HAVING 5 PEOPLE,
TOTAL NO. OF PEOPLE = (30 X 5) = 150 PEOPLE

GROUND FLOOR :
TOTAL GROUND FLOOR B/U AREA = 630.00 Sq.m.
TOTAL CARPET AREA= 630.00X2 = 315.00 Sq.m.
ASSUMING DENSITY OF 1 PERSON EVERY 6 SQ.M.
TOTAL NO. OF PERSONS IN GROUND FLOOR = 52.00
= 53 PERSONS

TOTAL NO. OF PERSONS = (150+53) = 203 PERSONS

SCALE 1:100 1:200 | NUDUM | DWG. NO. 01.02

DEEP ASSOCIATES
REG No.- BR/UDHD/BLDR/P/23-0181

SIGNATURE OF LAND OWNER/BUILDER

Er. Manoj Kumar
STRUCTURAL ENGINEER
ER/UDHD/SE/23-0116
UDHD,GOVERNMENT OF BIHAR

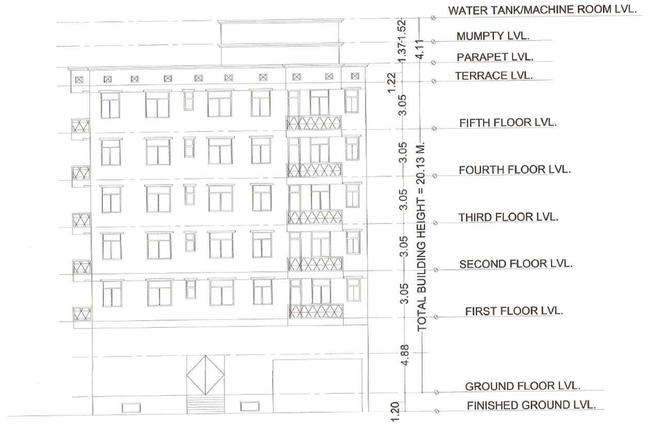
SIGNATURE OF STRUCTURE ENGINEER

ARCHITECT
JAIRAM PRASAD
Urban Development & Housing Dept.
Govt. of Bihar
Empanelment No.-CA/2016/76515

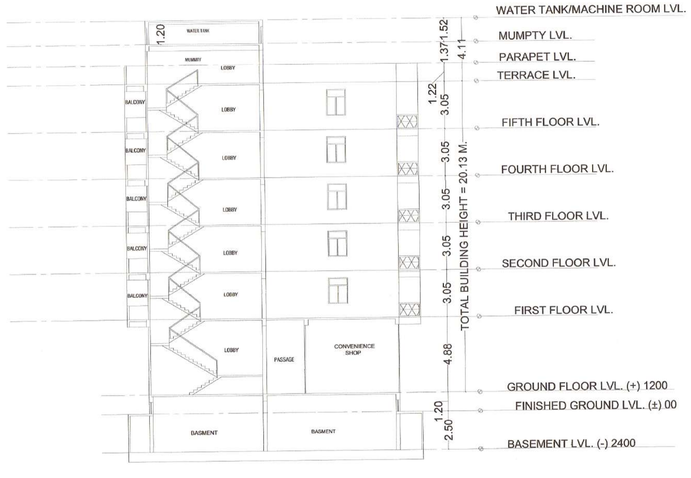
SIGNATURE OF ARCHITECT

Director-cum-State Fire officer
Bihar, Patna
23 SEP 2024

FRONT ELEVATION



RIGHT SIDE ELEVATION



SECTION -YY

SECTION -XX

PROJECT DETAIL

PROPOSED RESIDENTIALBUILDING OF DEEP ASSOCIATES:-AKASH DEEP S/O- SRI VIJAY KUMAR SINGH MAUZA- ANAITH,THANA NO-227,KHATA NO-2,52. PLOT NO - 972,973 ,DIST - BHOJPUR , ARA.

SCALE	KILLON	DWG. NO.
1:100 1:200		02/02

DEEP ASSOCIATES
REG No.- BR/UDHD/BLDR/P/23-8181

SIGNATURE OF LAND OWNER/BUILDER

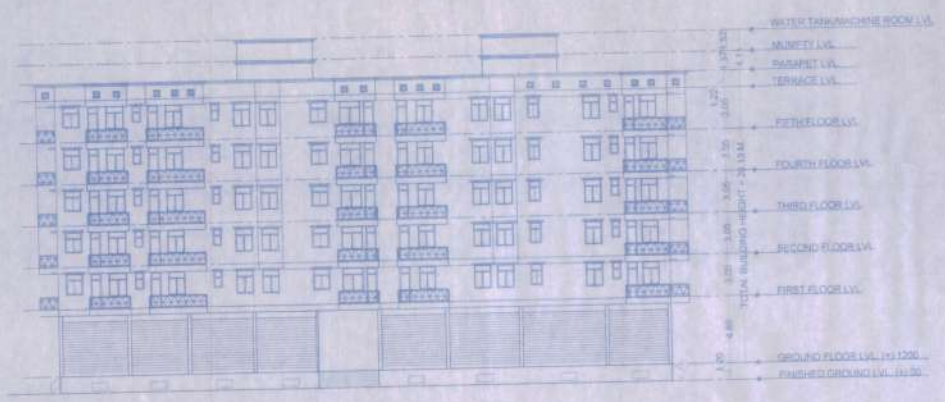
Er. Manoj Kumar
STRUCTURAL ENGINEER
BR/UDHD/SE/23-6116
UDHD,GOVERNMENT OF BIHAR

SIGNATURE OF STRUCTURE ENGINEER

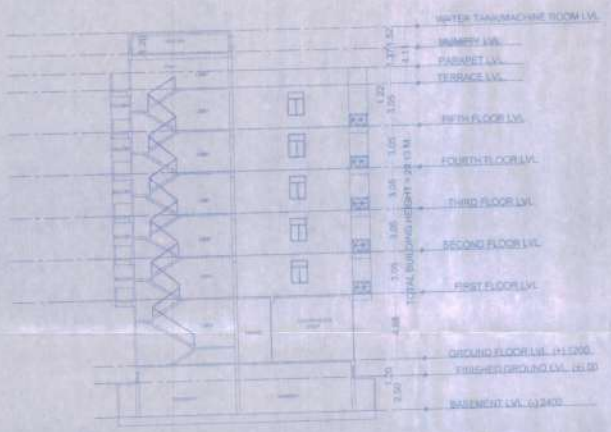
ARCHITECT
JAIRAM PRASAD
Urban Development & Housing Dept.
Govt. of Bihar
Empanelment No.-CA/2016/76515

SIGNATURE OF ARCHITECT

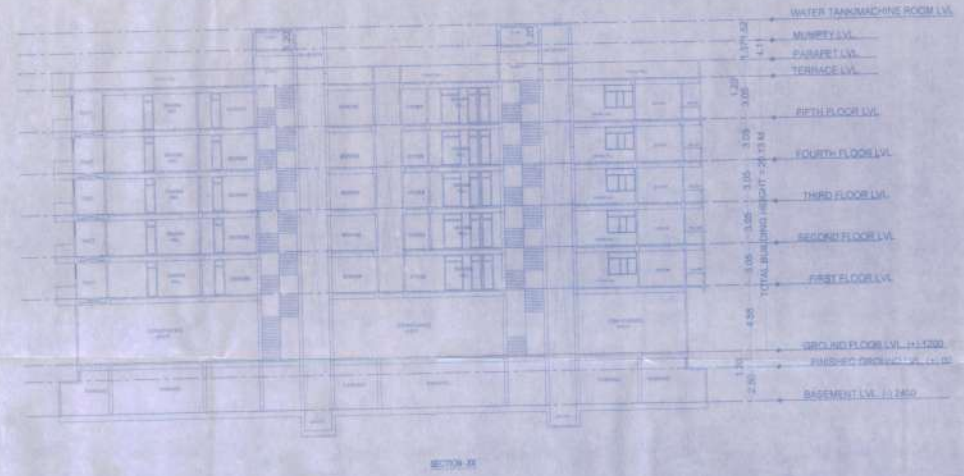
Director-cum-State Fire officer
Bihar, Patna
23 SEP 2024



FRONT ELEVATION



SECTION-YY



SECTION-XX

DEEP ASSOCIATES
REG No.- BR/UDHD/BLDR/(D)-0181

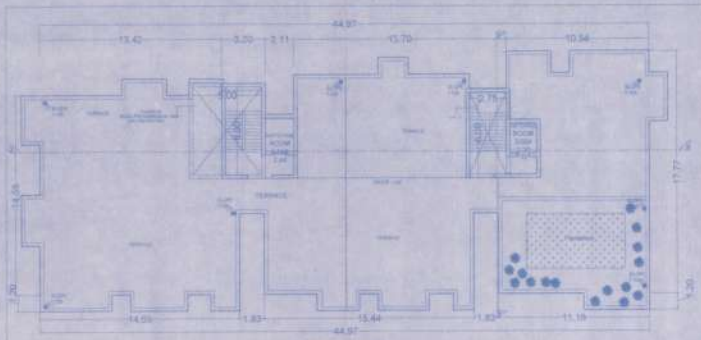
Er. Manoj Kumar
STRUCTURAL ENGINEER
BR/UDHD/SE/23-0116
UDHD GOVERNMENT OF BIHAR

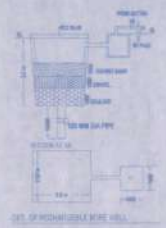
ARCHITECT
JAIRAM PRASAD

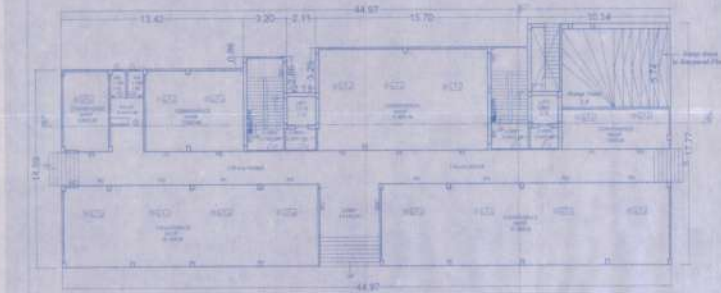
The Owner/Builder Shall in no case deviate from the Sanctioned Plan for the Construction, if any deviation is found during the construction or at any time the entire Structure will be treated as unauthorised. Owner will keep a Copy of Sanction Plan at the Site during the Construction.
This Sanction Plan is Valid for only Five Year

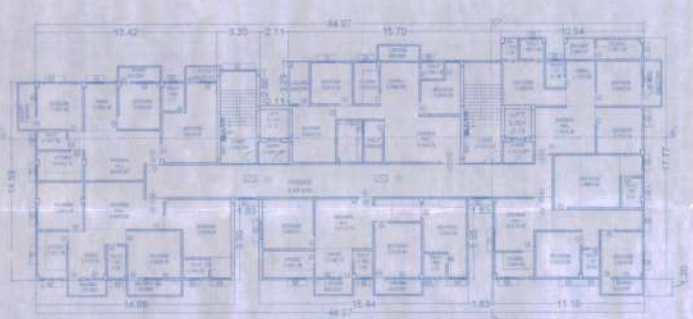
Municipal Commissioner
Competent Authority
ARA NAGAR NIGAM
ARA (BIHAR)

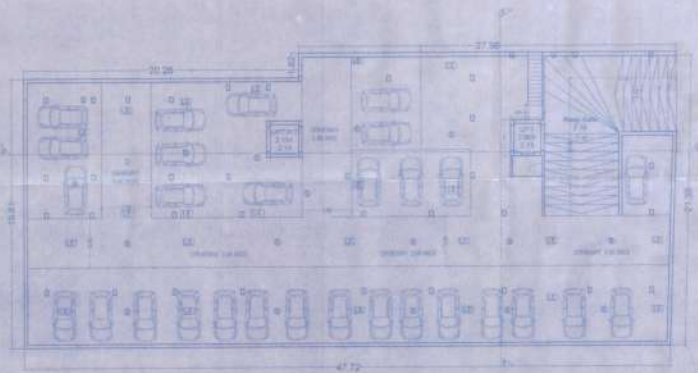
Comm+ 185/m·h·
Dt- 28/11/2024

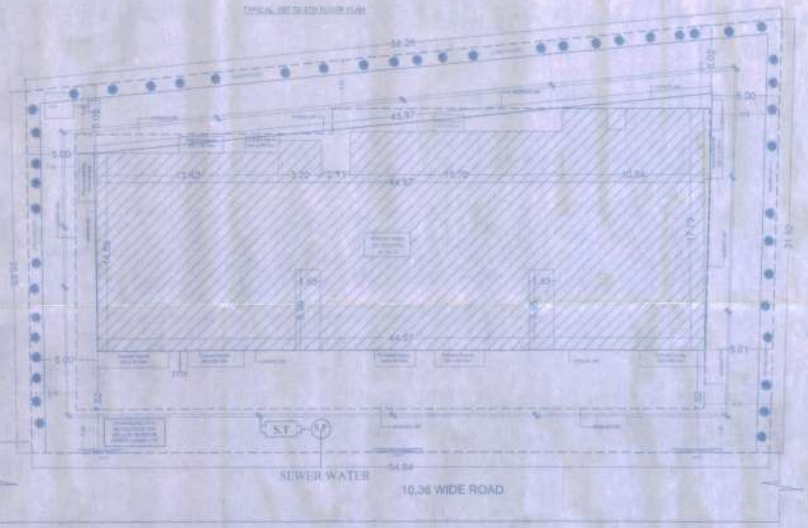


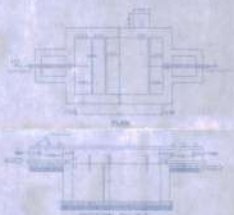












DEEP ASSOCIATES
REG No.- BR/USHD/BLDR/P23-0101

Er. Manoj Kumar
STRUCTURAL ENGINEER
BR/USHD/SE/23-0116
LICENSED GOVERNMENT OF [illegible]

ARCHITECT
JAIRAM PRASAD
Urban Development & Housing Dept.
Govt. of Bihar
Empanelment No. CH/2015/10

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