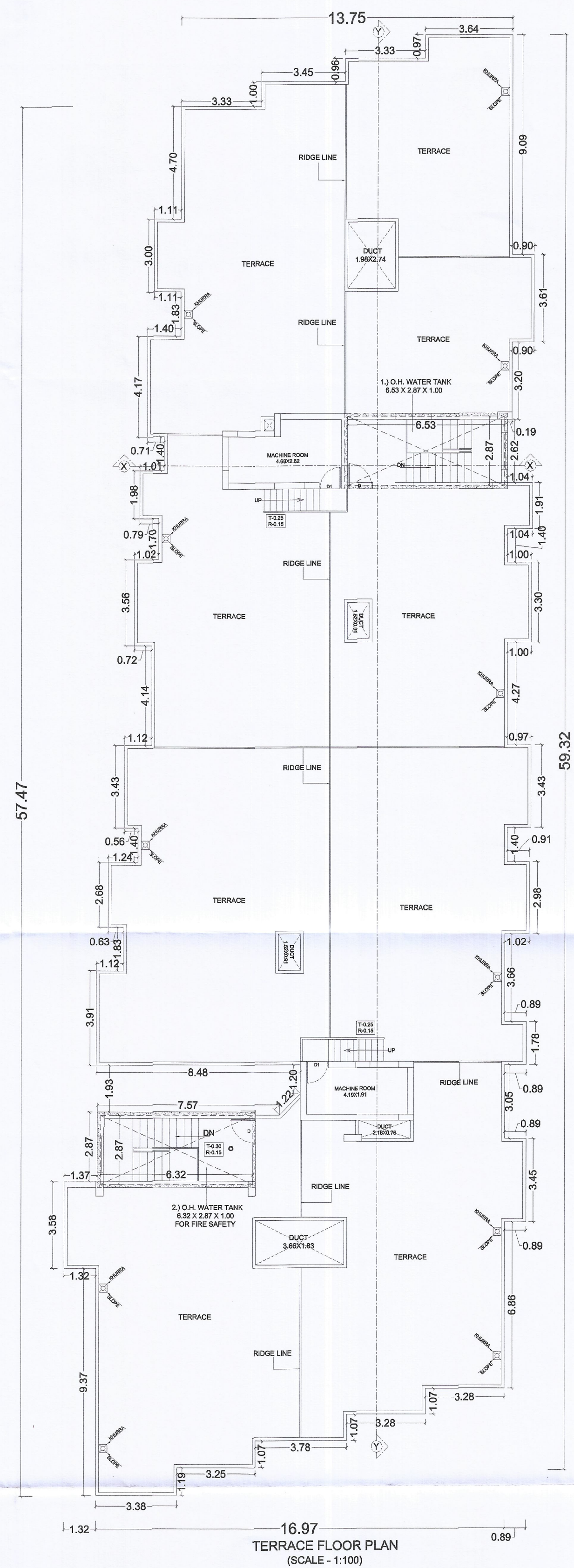




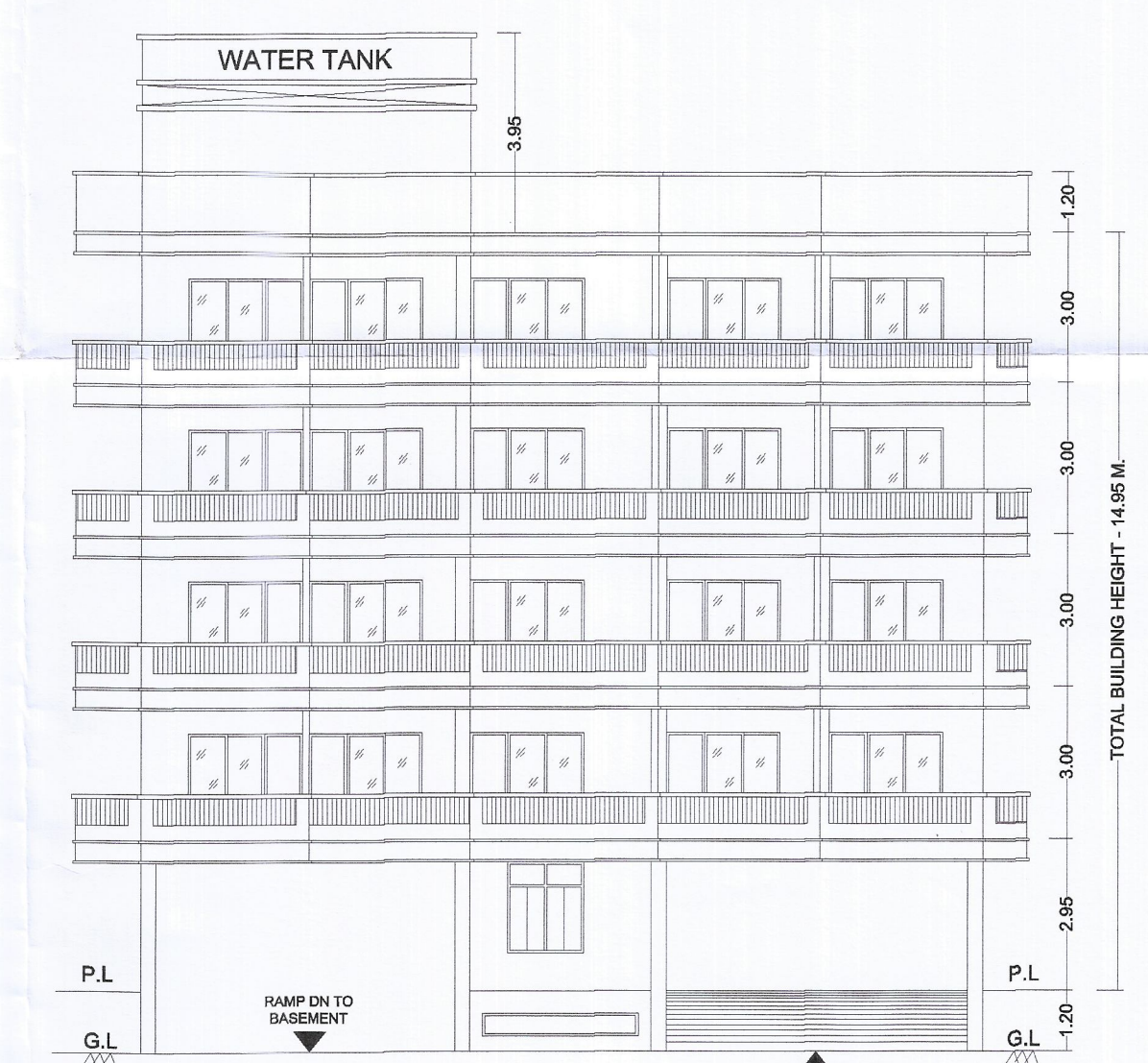
16.97
TERRACE FLOOR PLAN
(SCALE - 1:100)



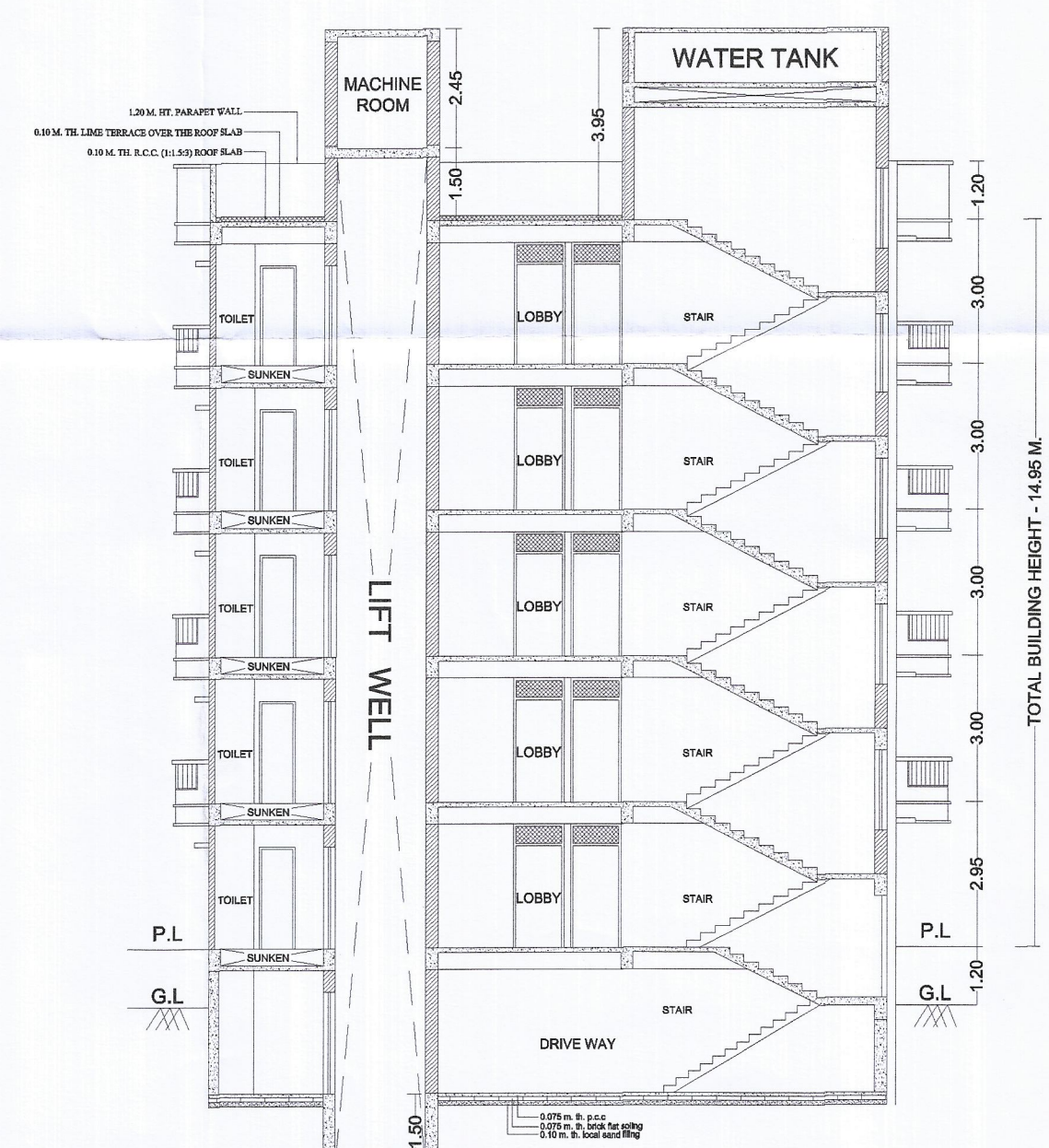
SIDE ELEVATION
(SCALE - 1:100)



SECTION - Y-Y
(SCALE - 1:100)



FRONT ELEVATION
(SCALE - 1:100)



SECTION - X-X
(SCALE - 1:100)

:- FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 50,000 LTRS. CAP.	50,000 LTRS.
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	HW
4.	HOSE REEL	HR
5.	MANUAL CALL ALARM POINT	MCAP
6.	FIRE EXTINGUISHER CO2 TYPE	CE
7.	ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
8.	SIAMESE CONNECTION	SC
9.	EMERGENCY LIGHTING SYSTEM	ELS
10.	FIRE SPRINKLER	S
11.	SMOKE DETECTOR	ASD
12.	YARD HYDRANT	YH
13.	O.H.W.TANK FOR FIRE FIGHTING 10000LTR CAP.	10000LTR CAP.

WATER TANK CALCULATION
FOR RESIDENTIAL :-
TOTAL NO. OF FLAT - 36
ASSUME 5 PERSON/FLAT REQ. = 36X5 = 180 PERSON
ADD 20 % EXTRA = 216 PERSON
TOTAL NO. OF PERSON = 216 PERSON
ASSUME 135 LTR. WATER CONSUMPTION/PERSON/DAY
= 216 X 135 = 29,160 LTR. (FOR FIRE FIGHTING)
= 34160 LTR. = 34.16 CUM.
TOTAL WATER TANK SIZE REQUIRED = 34.16 CUM.
TOTAL SIZE OF WATER TANK PROVIDED
1) 6.53 X 2.87 X 1.00 = 18.74 CUM.
2) 6.32 X 2.87 X 1.00 = 18.14 CUM.
TOTAL WATER TANK SIZE PROVIDED = 36.88 CUM

SEPTIC TANK CALCULATION
FOR RESIDENTIAL :-
TOTAL NO. OF FLAT - 36
ASSUME 5 PERSON/FLAT REQ. = 36X5 = 180 PERSON
ADD 20 % EXTRA = 216 PERSON
TOTAL NO. OF PERSON = 216 PERSON
CAPACITY OF SEPTIC TANK REQUIRED @ 0.085 cum.
/PERSON/DAY = 216 X 0.085 = 18.36 cum
TOTAL SIZE OF SEPTIC TANK REQUIRED = 18.36 Cum
PROVIDED SIZE OF SEPTIC TANK
= (4.00 X 2.00 X 2.50) = 20.00 CUM

RAIN WATER HARVESTING CALCULATION.
TOTAL TERRACE AREA = 839.68 SQM.
RECHARGE PIT CAPACITY @ 6 CUM FOR 100 SQM.
SO, 839.68 SQM. REQUIRED RECHARGE PIT AREA
= 8.39 X 6 = 50.34 CUM
RECHARGE PIT SIZE PROVIDED
= 4.00 X 3.00 X 5.00 = 60.00 CUM

PROJECT:-
PROPOSED RESIDENTIAL BUILDING PLAN FOR
1) SRI RANJEET KUMAR SINHA
ALIAS RANJEET KUMAR
2) SRI AMIT KUMAR

MAUZA - JAMSAT, P.S. - DANAPUR,
THANA NO. - 30, TAUZI NO. - 4947,
KHATA NO. - 181, S.PLOT NO. - 2088,
DIST. - PATNA(BIHAR).

M/S NUTAN CONSTRUCTION
PARTNERS
SRI SANJAY KUMAR SINHA
S/O SRI DHARMENDRA PRASAD SINGH

Signature of Land Owner: *Amritho*
Signature of Arch./Eng.: *Shailesh Ranjan*
Et. Shailesh Ranjan
B.Sc.(Engg) Civil, M.I.E
Emp.No. ER/19/16
P.M.C. Patna

Signature of Owner/Developer: *For Nutan Construction*
Signature of STR. ENG.: *Shailendra Kumar*
Shailendra Kumar
Structural Engineer
Emp.No. ER/19/16
Patna Municipal Corporation

Patna Metropolitan Area Authority
Sanction of Plan case no. PMA/P/2023/1111 dated 28.10.2016 on Date 19.03.2023
accorded under
Development Control Regulations for Patna
Master Plan 2031 (Byelaws no 8(4) of Bihar Building
Byelaws 2014) vide notification no 831/832
dated 28.10.2016 on Date 19.03.2023

बिहार भू-संवर्धन (विनियमन विकास)
नियमवली, 2017 की शर्तों के अधीन
राज्य में गठित विनियमन प्राधिकरण
से इस परियोजना का निबंधन
अनिवार्य होगा।

Signature of Owner/Developer: *Sanjay Kumar Sinha*
Signature of STR. ENG.: *Shailendra Kumar*
Shailendra Kumar
Structural Engineer
Emp.No. ER/19/16
Patna Municipal Corporation