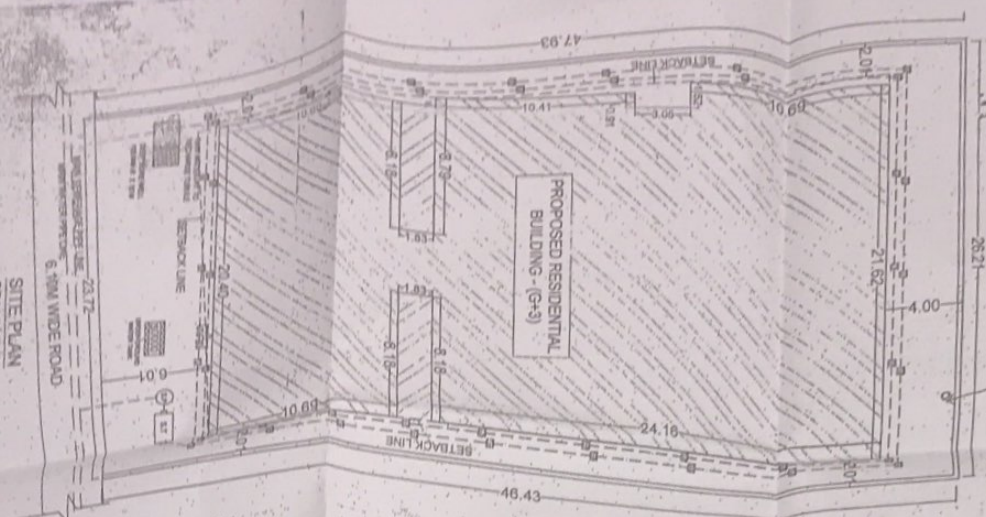




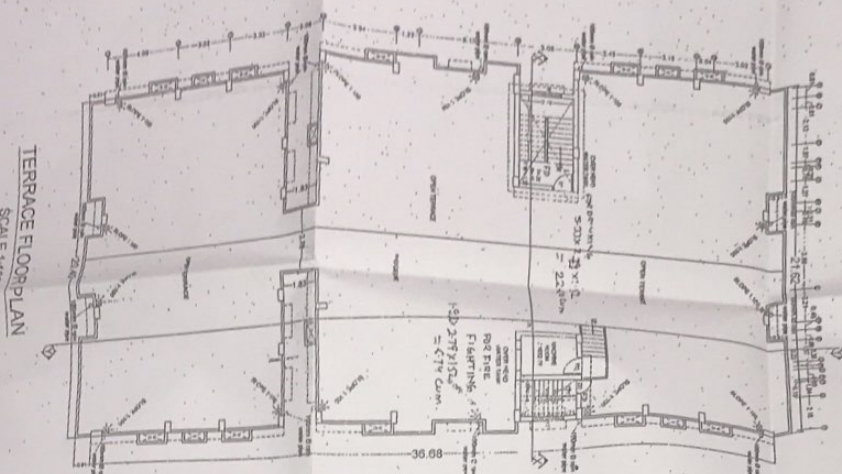
RAIN WATER HARVESTING

LOCATION PLAN
(N.T.S.)

KEY PLAN



SITE PLAN



TERACE FLOOR PLAN
SCALE 1/4" = 1'-0"

LEGEND FOR FIRE FIGHTING.

- 1) FIRE RESISTANT DOOR
2) FIRE HYDRANT
3) HOSE REEL
4) UNDERGROUND WATER STATIC TANK WITH
AUTOMATIC REFILLING ARRANGEMENT FOR
FIRE FIGHTING.
5) FIRE EXTINGUISHER
(CO₂ TYPE ISI MARKED)
6) MANUAL CALL POINT
7) ILLUMINATED EXIT DIRECTIONAL SIGN
8) DISASTER CONNECTION
9) AUTOMATIC INDICATOR PANEL
10) ALARM SYSTEM AS
11) AUTOMATIC ALARM SYSTEM
12) SMOKE SENSITIVE SYSTEM
13) SMOKE DETECTOR
14) FOUNDATION - R.C.C. UNIFORM GRADE PILE FOUNDATION AS STRUCTURE
DESIGN
15) SUPER STRUCTURE - 1ST CLASS BRICK WORK IN SUPER STRUCTURE
WITH CEMENT MORTAR
16) PLUMBING - HEIGHT P. LAY & L.O. AS SHOWN IN SECTION.
17) FLOORING - 25mm TH. MASIC FLOORING OVER 125mm TH. DRY
RAMMED KNOA OVER 75mm TH. B.S. 5 OVER SAND FILLING
18) DOORS - CHOKWATS OF DOOR TO BE GALVACOAL S
19) WINDOWS - ALL WINDOWS TO BE FULLY GLAZED IN STEEL
100mm TH. R.C.C. SLAB, 100 mm TH. AVG. LIME
TERACING OVER
20) PASTER - 12mm TH. CEMENT PASTER ON BOTH SIDE OF WALL
21) COLOUR - COLOUR OR WHITE WASH AS CHOICE

OCCUPANT LOAD RESIDENTIAL

TOTAL NO OF FLATS = 18 FLATS
5 PERSON / FLAT
TOTAL NOS OF PERSON = 18X5 = 90 PERSONS.

WATER SUPPLY CALCULATION

TOTAL NO. OCCUPANTS = 80
REQUIRED SIZE OF WATER TANK @ 135 LITERS / PERSONS / DAY
= 80 X 135 LITERS = 10800 LITERS = 16.16 CUM
PROVIDED SIZE OF OVER HEAD WATER TANK
WATER TANK-1
S.303 X 278 X 152 = 12.69 CUM = 22630 LITER
WATER TANK-2
1.91X270X152 = 6.74 CUM = 6735 LITERS
TOTAL = 22630+6735 = 29365 LITER = 383.40 CUM

SEPTIC TANK CALCULATION

TOTAL NOS OF OCCUPANT 80 PERSONS
REQUIREMENT OF SEPTIC TANK FOR 80 PERSONS
@ 0.067 CUM PER PERSONS PER DAY = 90 X 0.067 = 7.83 CUM
DETAILED SIZE OF SEPTIC TANK -
L 3.0 X W 2.0 X H 1.50 X 2 = 18.00 CUM = 18000 LITER

AREA CALCULATION

TOTAL PLAT AREA	= 1133.97 SQMT
GROUND FLOOR BUILT UP AREA	= 28.17 SQMT
FIRST FLOOR BUILT UP AREA	= 741.63 SQMT
SECOND FLOOR BUILT UP AREA	= 741.63 SQMT
THIRD FLOOR BUILT UP AREA	= 741.63 SQMT
TOTAL BUILT UP AREA	= 2253.06 SQMT

-FAR CALCULATION
$$FAR = \frac{\text{TOTAL BUILT UP AREA}}{\text{TOTAL PLOT AREA}} = \frac{2253.06}{1133.97} = 1.99$$

PARKING CALCULATION RESIDENTIAL

TOTAL BUILT UP AREA = 2253.06 S.OMT
PARKING AREA REQUIRED = 25% OF 2253.06 S.OMT
= 563.27 S.OMT (REQUIRED)
PARKING AREA PROVIDED = 600 (IND) + 705.02 S.OMT

NOTE:- 16,000LTR. ADDITIONAL WATER TANK FOR FIRE FIGHTING PURPOSE.

PROPOSED RESIDENTIAL

MAUZA - MUSTAFAPUR
C.S PLOT NO - 660
THANA NO - 36
TAUZI NO - 5276
KHATA NO - 201
P.S + SUB REGISTRY OFFICE
- DANAPUR
DIST. - PATNA

NAME OF OWNER

PATWARI PROJECTS
REGN. NO. 269 DATE 02/05/2017
ON BEHALF OF S.H. DAMODAR SINGH
AND OTHERS.

SIGNATURE OF OWNER

41 mg a.i. / fl^{oz}
Juniperus communis *Retz.*
 CHINESE JAPANESE
 PERFUMES
 REG. IN P.D.N.
 924177

SIGNATURE OF ENGINEER	SIGNATURE OF ARCHITECT
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E. MANOJ KUMAR
STRUCTURAL ENGINEER
License No. 4532722/TP/01
Higher Technical Drawing Diploma