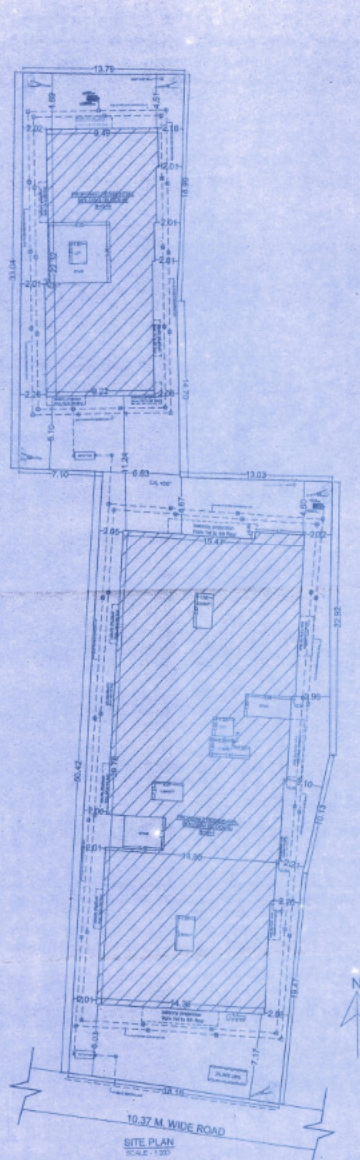
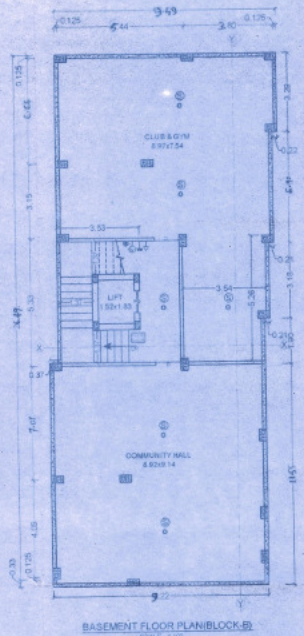
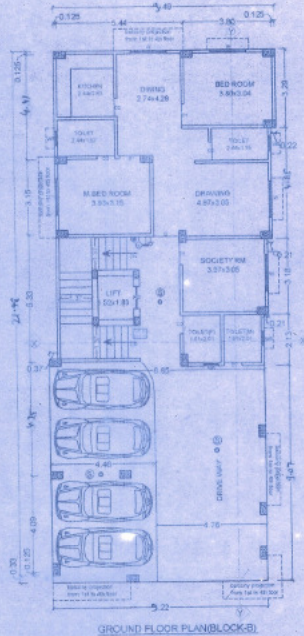
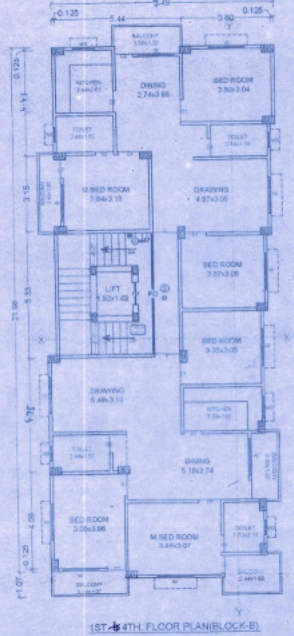
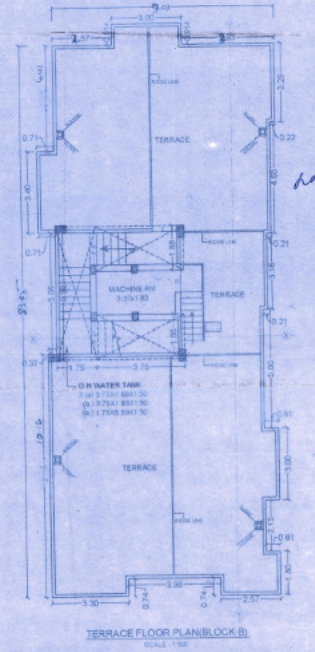




WATER TANK CALCULATION

NOS. OF FLAT = 24 (BLOCK-A)
NOS. OF FLAT = 9 (BLOCK-B)
TOTAL NOS. OF FLAT = 24+9 = 33
ASSUME 5 PERSONS/FLAT REQ. 33X5 = 165
TOTAL NOS. OF PERSON = 165
ADD 20% EXTRA = 198 PERSON
ASSUME 135 LTR WATER CONSUMPTION/PER/DAY
= 198 X 135 = 26730 LTR FOR FIRE FIGHTING
= 26730 + 5000 LTR = 31730 LTR = 31.73 CUM
TOTAL SIZE OF WATER TANK PROVIDED
1) 4.29X3.26X1.50 = 20.61 CUM
2) 5.03X2.34X1.50 = 17.85 CUM
3) (a) 3.75X1.88X1.50 = 10.57 CUM
(b) 3.75X1.88X1.50 = 10.57 CUM
(c) 1.75X5.59X1.50 = 14.67 CUM
TOTAL = 74.57 CUM

SEPTIC TANK CALCULATION

NOS. OF FLAT = 24 (BLOCK-A)
NOS. OF FLAT = 9 (BLOCK-B)
TOTAL NOS. OF FLAT = 24+9 = 33
ASSUME 5 PERSONS/FLAT REQ. 33X5 = 165
TOTAL NOS. OF PERSON = 165
ADD 20% EXTRA = 198 PERSON
CAPACITY OF SEPTIC TANK FOR 198 PERSON
@ 0.085 M³/PERSON / DAY
198 X 0.085 = 16.83 CUM
PROVIDED SIZE OF SEPTIC TANK
= (2.00X2.00X2.00X2) = 24.00 CUM

RAIN WATER HARVESTING CALCULATION

TOTAL PLOT AREA = 1451.97 SQM
RECHARGE PIT CAPACITY @ 8 CUM FOR 100 SQM
SO 1451.97 SQM. REQUIRED RECHARGE PIT
AREA = 14.52X8 = 87.12 CUM
RECHARGE PIT SIZE PROVIDED
= 13.5.00X3.00X3.00 = 45.00 CUM
2) 5.00X3.00X3.00 = 45.00 CUM
TOTAL = 90.00 CUM

SPECIFICATION	
1. FOUNDATION - AS PER FOUNDATION	
2. SUPER STRUCTURE - 10 CLASS BRICK WORK IN CONCRETE MORTAR 1:8	
3. FLOORING - 300 THK. P. 8 FLOORING OVER 15 DRY HANDED HYDRA OVER ONE LAYER BRICK FLAT SOLING OVER LOCAL SAND FILLING	
4. P. 8 WORK - 150 THK. OVER SAND FILLING	
5. 1:1.5 - 300 THK. OVER SAND FILLING	
6. TERRACING - WITH ALUMINUM LIME TERRACING OVER 30 THK. C. C. ROOF SLAB	
7. PLASTER - 1:3 TO TERRACING PLASTER ON BOTH SIDE WALLS & ONE COAT PLASTER ON CEILING	
8. ROOFING - 15 CM THK. & 30 CM DEEP PUCCA DRAIN IN THE BUILDING	
9. ROOFING - AS PER CHOICE	
FIRE LEGEND	
1. UNDER GROUND WATER TANK OF 20000 LTRS. CAP	FD
2. FIRE RESISTANCE DOOR	FD
3. FIRE HYDRANT SYSTEM	FD
4. HOSE REEL	FD
5. MANUAL CALL ALARM POINT	FD
6. FIRE EXTINGUISHER CO2 TYPE	FD
7. ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
8. STAIRCASE CONNECTION	EXIT
9. EMERGENCY LIGHTING SYSTEM	EXIT
10. FIRE SPRINKLER	EXIT
11. SMOKE DETECTOR	EXIT

PROJECT -
PROPOSED RESIDENTIAL BUILDING FOR
SRI BISHWAJET KUMAR SINHA,
S/o- LATE SHIVDHARI SINHA
PLOT NO - 339, KHATA NO - 207,
TAUZI NO - 5292, THANA NO - 22,
MAUZA - JALALPUR,
MOH - ABHIMANYU NAGAR, P.S - KHAGAU,
DIST - PATNA (BIHAR).

DEVELOPER - M/S PATILPUTRA ENGINEERS PVT. LTD.

ER. PANKAJ KR. KARN
EMERGENCY ENGINEER
Emp. No. 07/ST/LE/2015/NP/ON
NAGAR PARISHAD DANAPUR NIZAMAT

ER. PRATIK KR. KARN
STRUCTURAL ENGINEER
Reg. No. 07/ST/LE/2015/NP/ON
NAGAR PARISHAD DANAPUR NIZAMAT

SIGNATURE OF OWNER: *[Signature]*
SIGNATURE OF STR. ENGR: *[Signature]*
This is to certify that the plan is verified by me and found to be correct according to the rules and regulations.

Building Plan No. 440/17-18
Nizamat Danapur, Patna, Bihar

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