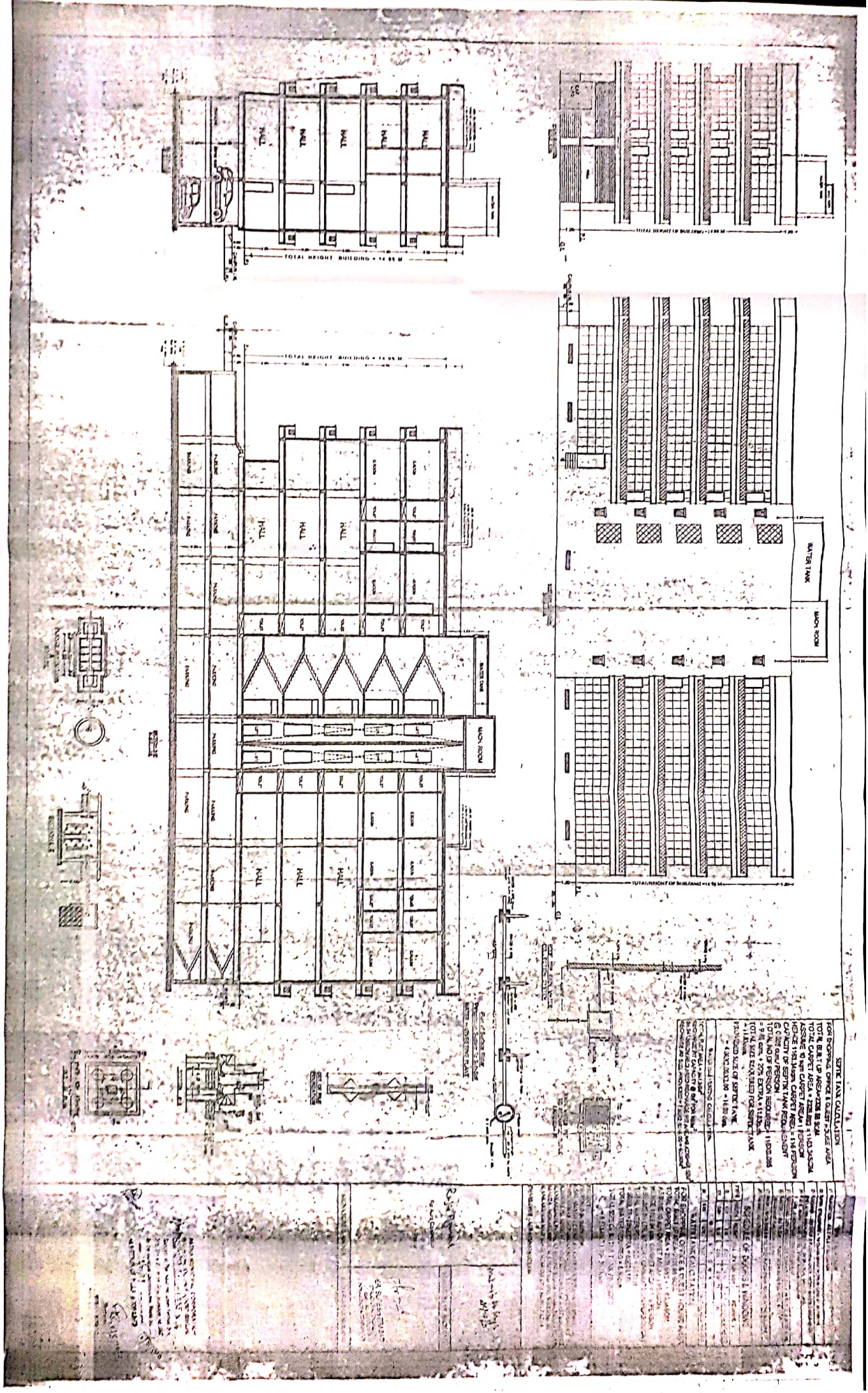


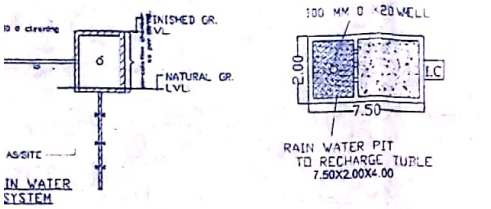
Scanned with CamScanner

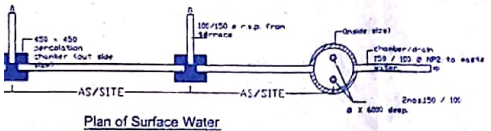
SEPTIC TANK CALCULATION.

FOR SHOPPING, OFFICE & GUEST HOUSE AREA
TOTAL BUILT UP AREA=2326.68 SQM.
TOTAL CARPET AREA = 2326.68/2 = 1163.34SQM.
ASSUME 10 sqm CARPET AREA= 1 PERSON
HENCE 1163.34sqm. CARPET AREA = 116 PERSON
CAPACITY OF SEPTIK TANK REQUIRENENT
@ 0.085 cum./ PERSON
TOTAL NO OF PERSON REQUIRED= 116X0.085
= 9.86 cum. + 20% EXTRA = 11.83cum.
TOTAL SIZE REQUIRED FOR SEPTIC TANK
= 11.83cum.
PROVIDED SIZE OF SEPTIC TANK
= 4.00X2.00X2.00 = 16.00 cum.

WATER HARVESTING CALCULATION.

TOTAL PLOT AREA = 941.56M^2
RECHARGE PIT CAPACITY @ 6M^3 FOR 100M^2
So,941.56SQM REQUIRED RECHARGE PIT AREA=9.42X6=56.52M^3
RECHARGE PIT SIZE PROVIDED = 7.50X2.00X4.00 = 60.00M^3





Plan of Surface Water
Percolation System To Sub-Soil
WATER HARVESTING PLANT

SPECIFICATION

(1) FOUNDATION :- R.C.C. PILE FOUNDATION
(2) SUPER STRUCATURE :- 1st CLASS BRICK WORK IN CEMENT MORTER 1:6
(3) FLOORING :- 025 THK P.C.C FLOORING OVER 10 DRY RAMMED KHOA OVER ONE LAYER BRIK FLAT SOLING OVER LOCAL SAND FILLING
(4) R.C.C. WORK :- SLAB, LINTEL, STAIR, BEAM & CHAJJA IN 1 1-1/2 .3 WITH PROPER BEN FOR CEMENT
(5) TERRACING :- .10TH AVERAGE LIME TERRACING OVER R .10 TH R.C.C. ROOF SLAB
(6) PLASTER :- 012 TH CEMENT PLASTER ON BOTH SIDE WALL & .008 CEMENT PLASTER ON CELING
(7) DRAIN :- 13 CM WIDE & 30 CM DEEP PUCCA DRAIN ROUND IN THE BUILDING
(8) COLOUR :- AS PER CHOICE

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL LEV	LIN LEV	REMARK
D	1.07	2.13	0.00	2.13	FULLYPANELLEDDOORS
D1	0.91	2.13	0.00	2.13	DO
		W I N D O W S			
W	0.61	0.76	1.37	2.13	FULLY GLAZED WINDOW

WATER TANK CALCULATION.

FOR SHOPPING, OFFICE & GUEST HOUSE AREA
TOTAL BUILT UP AREA=2326.68 SQM.
TOTAL CARPET AREA = 2326.68/2 = 1163.34SQM.
ASSUME 10 sqm CARPET AREA= 1 PERSON
HENCE 1163.34 sqm. CARPET AREA = 116 PERSON
ASSUME 50 LTR. WATER CONSUMPTION/PERSON/DAY
TOTAL WATER REQUIRED = 50X116
= 5800LTR+20%EXTRA = 6960 LTR.
TOTAL WATER REQUIRED = 6.96cum.
TOTAL SIZE OF WATER TANK PROVIDED
= 6.53X4.01X1.00= 26.18cum

PROJECT:-
PROPOSED BUILDING FOR,
1)SRI. AMARJEET SINGH S/o -LATE ACHYUTANAND SINGH,
2)SRI KUMAR BRIJNANDAN SINGH S/o- LATE SACCHIDANAND KISHORE PD. SINGH AT HAVING RESIDENCE OF EAST LOHANIPUR, KANKARBAGH, PATNA, AT HAVING KHATA NO-166,THANA NO-137, MAUZA - MOHARRAMPUR, M.S PLOT No- 1380, WARD No- 03, KANKARBAGH MAIN ROAD, NEAR COLONY MORE, PATNA

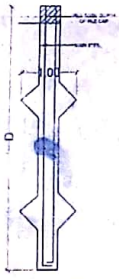
DEVELOPER - AURA CONSTRUCTION

Rajiv Agarwal
For Aura Construction
Partner

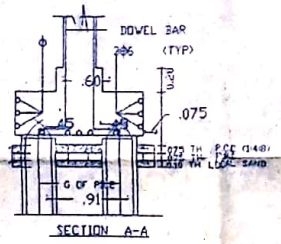
SIGNATURE OF ARCH./ENG.

ER. SURESH PRASAD
(STRUCTURAL ENGINEER)
EMP. NO.-SE/07/2 015
PATNA MUNICIPAL CORPORATION

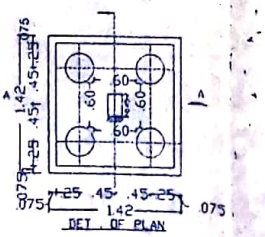
SIGNATURE OF OWNER | SIGNATURE OF STR. ENG.



DET. OF PILE FOUNDATION



SECTION A-A



DET. OF PLAN

PATNA MUNICIPAL CORPORATION
PATNA REGIONAL DEVELOPMENT AUTHORITY (DISSOLVED)
Case No. P/Kankarbagh-PRD-Bzt(H)/235...26...16...
Sanction of Plan Accorded under Section 314, 315, 316 & 317 of the Bihar Municipal Act 2007 by the Municipal Commissioner, Patna on.....
18/01/19.....
SANCTION OF PLAN ACCORDED

12/5/2020

12/5/2020

02/02

Scanned with CamScanner