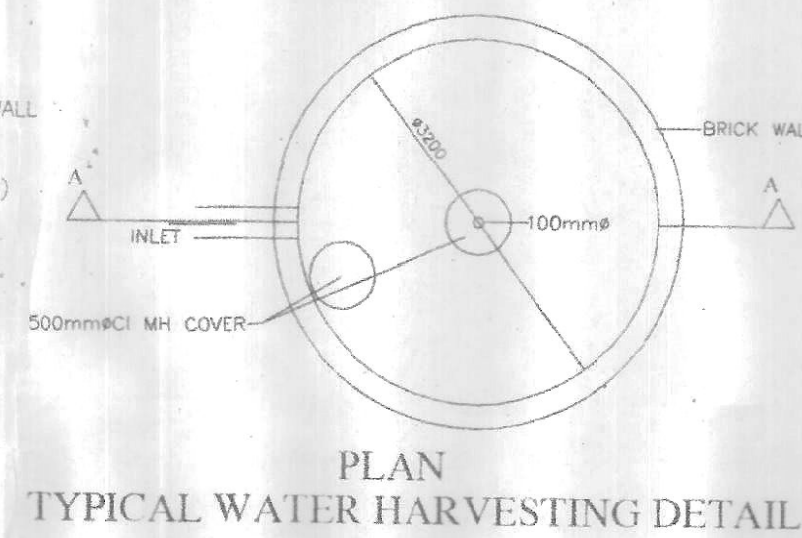
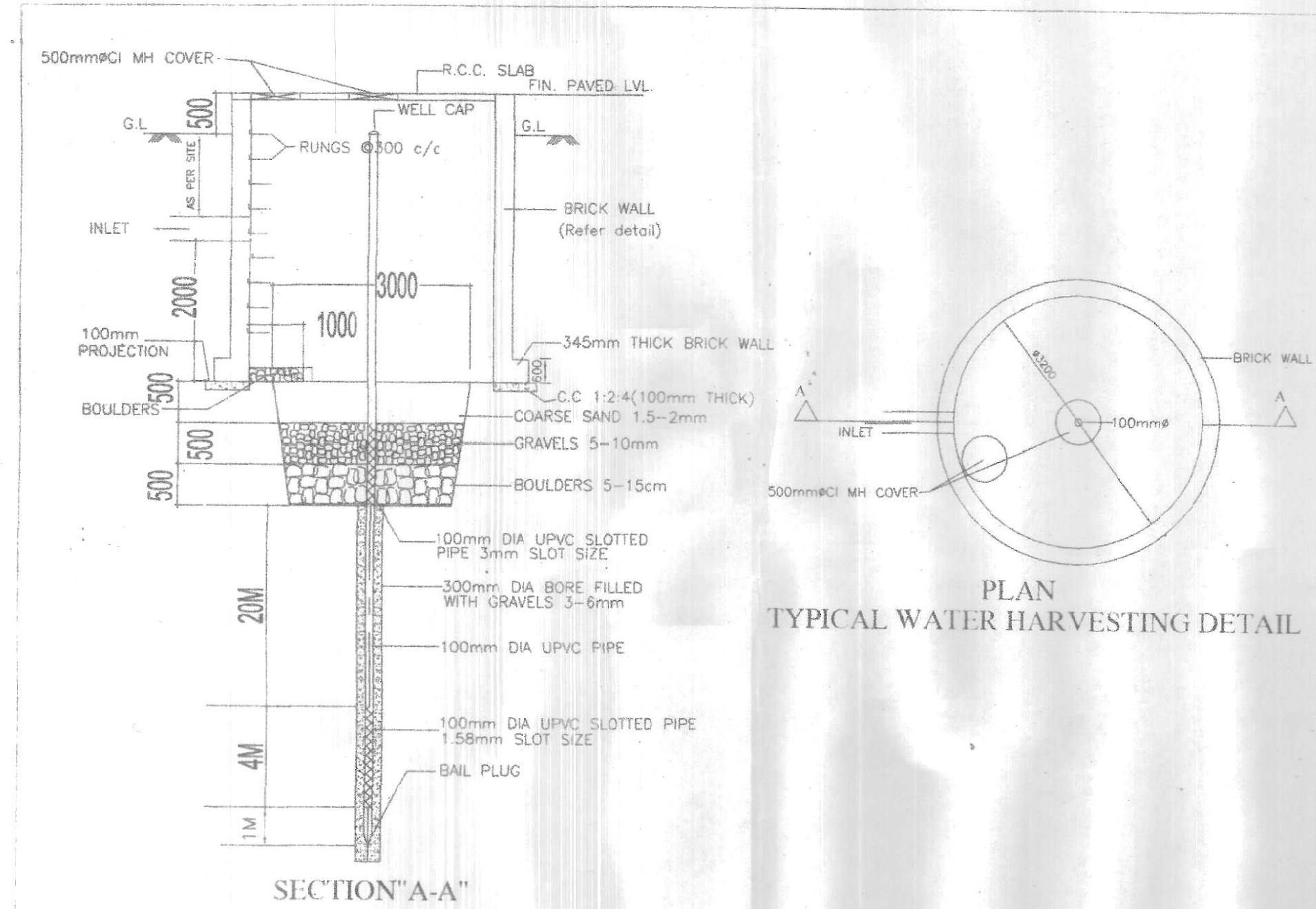




SEPTIC TANK CALCULATION BLOCK-A

TOTAL NO. OF FLAT = 25 NOS
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 25 X 5 = 125
ONE PERSON REQ. AREA = 0.085 CU M/DAY
TOTAL REQ. AREA = 125 X 0.085 = 10.62 CU M/DAY
PROVIDE AREA OF SEPTIC TANK
(SIZE) = 5.0 X 2.0 X 1.52 FB
TOTAL AREA OF SEPTIC TANK = 15.52 CU M

SEPTIC TANK CALCULATION BLOCK-B

TOTAL NO. OF FLAT = 132
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 132 X 5 = 660
ONE PERSON REQ. AREA = 0.085 CU M/DAY
TOTAL REQ. AREA = 660 X 0.085 = 56.10 CU M/DAY
PROVIDE AREA OF SEPTIC TANK
(SIZE) = 8.0 X 2.0 X 1.52 FB
TOTAL AREA OF SEPTIC TANK = 24.32 CU M

WATER TANK CALCULATION BLOCK-A

TOTAL NO. OF FLAT = 25 NOS
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 25 X 5 = 125
ONE PERSON REQ. WATER = 135 LTR/DAY
TOTAL REQ. WATER = 125 X 135 = 16875 LTR/DAY
TOTAL REQ. AREA OF WATER TANK = 16.87 CU M
PROVIDE AREA OF WATER TANK
(SIZE) = 5.5 X 3.0 X 1.52 FB = 25.08
OVER HEAD WATER TANK FOR FIRE- 10000 LTRS

WATER TANK CALCULATION BLOCK-B

TOTAL NO. OF FLAT = 132 NOS
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 132 X 5 = 660
ONE PERSON REQ. WATER = 135 LTR/DAY
TOTAL REQ. WATER = 660 X 135 = 89100 LTR/DAY
TOTAL REQ. AREA OF WATER TANK = 89.10 CU M
PROVIDE AREA OF WATER TANK
(SIZE) = 6.5 X 3.0 X 1.52 FB = 25.08
OVER HEAD WATER TANK FOR FIRE- 10000 LTRS

AREA CALCULATION

AREA STATEMENT BLOCK-A

GROUND FLOOR B/U AREA = 47.02 SQM
FIRST FLOOR B/U AREA = 519.15 SQM
2ND FLOOR B/U AREA = 519.15 SQM
3RD FLOOR B/U AREA = 519.15 SQM
4TH FLOOR B/U AREA = 519.15 SQM
5TH FLOOR B/U AREA = 519.15 SQM
TOTAL FLOOR B/U AREA = 2642.77 SQM

AREA CALCULATION

AREA STATEMENT BLOCK-B

BASEMENT FLOOR B/U AREA = 15.00 SQM
GROUND FLOOR B/U AREA = 709.77 SQM
FIRST FLOOR B/U AREA = 2695.00 SQM
2ND FLOOR B/U AREA = 2695.00 SQM
3RD FLOOR B/U AREA = 2695.00 SQM
4TH FLOOR B/U AREA = 2695.00 SQM
5TH FLOOR B/U AREA = 2695.00 SQM
TOTAL FLOOR B/U AREA = 14199.77 SQM
TOTAL B/U AREA BLOCK-A + B = 16842.54 SQM

AREA STATEMENT AFFORDABLE HOUSING

GROUND FLOOR B/U AREA = 421.06 SQM
FIRST FLOOR B/U AREA = 421.06 SQM
2ND FLOOR B/U AREA = 421.06 SQM
3RD FLOOR B/U AREA = 421.06 SQM
4TH FLOOR B/U AREA = 421.06 SQM
5TH FLOOR B/U AREA = 421.06 SQM
TOTAL B/U AREA = 2526.36 SQM

TOTAL PLOT AREA AS/ DEED = 6827.756 SQM.
TOTAL PLOT AREA AS/ SITE = 6737.027 SQM.

TOTAL B/U AREA BLOCK - A + B
= 2642.77 + 14199.77
= 16842.54 SQM.

PERMISSIBLE F.A.R - 2.50
PROPOSED F.A.R - 2.49
AFFORDABLE HOUSING FAR 15% OF 2.5 = .375
TOTAL PERMISSIBLE F.A.R - 2.5 + .375 = 2.875

PROPOSED F.A.R - 16842.54 + 2526.36 = 19368.90
= 19368.90 SQM / 6737.027 = 2.874

WATER HARVESTING CALCULATION

100 SQM- 6 CUM REQUIRED
TOTAL TERRACE AREA - 3635.21 SQM
3635.21 / 100 = 36.35 X 6 = 218.10 CUM.

PARKING CALCULATION

TOTAL BUILT UP AREA BLOCK-A+B- 16842.54 SQM.
REQUIRED PARKING - 16842.54 OF 25% - 4210.635 SQM
PROVIDED PARKING AREA IN BASEMENT BLOCK-B- 1519.74 SQM.
PROVIDED PARKING AREA IN GROUND FLOOR BLOCK-B- 2275.41 SQM.
PROVIDED PARKING AREA IN GROUND FLOOR BLOCK-A 472.13
BLOCK-B 1519.74 SQM + 2275.41 SQM + BLOCK-A 472.13 SQM
TOTAL PARKING AREA PROVIDED = 4267.28 SQM.

PARKING CALCULATION FOR AFFORDABLE HOUSING

TOTAL NO. OF FLAT - 48 NOS.
ONE FLAT REQUIRED 1 TWO WHEELER PARKING
TOTAL PARKING REQUIRED - 48 NOS.
1 TWO WHEELER REQUIRED 1.25 SQM. (REF. N.B.C 2005, TABLE NO-4, SL.NO-10.3 (b))
TOTAL REQUIRED AREA - 48 X 1.25 = 60.00 SQM.
PROVIDE TWO WHEELER PARKING AREA - 150.00 SQM.
TOTAL PARKING AREA PROVIDED 4267.28 SQM + 150.00 SQM = 4417.28 SQM

GREEN AREA- 10% OF 6737.027=673.70 SQM

WATER TANK CALCULATION (AFFORDABLE HOUSING)

TOTAL NO. OF FLAT = 48 NOS
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 48 X 5 = 240
ONE PERSON REQ. WATER = 135 LTR/DAY
TOTAL REQ. WATER = 240 X 135 = 32400 LTR/DAY
TOTAL REQ. AREA OF WATER TANK = 32.40 CU M
PROVIDE AREA OF WATER TANK
(SIZE) = 6.5 X 3.0 X 1.52 FB = 25.08
OVER HEAD WATER TANK FOR FIRE- 10000 LTRS

SEPTIC TANK CALCULATION (AFFORDABLE HOUSING)

TOTAL NO. OF FLAT = 48 NOS
ONE FLAT 5 PERSON
TOTAL NO. OF PERSON = 48 X 5 = 240
ONE PERSON REQ. AREA = 0.085 CU M/DAY
TOTAL REQ. AREA = 240 X 0.085 = 20.40 CU M/DAY
PROVIDE AREA OF SEPTIC TANK
(SIZE) = 5.0 X 2.0 X 1.52 FB
TOTAL AREA OF SEPTIC TANK = 15.52 CU M

SPECIFICATION

- R.C.C UNDER REMMED PILE FOUNDATION AS PER DETAIL GIVEN IN THIS DRAWING
- 1ST CLASS BRICK WORK IN CEMENT MORTER (1:8) IN SUPER STRUCTURE
- HEIGHT OF PLINTH FLOOR AREA SHOWN IN SECTION.
- 0.031 P.S. FLOORING OVER 0.75 DRY REMMED KHOA OVER FLAT BRICK SOLING OVER LOCAL SAND FILLING.
- 0.050 TH D.P.C. ON P.L. ALL ROUND THE BUILDING.
- 0.110 TH LIME CONCRETE OVER 0.100TH R.C.C. SLAB.
- 0.15 TH R.C.C. BAND AT DOORS & WINDOWS OPENINGS.
- 0.12 CEMENT PLASTER ON BOTH SIDE OF WALL.
- WHITE & COLOUR WASH AS PER CHOICE.

FIRE LEGEND

SL.NO.	SYMBOL	DESCRIPTION
1	FD	FIRE RESISTANCE DOOR OF 1.2 HR. FIRE RATING
2	HD	HYDRANT
3	HR	HORSE REIN.
4	CO2	IS MARKED FIRE EXTING.
5	END	END SIGN ILLUMINATED
6	SL	SLAB/ST. CONNECTION
7	100,000	UNDER GROUND WATER STATIC TANK OF 100,000 LTR. CUM
8	10,000	OVER HEAD WATER STATIC TANK OF 10,000 LTR. CUM
9	CALL	MANUAL CALL ALARM POINT
10	EL	EMERGENCY LIGHT

PROPOSED RESIDENTIAL APARTMENT BUILDING FOR DEEP SHITAL ENGINEERS PVT. LTD.
DIRECTOR- SRI NEERAJ KUMAR S/O SRI BINDESHWAR PRASAD SINHA AT MAUZA- JAMSAUT PLOT NO-2106,2108, 2109, KHATA NO- 73, 19, 30, TAUKI NO- 5171, THANA NO- 30, THANA- DANAPUR, DIST:- PATNA.

NORTH SCALE 1:100 1:200 DRG.NO. 01/04

Dr. Chandan Kumar
Nagar Parishad Danapur Nizam
SIGN OF ARCHITECT

Dr. Vijay Kumar
Structure Engineer
Lic-No-01/STRE/2015/NPDN
SIGN OF STR. ENGINEER

Deep Shital Engineers Pvt. Ltd.
Managing Director
SIGN OF OWNER

Ar. Arun Kumar
Regd. No-CA/90/12806
Council of Architecture
Empanelment No-04/ARCH/NPDN/18
Nagar Parishad Danapur Nizam (Patna)
SIGN OF ARCHITECT

Dr. Chandan Kumar
Nagar Parishad Danapur Nizam

Building Plan No. 53/20-21
निम्नलिखित जमीन के साथ सम्बंधित पट्टा, अधिकांश 30 गुणगां के आधार पर भवन मानचित्र की स्वीकृति दी जाती है। सरकारी या किसी दूसरे के जमीन का अधिकांश नहीं करना होगा तथा वह प्लॉट सरकारी के लिए नियत मानचित्र 2014 के अनुसार अपनी जमीन में बना होगा। भवन भू-कंपरेटोरी दस्तावेज होगा तथा भवन भवन से सरकारी गांजा दफ्तार जमा बिकाली हेतु अपने खर्च से नाली निर्माण करना होगा। सरकारी पानी नाली के लिए प्लॉट पर व्यवस्था करना होगा। भवन भू-कंपरेटोरी नियमित रखने की जिम्मेदारी भवन मानचित्र स्वतः पर संभाला जायेगा एवं भवन खड़े किये गये कनास्ट्रक्चर भवन मानचित्र में मानचित्र की स्वीकृति केवल तीन वर्ष के लिए मान्य होगी। भवन में आवस्यत होने को पूर्व Comm'n Certificate/Occupancy Certificate का अनिवार्य होगा।

Dr. Chandan Kumar
Nagar Parishad Danapur Nizam

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