

COMMERCIAL BUILDING OCCUPANT LOAD

TOTAL NO OF PERSONS = 356 PERSONS

FOR RESIDENTIAL & COMMERCIAL

NOS. OF FLAT = 51
 ASSUME 5 PERSON / FLAT REQ. $51 \times 5 = 255$
 TOTAL NOS. OF PERSON = $255 + 356 = 611$
 ADD 20% EXTRA = 733 PERSON

$$\text{SEPTIC TANK REQUIRED FOR 733 PERSON @ } 0.085 \text{ PER PERSON} = 733 \times 0.085 = 62.31 \text{ Cum}$$

TOTAL SIZE OF SEPTIC TANK PROVIDED-
= 7.00 X 5.00 X 2.00 = 70.00 Cum.

PROJECT:-
PROPOSED COMMERCIAL CUM RESIDENTIAL
BUILDING FOR

And Owners:-
Sri Vijay Kr Sinha
Sri Rajiv Ranjan Sinha
Sant Manjusha Sinha
Sri Sarjany Kr Sinha
Sri Sandeep Kr Sinha
S/o Late Sangram Sinha
S/o Late Sangram Sinha
W/o Late Vinod Kr Sinha
S/o Late Prof. rajendra Shihia
S/o Late Prof. rajendra Sinha

S NUTAN CONSTRUCTION
 8F- 8th FLOOR NUTAN PLAZA, BANDAR BAGICHA,
 CHIND MAURYALOK, PATNA,
 JESRA - 1609 & 1623 KHATA NO - 387 & 431

IANA NO-21, MAUZA - DANAPUR
Gola Road, Patna

Shailash Ranjan
Er Shailash Ranjan
B.Sc.(Engg)/Civil, M.I.E
Emp.No.-05/Er/2015/NPDN
NPDN, Danapur

SIGNATURE OF ARCH./ENG.

$\frac{\frac{\frac{1}{2} \log \frac{1}{2}}{1/2} \log \frac{1}{2}}{1/2} \log \frac{1}{2}$

SIGNATURE OF OWNER	SIGNATURE OF STR. ENG.
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SIGNATURE OF OWNER	SIGNATURE OF STR. ENG.
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$$\begin{array}{r} 62156156 \\ \hline 6512422 \end{array}$$

A. E.

A. E.
A. E. Nizam

[illegible]

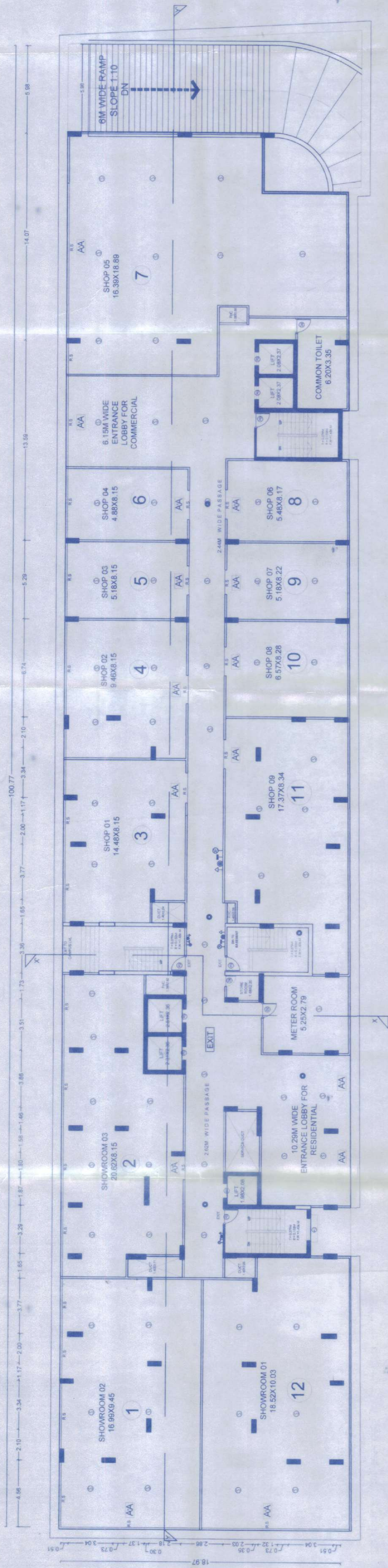
बिहार धू-सम्पदा (निनियमन और विकास)
नियमावली 2017 (REGA) की शर्तों के अधीन
राज्य में गठित धू-सम्पदा प्राधिकरण से
इस परियोजना का निबंधन अनिवार्य होगा।

नगर कार्यपालिका प्रशाधिकाश

03/12/20
BANK OF AMERICA

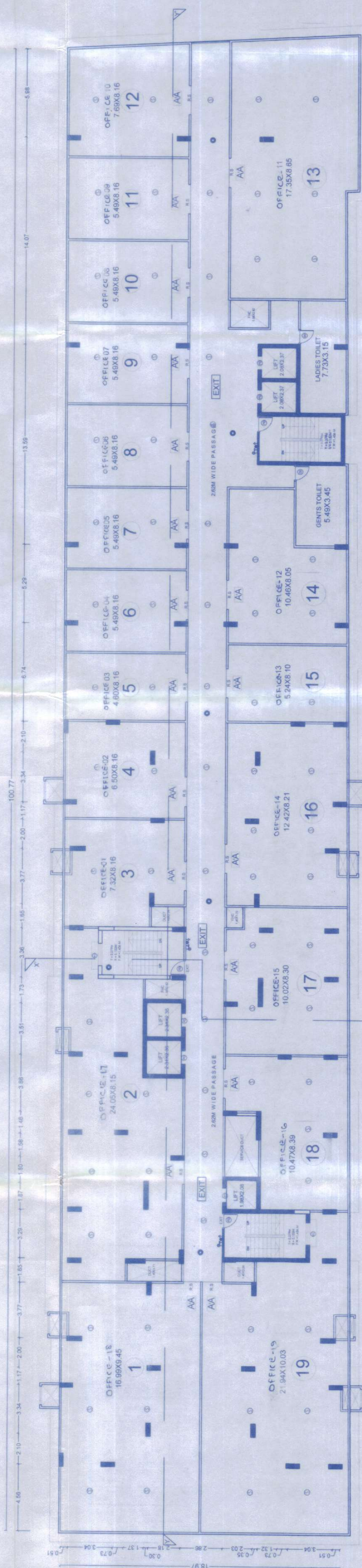
J. E.

J. E.
Nagar Parishad Danapur Nizamat



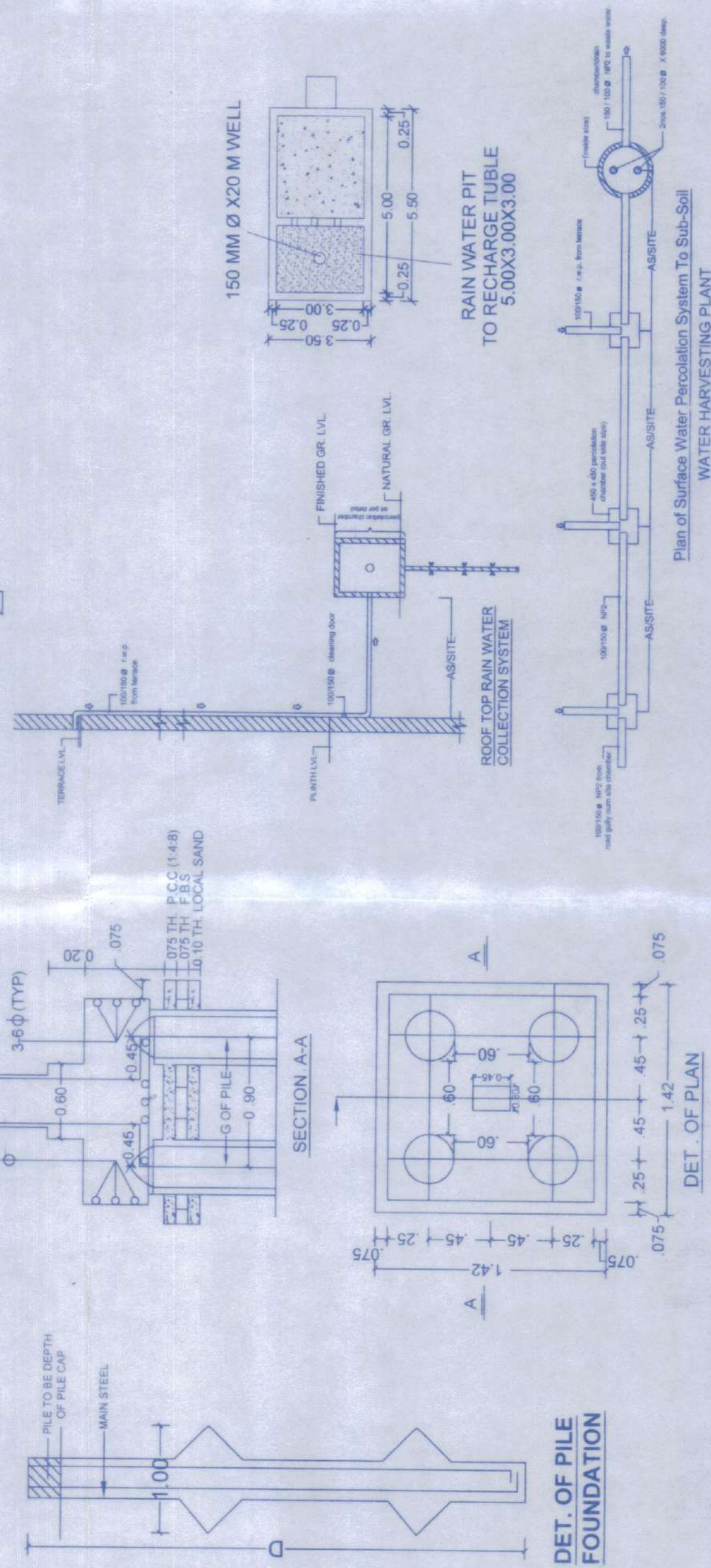
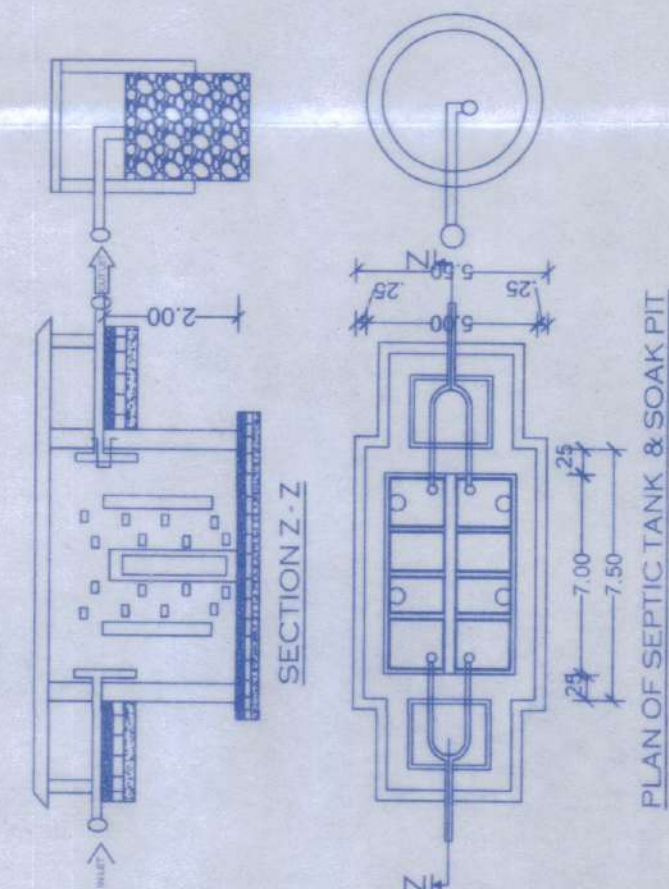
GROUND FLOOR PLAN

(SCALE - 1:1)



FIRST FLOOR PLAN

(SCALE - 1:1)



SPECIFICATION

- (1) FOUNDATION :- R.C.C. PILE FOUNDATION.
- (2) SUPER STRUCTURE :- 1st CLASS BRICK WORK IN CEMENT MORTAR 1:6.
- (3) FLOORING :- 100 MM 12.5% CEMENT OVER 150 MM RANDED ROKA OVER ONE LAYER BRICK FLAT SOLING OVER LOCAL SAND FILLING.
- (4) R.C.C. WORK :- SLAB, LINTEL, STAIR, BEAM & CHALISA IN 1:1:12.3 WITH PROPER REIN FOR CEMENT.
- (5) TERRACING :- 10TH AVERAGE LIME TERRACING OVER 10 TH R.C.C. ROOF SLAB.
- (6) PLASTER :- 012 TH CEMENT PLASTER ON BOTH SIDE WALL & 006 CEMENT PLASTER ON CEILING.
- (7) DRAIN :- 18 CM WIDE & 30 CM DEEP PUCCA DRAIN ROUND IN THE BUILDING.
- (8) COLOUR :- AS PER CHOICE.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL	LINTEL
DOORS				
SD	1.83	2.62	0.15	2.77
SD1	1.68	2.62	0.15	2.77
SD2	1.16	2.62	0.15	2.77
D0	1.83	2.77	000	2.77
D	1.22	2.77	000	2.77
D1	1.09	2.77	000	2.77
D2	1.05	2.77	000	2.77
D3	0.99	2.77	000	2.77
D4	0.91	2.77	000	2.77
D5	0.76	2.77	000	2.77

WINDOWS AND VENTILATOR

W	1.83	1.86	0.91	2.77
W1	1.67	1.86	0.91	2.77
W2	1.52	1.86	0.91	2.77
W3	1.22	1.86	0.91	2.77
W4	0.91	1.86	0.91	2.77
V	0.76	1.25	1.52	2.77

PROJECT:-
PROPOSED COMMERCIAL CUM RESIDENTIAL
BUILDING FOR

Land Owners:-

- 1) Sri Vijay Kr Sinha
- S/o Late Sangram Sinha
- 2) Sri Rajiv Ranjan Sinha
- S/o Late Sangram Sinha
- 3) Smt Manjusha Sinha
- W/o Late Vinod Kr Sinha
- 4) Sri Sanjay Kr Sinha
- S/o Late Prof. rajendra Sinha
- 5) Sri Sandeep Kr Sinha
- S/o Late Prof. rajendra Sinha

Builder/Developer:-

M/S NUTAN CONSTRUCTION
OFF- 8th FLOOR NUTAN PLAZA, BANDAR BAGICHA,
BEHIND MAURYALOK, PATNA,
KHESRA : 1609 & 1623 KHATA NO - 387 & 431

THANA NO-21, MAUZA - DANAPUR
at Gola Road, Patna

For Nutan Construction

Sandeep Sinha
Er Shalesh Ranjan
B.Sc (Engg) Civil, M.I.E
Emp No-408/E/2015/NPDN
NPDA, Danapur

SIGNATURE OF ARCH. ENG.

Ranjan Kr. Sinha
EMP-NPDA/158/STEL-NPDA/10019

SIGNATURE OF OWNER

SIGNATURE OF STR. ENG.

62,00,100/-
03/12/22

A. E.
Nagar Parishad Danapur Nizamat

बिहार भू-सम्पदा (निर्माण और विकास)
निर्माणवर्ष 2017 (REBA) की प्रती के अंगीन
रखने में जिला भू-सम्पदा प्राधिकरण से
इस परियोजना का विवरण अंकित होगा।

Ranjan Kr. Sinha
03/12/22
J. E.

Nagar Parishad Danapur Nizamat

05/07
14/12/22

TOTAL HEIGHT OF BUILDING - 37.84M

TOTAL HEIGHT OF BUILDING - 37.84M

FRONT SIDE ELEVATION
(SCALE - 1:1).

LEFT SIDE ELEVATION
(SCALE - 1:1)

SPECIFICATION

- (1) FOUNDATION - R.C.C. PILE FOUNDATION.
- (2) SUPER STRUCTURE - 14 CLASS BRICK WORK IN CEMENT MORTAR 1:4.
- (3) FLOORING - 002 TH 1:2:8 FLOORING OVER 15 DRY RAMMED R.O.A OVER.
- (4) ROOFING - 002 TH 1:2:8 FLOORING OVER 15 DRY RAMMED R.O.A OVER.
- (4) R.C.C. WORK - 18 CM LAPTEL STAIR, REAR, CORNER IN 1:1:1/2 13 WITH PROPER REIN FOR CEMENT.
- (5) TERRACING - 10TH AVERAGE LIME TERRACING OVER 10 TH R.C.C. ROOF SLAB
- (6) PLASTER - 1:1/2 TH CEMENT PLASTER ON BOTH SIDE WALL & 006 CEMENT PLASTER ON CEILING
- (7) DRAIN - 18 CM WIDE & 30 CM DEEP PUCCA DRAIN ROUND IN THE BUILDING.
- (8) COLOUR - AS PER CHOICE.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL	LINTEL
DOORS				
SD	1.83	2.62	0.15	2.77
SD1	1.68	2.62	0.15	2.77
SD2	1.16	2.62	0.15	2.77
D0	1.83	2.77	000	2.77
D	1.22	2.77	000	2.77
D1	1.09	2.77	000	2.77
D2	1.05	2.77	000	2.77
D3	0.89	2.77	000	2.77
D4	0.81	2.77	000	2.77
D5	0.76	2.77	000	2.77

WINDOWS AND VENTILATOR

W	1.83	1.86	0.91	2.77
W1	1.67	1.86	0.91	2.77
W2	1.52	1.86	0.91	2.77
W3	1.22	1.86	0.91	2.77
W4	0.91	1.86	0.91	2.77
V	0.76	1.25	1.52	2.77

PROJECT:-
PROPOSED COMMERCIAL CUM RESIDENTIAL
BUILDING FOR

Land Owners:-

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- W/o Late Vinod Kr Sinha
- 4) Sri Sanjay Kr Sinha
- S/o Late Prof. rajendra Sinha
- 5) Sri Sandeep Kr Sinha
- S/o Late Prof. rajendra Sinha

Builder/Developer:-

M/S NUTAN CONSTRUCTION
OFF- 8th FLOOR NUTAN PLAZA, BANDAR BAGICHA,
BEHIND MAURYALOK, PATNA,
KHESRA - 1609 & 1623 KHATA NO - 387 & 431

THANA NO- 21, MAUZA - DANAPUR
at Gola Road, Patna

For Nutan Construction

Sanjay
P. Sinha

Dr. Shalish Ranjan
Er Shalish Ranjan
B.Sc.(Engg)/Civil, M.T.E.
Enr. No-05/E/2015/NPDN
NPDN, Darbhanga

SIGNATURE OF ARCH/ENG.

Rashid Ali Khan
Enr. No-01/S/15/18/1/NPDN/2015

SIGNATURE OF OWNER

SIGNATURE OF STR. ENG.

62/08/2023
05/12/23
A. B.

Nagar Parishad Danapur Nizamati

विहार प्रमुख (निमित्त और विवरण)

निमित्त 2017/REDA की शर्तों के अंतर्गत

यहां में निहित प्रमुख प्रकल्प से

इस प्रकल्प का निबन्धन अतिवर्ती होगा।

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

Nagar Parishad Danapur Nizamati

J. B.

Certificate/Occupancy Certificate

होगा।

12/12/23

12/12/23

12/12/23

12/12/23

SPECIFICATIONS :-				SCHEDULE OF DOORS & WINDOWS				AREA CALCULATION OF EWS/LIG BUILDING			
(1) SUPER STRUCTURE :-	IST. CLASS BRICK WORK IN SUPER STRUCTURE	(2) PLASTER :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	TYPE	SIZE	SILL LEVEL	LINTEL LEVEL	BIU AREA-	GROUND FLOOR B/U AREA	134.14 SQ.MT	
(3) FINISH :-	HEIGHT P. LEV. & G. LEV. AS SHOWN IN SECTION	(4) ROOF :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	SD1	1.40 X 2.39	00	2.39	FIRST FLOOR BUILT UP AREA	405.00 SQ.MT		
(5) DOORS :-	CHOWNHARS OF DOOR TO BE SAIL WOODM 5	(6) ROOF :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	D1	1.07 X 2.39	00	2.39	SECOND FLOOR BUILT UP AREA	405.00 SQ.MT		
(7) ROOF :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	(8) ROOF :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	D2	0.91 X 2.39	00	2.39	THIRTH FLOOR BUILT UP AREA	405.00 SQ.MT		
(8) PLASTER :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	(9) PLASTER :-	12mm TH. CEMENT PLASTER ON BOTH SIDE OF WALL	D2A	0.91 X 2.39	00	2.39	FOURTH FLOOR BUILT UP AREA	405.00 SQ.MT		
(9) COLOUR :-	COLOUR OR WHITE WASH AS CHOICE	(10) COLOUR :-	COLOUR OR WHITE WASH AS CHOICE	D3	0.76 X 2.39	00	2.39	TOTAL PLOT AREA	882.58 SQ.M		
OCCUPANT LOAD RESIDENTIAL				W1	1.52 X 1.48	0.91	2.39	ROAD WIDENING AREA	1758.14 / 706.06 SQ.M		
TOTAL NO OF FLATS = 36 FLATS				W2	1.40 X 1.48	0.91	2.39	NET PLOT AREA	706.06 SQ.M		
TOTAL NOS. OF PERSON = 36X3 = 108 PERSONS				W3	0.91 X 1.32	1.07	2.39	FAR CALCULATION :			
WATER SUPPLY CALCULATION				V	0.61 X 0.87	1.52	2.39	TOTAL BUILT UP AREA / TOTAL PLOT AREA	1758.14 / 706.06 SQ.MT = 2.49		
TOTAL NO. OF OCCUPANTS = 108				REQUIRED PLANTATION AREA:							
REQUIRED SIZE OF WATER TANK @ 135 LITERS / PERSONS / DAY				TOTAL PLOT AREA = 706.06 SQ.M							
= 108 X 1.33 X 135 = 19.39 CUM = 19391.4 LITERS				@ 15% OF TOTAL PLOT AREA = 15% OF 706.06 SQ.M							
PROVIDED SIZE OF OVER HEAD WATER TANK				= 105.91 SQ.M							
5.10 X 2.13 X 1.52 X 2 = 33.02 CUM = 33023.52 LITER				PLANTATION AREA PROVIDED = 107.25 SQ.M							
SEPTIC TANK CALCULATION				TOTAL BUILT UP AREA FOR PARKING = 1758.14							
TOTAL NOS. OF OCCUPANT 108 PERSONS				REQUIRED AREA FOR PARKING							
REQUIREMENT OF SEPTIC TANK FOR 108 PERSONS				FOR RESIDENTIAL OF TOWER A & B:							
@ 0.087 CUM. PER PERSONS PER DAY = 108 X 0.087 = 9.39 CUM				= 15% OF TOTAL BUILT UP AREA							
DETAIL SIZE OF SEPTIC TANK -				= 253.87 SQ.MT							
L. 3.0 X W. 2.5 X H. 1.50 = 11.25 CUM = 11250 LITER				PROVIDED AREA FOR PARKING							
RAIN WATER HARVESTING CALCULATION				AREA PROVIDED FOR PARKING = 284.0 SQ.MT							
TERRACE AREA = 426.03 SQ.M				PROPOSED RESIDENTIAL BUILDING PLAN							
REQUIRED WATER HARVESTING CAPACITY 6 CUM FOR 100 SQ.M				AT SMT. SHAKUNTALA DEVI W/O SRI ASHOK							
TERRACE AREA TOTAL TERRACE = 426.03 SQ.M				KUMAR AT HAVING S. PLOT No- 1210 (P).							
REQUIRED WATER HARVESTING = 426.03 X 6/100 = 25.56 CUM				KHATA NO- 713, TALUZI No- 11802, THANA NO							
PROVIDED RAIN WATER HARVESTING SIZE & NOS.				-21, MAUZA- GAJADHAR CHOWK DANAPUR,							
(AS PER CALCULATION) :-				PATNA							
SIZE = 3M DIA & 3M DEPTH				NAME OF BUILDERS							
TOTAL NOS. OF RECHARGE WELL				M/s Nutan Construction							
TOTAL VOLUME = 3.00 X 2.0 X 1.5 X 2.9 CUM = 26.10 CUM.				SIGNATURE OF BUILDER / OWNER							

Signature of Builder/Owner: *Sanku*

Signature of Architect/Engineer: *Dr. Laxmi Ranjan*
Dr. Laxmi Ranjan
B.Sc. (Engg) Civil, M.T.E.
Emp. No. 36/E/2016/NPDN
NPDN, Danapur

Signature of Architect/Engineer: *Ranjeet Kumar*
EMP. NO. 04/58/15/E/2016/NPDN

Building Plan No. 13/22-23/05/21/22
A.E.
M/s. Nutan Construction
M/s. Nutan Construction

Building Plan No. 13/22-23/05/21/22
A.E.
M/s. Nutan Construction
M/s. Nutan Construction

Building Plan No. 13/22-23/05/21/22
A.E.
M/s. Nutan Construction
M/s. Nutan Construction

Building Plan No. 13/22-23/05/21/22
A.E.
M/s. Nutan Construction
M/s. Nutan Construction

TYPE	SIZE	SILL LEVEL	LINTEL LEVEL
SD1	1.40 X 2.39	00	2.39
D1	1.07 X 2.39	00	2.39
D2	0.91 X 2.39	00	2.39
D2A	0.91 X 2.39	00	2.39
D3	0.76 X 2.39	00	2.39
W1	1.52 X 1.48	0.91	2.39
W2	1.40 X 1.48	0.91	2.39
W3	0.91 X 1.32	1.07	2.39
V	0.61 X 0.87	1.52	2.39

LOCATION PLAN
NTS

