

LOT LINE

4.68

800 M.S. WATER CURTAIN PIPE

DELUGE VALVE

40 M. WIDE DRIVEWAY

PLOT LINE

60.32

RIVEWAY

1. FOUNDATION :-
R.C.C. UNDER REMED FOUNDATION
2. FLOORING :-
0.025 M THK IPS FLOORING OVER 0.15 M DRY RAMMED KHOA OVER ONE LAYER BRICK FLAT SOILING , OVER 0.15 M THK LOCA. SAND FILLING
3. SUPERSTRUCTURE :-
FIRST CLASS BRICK WORK IN CEMENT MORTAR 1:6
4. RCC WORK :-
ALL RCC WORK IN 1:2:4 WITH PROPER REINFORCEMENT
5. TERRACING :-
0.10M AVERAGE LIME TERRACING OVER 0.10M THK RCC FLOOR SLAB
6. PLASTER :-
0.12 M THK PLASTER ON BOTH SIDE WALL IN 1:6 CEMENT MORTAR @
0.06 M THK CEILING PLASTER IN 1:4 CEMENT MORTAR
7. ALL DOOR WINDOW SHALL BE PAINTED TWO COAT OVER A COAT OF PRIMER

AREA CALCULATION : -- IN sq.m

TOTAL PLOT AREA = 3597.0 SQM.

BASEMENT AREA = 2352.85 SQM.

FIRE LEGEND

FHC	FIRE HOSE CABINET
☼	UP RIGHT TYPE SPRINKLER
☼	PENDENT TYPE SPRINKLER
☼	SIDE WALL SPRINKLER
☼	9 Ltr. WATER GAS PRESSURE TYPE FIRE EXTINGUISHER
☼	4.5 kg CO ₂ TYPE FIRE EXTINGUISHER
☼	SLUCE VALVE
☼	NON-RETURN VALVE
☼	FLOW INDICATING SWITCH
☼	ELECTRICAL CALL POINT SWITCHES FOR THE ALARM SYSTEM.
☼	AREA COVERED WITH AUTOMATIC HEAT SMOKE DETECTOR AS PER I.S.S.
☼	DOUBLE LEAF DOUBLE SWING SELF CLOSING FIRE RESISTING DOOR
☼	HOUSE RULES AS PER I.S.S.T.A.C. RECOMMENDATIONS DULY CONNECTED WITH THE WET RISER SYSTEM.
☼	LANDING VALVES AS PER I.S.S.T.A.C. RECOMMENDATIONS DULY CONNECTED WITH THE WET RISER SYSTEM.
☼	LOUD SPEAKER OUTLETS FOR THE PUBLIC ADDRESS SYSTEM.
☼	MICRO PHONE POSITION FOR THE PUBLIC ADDRESS SYSTEM.
☼	FLOOR INDICATOR PANELS FOR THE AUTOMATIC FIRE ALARM SYSTEM AS PER I.S.S.
☼	WATER CO ₂ TYPE PORTABLE EXTINGUISHER OF 9 LITRE CAPACITY.
☼	SIAMESE CONNECTION.
☼	EXIST DIRECTIONAL SIGN.
☼	PORTABLE CHEMICAL B.C.F. EXTINGUISHER OF 3.5 KG CAPACITY.
☼	FIRE FIGHTING WATER OVER HEAD

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0.025 M THK IPS FLOORING OVER 0.15 M DRY RAMMED KHOA OVER
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AREA CALCULATION :- IN SQ.M
 PLOT AREA AS/DEED = 3551.59 SQM.
 PLOT AREA AS/SITE = 3550.60 SQM
 PERMISSIBLE F.A.R. @ 2.5 = 8876.5 SQM.

TOWER-01

Stilt FL. F.A.R AREA	= 44.20
1ST FL. F.A.R AREA	= 638.02
2ND FL. F.A.R AREA	= 638.02
3RD FL. F.A.R AREA	= 638.02
4TH FL. F.A.R AREA	= 638.02
5TH FL. F.A.R AREA	= 638.02
6TH FL. F.A.R AREA	= 638.02
7TH FL. F.A.R AREA	= 592.09
TOTAL F.A.R AREA	= 4464.41

TOWER-02

Stilt FL. F.A.R AREA	= 45.48
1ST FL. F.A.R AREA	= 676.4
2ND FL. F.A.R AREA	= 676.4
3RD FL. F.A.R AREA	= 676.4
4TH FL. F.A.R AREA	= 676.4
5TH FL. F.A.R AREA	= 676.4
6TH FL. F.A.R AREA	= 676.4
7TH FL. F.A.R AREA	= 308.21
TOTAL F.A.R AREA	= 4412.09

F.A.R. ARCHIVED = $8876.5 / 3550.6 = 2.5$

PARKING CALCULATION FOR HOUSING :-

PARKING AREA REQUIRED @ 25 % OF TOTAL B/U AREA
 TOTAL B/U AREA ALL FLOORS = 8878.46 SQM
 AREA REQUIRED FOR PARKING = 2219.61 SQM
 AREA PROVIDED FOR PARKING IN STILT+BASEMENT = 1441.14 + 2352.85 SQM
 TOTAL AREA PROVIDED FOR PARKING = 3794.26 SQM

WATER SUPPLY CALCULATION:-

TOTAL NO. OF FLATS = 65
 ASSUMED @ 5 PERSON PER FLAT
 NO. OF PERSON = 325 NOS.
 AVERAGE WATER DEMAND = 135 LIT. PER CAPITA PER DAY
 SO, TOTAL WATER REQUIRED PER DAY =
 $135 \times 325 = 4387.5 \text{ LIT.} = 43.88 \text{ CUM.}$
 WATER TANK CAPACITY REQUIRED FOR FIRE
 $= 20,450 \text{ LIT.} = 20.45 \text{ CUM.}$
 SO TOTAL WATER REQD. = $43.88 + 20.45 = 64.33 \text{ CUM.}$

GREEN AREA CALCULATION:-

TOTAL NET PLOT AREA = 3551.59 Sq.m.
 10% GREEN AREA REQUIRED i.e. $3551.59 \times 10\% = 355.15 \text{ Sq.m.}$
 TOTAL GREEN AREA PROVIDED = 772.36 Sq.m.

SEPTIC TANK CALCULATION

TOTAL BUILT UP AREA = 8878.46 SQM.
 REQ. SEPTIC TANK CAPACITY = $8878.46 / 2 = 4439.23 \text{ SQM.}$
 5 PERSON PER FLAT = 65 FLATS $\times 5 = 325 \text{ PERSON}$
 $325 \times 0.085 \text{ CUMTR} = 27.63 \text{ CUMTR.}$
 REQ. CAPACITY OF SEPTIC TANK = 27.63 CUMTR.

SIZE OF SEPTIC TANK
 $= 6.0 \times 3.3 \times 1.5 + 3 \text{ FB} = 30.00 \text{ CULTR.}$

PROJECT:

PROPOSED RESIDENTIAL
 APARTMENT BUILDING - "THE CROWN" AT

Plot No. - 645

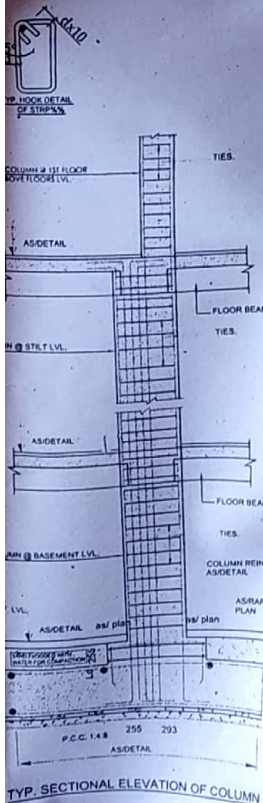
Mauza - SIKANDARPUR
 Dist. - Patna

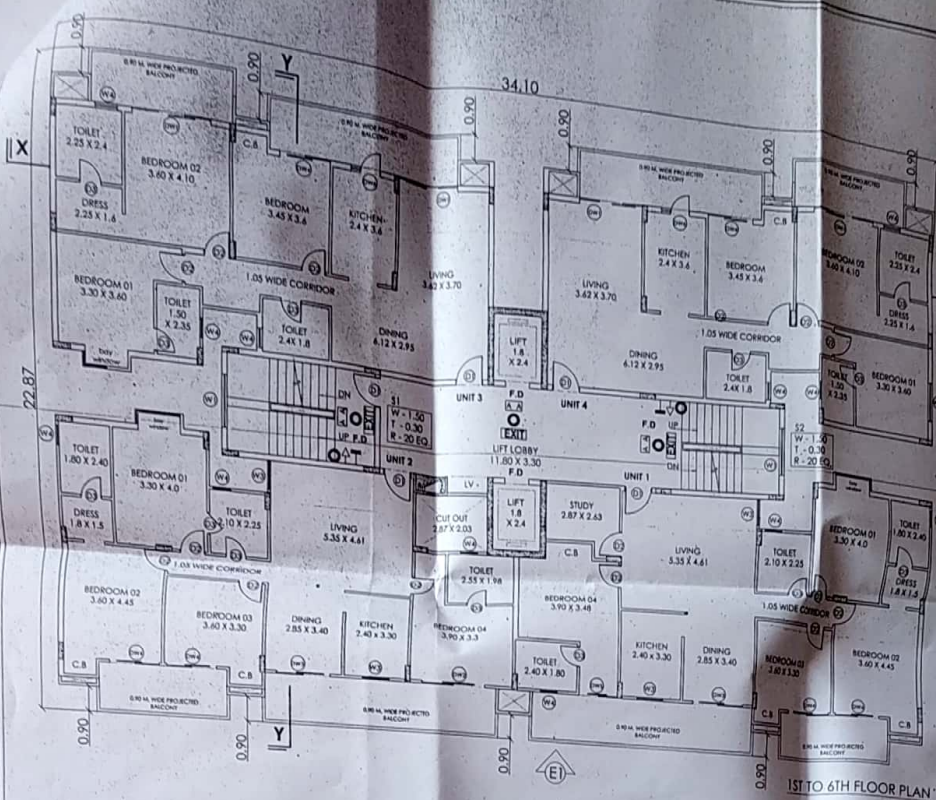
Khata No. - 277

Thana - DIGHA

Thana No. - 17

SHEET TITLE:





1. FOUNDATION :- 8 C.C. UNDER PAVED FOUNDATION
2. FLOORING :- 0.025 M THK PPS FLOORING OVER 0.15 M OFT RAMMED ENKA OVER ONE LAYER BRICK FLAT SOLING, OVER 0.15 M THK LOCAL SAND FILLING
3. SUPERSTRUCTURE :- FIRST CLASS BRICK WORK IN CEMENT MORTAR 1:4
4. RCC WORK :- ALL RCC WORK IN 1:2:4 WITH PROPER REINFORCEMENT
5. TERRACING :- 0.10 M AVERAGE LINE TERRACING OVER 0.10 M THK RCC FLOOR SLAB
6. PLASTER :- 0.12 M THK PLASTER ON BOTH SIDE WALL IN 1:4 CEMENT MORTAR 1:4
7. ALL DOOR WINDOW SHALL BE PAINTED TWO COAT OVER A COAT OF PRIMER

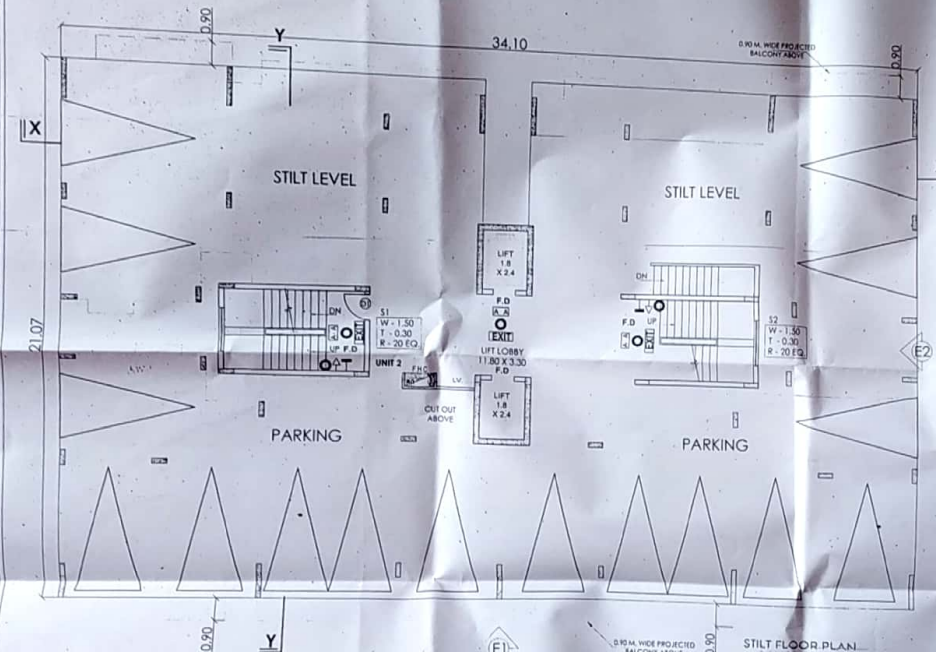
AREA CALCULATION :- IN SQ.M
 PLOT AREA = 3551.59 SQ.M
 PERMISSIBLE F.A.R. @ 2.5 = 8878.97 SQ.M.

TOWER-01

SHIF FL. F.A.R AREA	= 44.20
1ST FL. F.A.R AREA	= 638.02
2ND FL. F.A.R AREA	= 638.02
3RD FL. F.A.R AREA	= 638.02
4TH FL. F.A.R AREA	= 638.02
5TH FL. F.A.R AREA	= 638.02
6TH FL. F.A.R AREA	= 638.02
7TH FL. F.A.R AREA	= 593.08
TOTAL F.A.R AREA	= 4465.4

FIRE LEGEND

FHC	FIRE HOSE CABINET
UP	UP RIGHT TYPE SPRINKLER
PEND	PENDENT TYPE SPRINKLER
SW	SIDE WALL SPRINKLER
WGP	9 LTR. WATER GAS PRESSURE TYPE FIRE EXTINGUISHER
WGP	4.5 KG CO2 TYPE FIRE EXTINGUISHER
SV	SLUCE VALVE
NRV	NON RETURN VALVE
FIS	FLOW INDICATING SWITCH
EC	ELECTRICAL CALL POINT SWITCHES FOR THE ALARM SYSTEM
AS	AREA COVERED WITH AUTOMATIC HEAT SMOKE DETECTOR AS PER I.S.
LD	DOUBLE LEAF DOUBLE DRIVING SELF CLOSING FIRE RESISTING DOOR
H	HOUSE RINKS AS PER I.S. 1:4 C.C. RECOMMENDATIONS DUTY CONNECTED WITH THE WET RISER SYSTEM
LV	LANDING VALVES AS PER I.S. 1:4 C.C. RECOMMENDATIONS DUTY CONNECTED WITH THE WET RISER SYSTEM
LS	LOUD SPEAKER OUTLETS FOR THE PUBLIC ADDRESS SYSTEM
MP	MICRO PHONE POSITION FOR THE PUBLIC ADDRESS SYSTEM
FI	FLOOR INDICATOR PANELS FOR THE AUTOMATIC FIRE ALARM SYSTEM AS PER I.S.
WGP	WATER CO2 TYPE PORTABLE EXTINGUISHER OF 9 LITRE CAPACITY
SC	SIAMSE CONNECTION
EDS	EXIT DIRECTIONAL SIGN
WGP	PORTABLE CHEMICAL B.C.F. EXTINGUISHER OF 3.5 KG CAPACITY
WGP	FIRE FIGHTING WATER OVER HEAD WATER TANK 25,000 LTR
WGP	UNDER GROUND STATIC TANK WITH 50,000 LTR CAPACITY FOR FIRE



DOOR WINDOW SCHEDULE

TYPE	SIZE	CILL	LINTEL
DW1	2.70 X 2.10	2.10	2.10
DW2	2.40 X 2.10	2.10	2.10
DW3	2.00 X 2.10	2.10	2.10
DW4	1.80 X 2.10	2.10	2.10
DW5	1.50 X 2.10	2.10	2.10
DW6	1.10 X 2.10	2.10	2.10
D1	1.05 X 2.10	2.10	2.10
D2	0.90 X 2.10	2.10	2.10
D3	0.75 X 2.10	2.10	2.10
W1	1.80 X 1.20	0.90	AS / ELEVATION
W2	1.50 X 1.20	0.90	2.10
W3	1.00 X 1.20	0.90	2.10
W4	0.60 X 1.20	0.90	2.10

PROPOSED RESIDENTIAL APARTMENT BUILDING - "THE CROWN" AT

Plot No. - 645
 Mauza - SIKANDARPUR
 Dist. - Patna

Khatia No. - 277
 Thana - CHIKHUA
 Thana No. - 17

SHEET TITLE:

TOWER - 01
 FLOOR PLANS
 OPTION 01

SCALE = 1:100
 OR
 Mentioned



SHEET NO. - 03

HIRA PANNA INFRA PROJECTS LLP

DESIGNATED PARTNER/OWNER/FIRM/COMPANY

ARCHITECT:

DES ARC
 ARCHITECTS, INTERIORS, PLANNING

UGUR - 1A, ANJALI PLAZA, SECTION - I, VAISHALI, DZ
 PIN CODE - 401010 MO - 9818711273
 EMAIL - desarc14@gmail.com

NISHANT SHEKHAR
 CA / 2009 / 39203

SIGNATURE OF ENGINEER

EX. UTKARSH
 04/STRI/18/NP/01

SIGNATURE OF STRUCTURAL ENGINEER

Plan No. 125/19-20

A.E.
 Nayan Parthasarathy, Nayan Nizam

20/07/2020
 J.P.

प्रमाणित किया जाता है कि उपरोक्त नक्शा/आलेख/चित्र/दस्तावेज...
 (Hindi text regarding the certification of the drawing)

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FLOOR PLANS

OPTION 01

SCALE = 1:100
OR
Mentioned

NORTH



SHEET NO. - 03