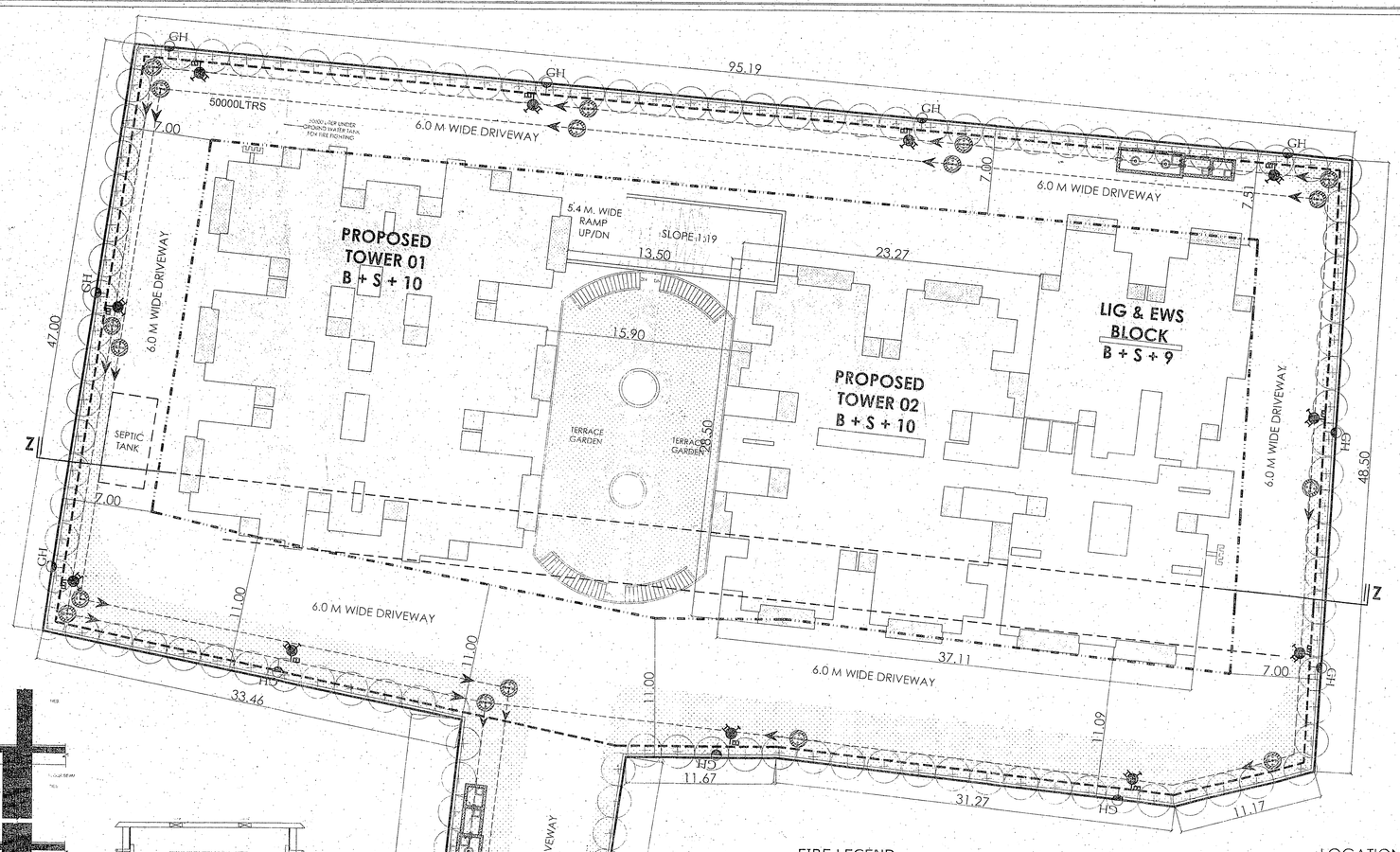
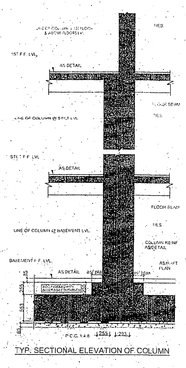
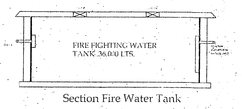
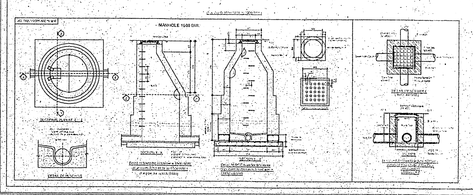






Section Fire Water Tank



AREA CALCULATION : -- IN SQ.M	
PLOT AREA AS/DEED	= 5340.80 SQM.
PLOT AREA AS/SITE SQM.	= 5116.36
PERMISSIBLE F.A.R. @ 2.5 = 13352.00 SQM.	

TOWER-01

GR. FL.	F.A.R AREA	= 48.02
1ST FL.	F.A.R AREA	= 661.49
2ND FL.	F.A.R AREA	= 661.49
3RD FL.	F.A.R AREA	= 661.49
4TH FL.	F.A.R AREA	= 661.49
5TH FL.	F.A.R AREA	= 661.49
6TH FL.	F.A.R AREA	= 661.49
7TH FL.	F.A.R AREA	= 661.49
8TH FL.	F.A.R AREA	= 661.49
9TH FL.	F.A.R AREA	= 661.49
10TH FL.	F.A.R AREA	= 661.49
TOTAL	F.A.R AREA	**= 6662.92**

TOTAL F.A.R. OF TOWER - 01 = 6662.92 SQM.

TOWER-02

GR. FL.	F.A.R AREA	= 31.14
1ST FL.	F.A.R AREA	= 672.50
2ND FL.	F.A.R AREA	= 672.50
3RD FL.	F.A.R AREA	= 672.50
4TH FL.	F.A.R AREA	= 672.50
5TH FL.	F.A.R AREA	= 672.50
6TH FL.	F.A.R AREA	= 672.50
7TH FL.	F.A.R AREA	= 672.50
8TH FL.	F.A.R AREA	= 672.50
9TH FL.	F.A.R AREA	= 672.50
10TH FL.	F.A.R AREA	= 604.97
TOTAL	F.A.R AREA	**= 6688.61**

TOTAL F.A.R. OF TOWER - 02 = 6688.61 SQM.

TOTAL ARCHIVED F.A.R = (TOWER 01 + 02)
=6662.92 SQM + 6688.61 SQM = 13351.53 SQM.
13351.53 / 5340.80 = 2.5

AREA CALCULATION : -- IN SQ.M	
PLOT AREA	= 5340.80 SQM.
PERM. 15% F.A.R. FOR EWS & LIG @ 13352.0 = 2002.80 SQM.	

EWS & LIG BLOCK

GR. FL.	F.A.R AREA	= 18.17
1ST FL.	F.A.R AREA	= 220.45
2ND FL.	F.A.R AREA	= 220.45
3RD FL.	F.A.R AREA	= 220.45
4TH FL.	F.A.R AREA	= 220.45
5TH FL.	F.A.R AREA	= 220.45
6TH FL.	F.A.R AREA	= 220.45
7TH FL.	F.A.R AREA	= 220.45
8TH FL.	F.A.R AREA	= 220.45
9TH FL.	F.A.R AREA	= 220.45
TOTAL	F.A.R AREA	**= 2002.22**

TOTAL F.A.R. OF EWS & LIG = 2002.22 SQM.

PARKING CALCULATION FOR HOUSING :-

AREA REQUIRED FOR PARKING @ 25 % OF TOTAL B/U AREA
TOTAL B/U AREA ALL FLOOR = 13351.53 SQM
AREA REQUIRED FOR CAR PARKING = 3337.92 SQM
AREA PROVIDED IN - STILT (TOWER 01 + 02)+ BASEMENT
= 336.19 + 984.64 + 3296.22 = 4617.05 SQM.
TOTAL AREA PROVIDED FOR PARKING = 4617.05 SQM.

REQUIRED PARKING LIG & EWS :
TOTAL B/U AREA ON ALL FLOORS = 2002.22 SQM
TOTAL NO OF EWS & LIG FLAT = 36
AREA REQUIRED FOR PARKING = 72.00 SQM
PROVIDED PARKING AREA FOR EWS & LIG = 72.82 SQM.

WATER SUPPLY CALCULATION:-

TOTAL NO. OF FLAT = 117 + 36
ASSUMED 5 + 2 PERSON PER FLAT
NO. OF PERSON = 585 + 72 = 657 NOS.
AVERAGE WATER DEMAND = 135 LIT. PER CAPITA PER DAY
SO. TOTAL WATER REQUIRED PER DAY =
135 X 657 = 88695 LIT. = 88.69 CUM.
WATER TANK CAPACITY REQUIRED FOR FIRE
= 36000 LIT. = 36.0 CUM
SO TOTAL WATER REQD. = 88.69 + 36.0 = 124.69 CUM.

GREEN AREA CALCULATION:-

TOTAL NET PLOT AREA = 5340.80 SQM.
Reqd. 10% GREEN AREA= 5340.80 @ 10% = 534.08 Sq.m.
TOTAL GREEN AREA PROVIDED = 1060.54 Sq.m.

SEPTIC TANK CALCULATION

TOTAL BUILT UP AREA = 13351.53 SQM.
REQ. SEPTIC TANK CAPACITY = 13351.53 / 2 = 6675.76 SQM.
5 & 2 PERSON PER FLAT = 585 + 72 = 657 PERSON
657 X .085 CUMTR = 55.84 CUMTR.
REQ. SEPTIC TANK FOR = 55.84 CUMTR.
PROVIDE SEPTIC TANK FOR SIZE
= 6.0 X 4.0 X 2.5 + .3 FB = 60.3 CULTR.

N
W E

LEGEND
- F.A.R AREA
- GREEN AREA
- BALCONY
- BASEMENT LINE
- SETBACK LINE

J G CONSTRUCTION
Unit of MV Realcon Pvt. Ltd.

PROJECT: M/S J.G CONST.

PROPOSED GROUP HOUSING - SILVER OAK AT

PLOT NO.	-	64 , 67 , 70
MAUZA	-	KOTHWA
ANCHAL	-	DANAPUR
KHATA NO.	-	148 & 160
THANA NO.	-	37
THANA	-	DANAPUR
TAUZI	-	BIHAR GOVT.
P.O.	-	KHAGAUL

OPP. R.P.S ENGINEERING COLLEGE,
DANAPUR,PATNA, BIHAR.

SHEET TITLE:
SITE PLAN

SCALE = 1:100 OR Mentioned | SHEET NO. - 01

J G CONSTRUCTION
Unit of MV...

SIGNATURE OF OWNER/ FIRM / COMPANY

ARCHITECT:
DES ARC
ARCHITECTS, INTERIORS, PLANNING
UGSR - 1A, ANSAL PLAZA , SECTOR - I, VAISHALI, GZB
PH: 0120 - 4104510 M : 0-9818711273
EMAIL- desarc14@gmail.com

Er. Satyendra Pd. Singh
B.Sc. Engg. (Civil)
Reg. No.-03/EE/2015-16/NPDN
Nagar Parishad Danapur, Nizamat

ER SHAILESH RANJAN, M.I.E.
B.Sc. Engg.) Civil
EMP No. 16... /NPDN/2018-19
NPDN, DANAPUR

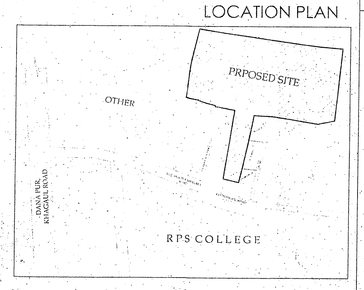
SIGNATURE OF ENGINEER | SIGNATURE OF STRUCTURAL ENGINEER

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 CO2 TYPE FIRE EXTINGUISHER
	SLUICE VALVE
	NON-RETURN VALVE
	FLOW INDICATING SWITCH
	ELECTRICAL CALL POINT SWITCHES FOR THE ALARM SYSTEM.
A.D.	AREA COVERED WITH AUTOMATIC HEAT SMOKE DETECTOR AS PER I.S.S.
FD	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.
M	MICRO PHONE POSITION FOR THE PUBLIC ADDRESS SYSTEM.
A.D.	FLOOR INDICATOR PANELS FOR THE AUTOMATIC FIRE ALARM SYSTEM AS PER I.S.S.
	WATER CO2 TYPE PORTABLE EXTINGUISHER OF 9 LITRE CAPACITY.
	SIAMESE CONNECTION.
EXIT	EXIST DIRECTIONAL SIGN.
	PORTABLE CHEMICAL B.C.F. EXTINGUISHER OF 3.5 KG CAPACITY.

FIRE FIGHTING WATER OVER HEAD WATERTANK 25,000 L.TS.
UNDER GROUND STATIC TANK WITH 50,000 LTR CAPACITY FOR FIRE.

LOCATION PLAN



LEGEND:-

SEWERAGE:-

	SEWER LINE
	SEWERAGE CIRCULAR MANHOLE
G.L.	GROUND LEVEL
I.L.	INVERT LEVEL
C.L.	CONNECTION LEVEL

SIZE OF PIPE	SLOPE
300Ø	1:245

STORM WATER DRAINAGE:-

	DRAINAGE LINE
	DRAINAGE CIRCULAR MANHOLE
G.L.	GROUND LEVEL
I.L.	INVERT LEVEL
C.L.	CONNECTION LEVEL

SIZE OF PIPE	SLOPE
250Ø	1:300
300Ø	1:350

FIRE FIGHTING LEGEND:-

EFH	EXTERNAL FIRE HYDRANT
EFHC	EXTERNAL FIRE HOUSE CABINATE
	EXTERNAL FIRE HYDRANT PIPE
	4-WAY FIRE BRIGADE INLET CONNECTION
	2-WAY FIRE BRIGADE DRAWOUT CONNECTION

LEGEND:-

IRRIGATION:-

GH	100Ø IRRIGATION LINE

Nagar Parishad Danapur Nizamat
J. E.
Nagar Parishad Danapur Nizamat

Building Plan No. 67/20-21

निम्नलिखित शर्तों के साथ स्वीकृति प्रदान / अधिसूचना की अनुमोदन के आधार पर भवन मानचित्र की स्वीकृति दी जाती है।

सरकारी या किसी दूसरे के जमीन का अतिक्रमण नहीं करना होगा तथा वन एवं सड़क के लिए विहार भवन उपविधि 2014 के अनुसार अपनी जमीन छोड़ना होगा। भवन भू-कम्परोधी बनाना होगा तथा अग्नि भवन से सरकारी नाला तक पानी निकासी हेतु अपने खर्च से नाली निर्माण करना होगा।

बरसाती पानी नाली के लिए भूतल पर व्यवस्था करना होगा। भवन भू-उपयोग विनियमित क्षेत्र की स्थिति में भवन मानचित्र बाद रद्द समझा जायेगा एवं उसपर खड़े किये गये बनावट अवैध माना जायेगा। भवन मानचित्र की स्वीकृति केवल योजना के लिए मान्य होगी। भवन के आवासित होने के पूर्व Completion Certificate/Occupancy Certificate लेना अनिवार्य होगा।

नगर पंचायत पदाधिकारी
नगर पंचायत दानापुर निजामत

बिहार भू-सम्पदा (विनियमन और विकास) अधिनियम 2017 (RERA) की शर्तों के अधीन राज्य भू-सम्पदा प्राधिकरण में इस परियोजना का निबंधन अनिवार्य होगा।