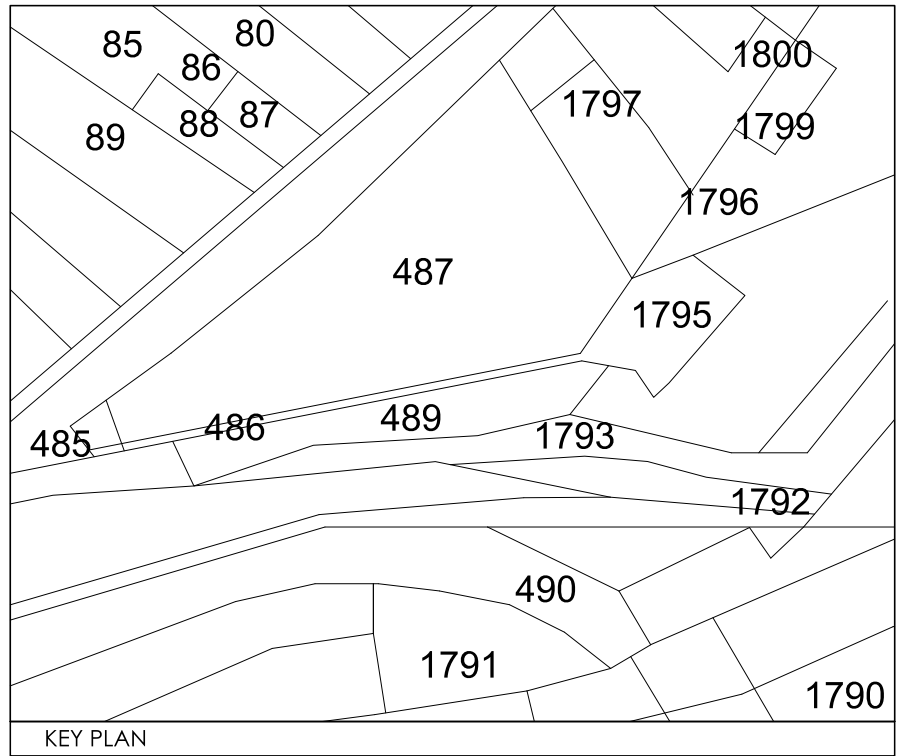
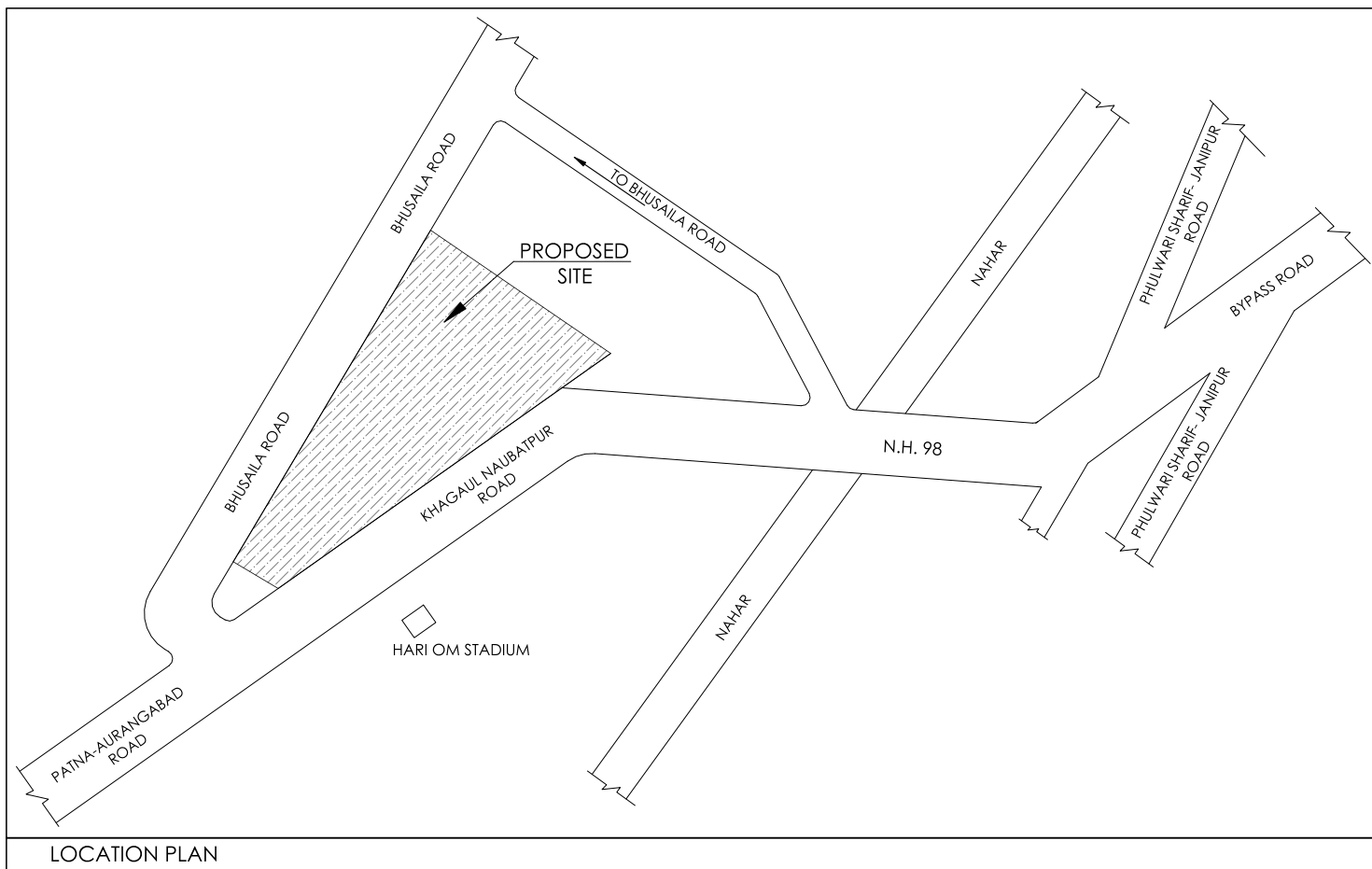
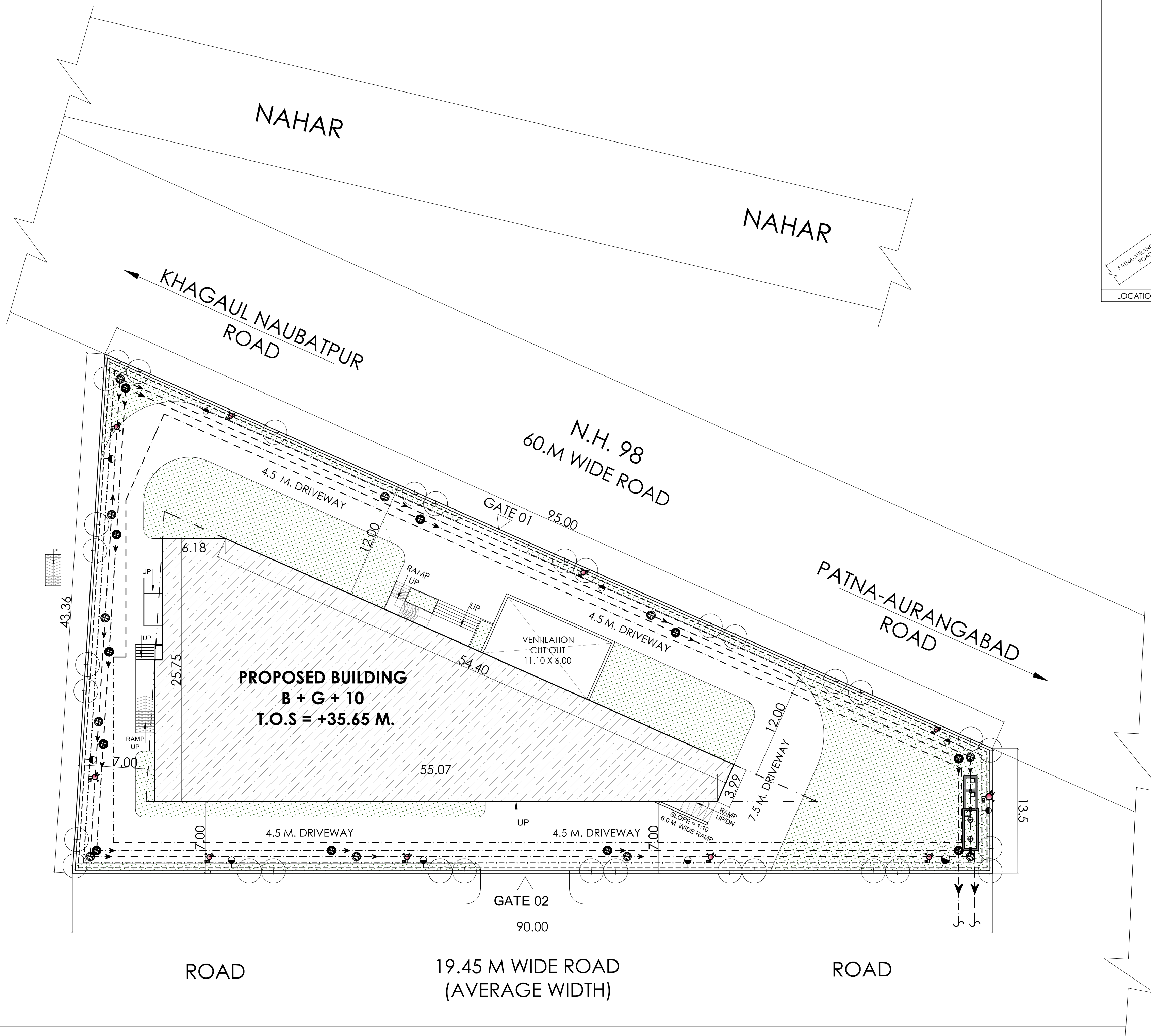




AREA CALCULATION : -- IN sq.m

TOTAL PLOT AREA = 2711.85 SQM.
PERMISSIBLE F.A.R @3.50 = 9491.47 SQM.

[AREA IN SQM.]

BASEMENT FL. BUILT - UP AREA	= 20.04
GROUND FL. BUILT - UP AREA	= 755.17
1ST FL. BUILT - UP AREA	= 808.15
2ND FL. BUILT - UP ARE	= 808.15
3RD FL. BUILT - UP AREA	= 861.25
4TH FL. BUILT - UP AREA	= 861.25
5TH FL. BUILT - UP AREA	= 825.73
6TH FL. BUILT - UP AREA	= 839.29
7TH FL. BUILT - UP AREA	= 839.29
8TH FL. BUILT - UP AREA	= 839.29
9TH FL. BUILT - UP AREA	= 839.29
10TH FL. BUILT - UP AREA	= 839.29
TOTAL BUILT - UP AREA	= 9136.19

TOTAL PROPOSED F.A.R AREA ACHIEVED
= 9136.19 SQM. @ 3.36 F.A.R

PARKING CALCULATION:-

BUILT UP AREA (GR. TO 4TH FLOOR) = 4114.01 SQM.
SEVICES AREA @ 15% OF TOTAL B/U AREA = 617.10 SQM.
(4114.01 SQM. @ 15% = 617.10 SQM.)
TOTAL B/U AREA = 4114.01 - 617.10 = 3496.91 SQM.

TOTAL B/U AREA = 3496.91 SQM.
REQUIRED PARKING @ 30% OF B/U AREA = 1049.07 SQM.

BUILT UP AREA (5TH TO 10TH FLOOR) = 5022.18 SQM.
SEVICES AREA @ 15% OF TOTAL B/U AREA = 617.10 SQM.
(5022.18 SQM. @ 15% = 753.32 SQM.)
TOTAL B/U AREA = 5022.18 - 753.32 = 4668.86 SQM.

TOTAL B/U AREA = 4668.86 SQM.
REQUIRED PARKING @ 25% OF B/U AREA = 1067.21 SQM.

TOTAL REQUIRED PARKING = 1049.07 + 1067.21 = 2116.28 SQM.

TOTAL PARKING AREA PROVIDED IN BASEMENT = 2118.20 SQM.

GREEN AREA CALCULATION:-

TOTAL NET PLOT AREA = 2711.85 Sq.m.
GREEN SPACE AREA % Reqd = 2712.00 @ 10% = 271.20 Sq.m.
TOTAL PROVIDED GREEN SPACE @ 25.93 % = 703.42 Sq.m.

WATER SUPPLY CALCULATION:-

TOTAL F.A.R AREA GR. TO 4TH FLOOR = 4114.01 SQM.

1 PERSON 10 SQM. PER PERSON = 411.40 WATER
REQUIREMENT @ 45 LT. PER DAY PER PERSON
= 411.10 X 45 = 18499.50 LT. = 18.49 CUM

TOTAL NO. OF FLAT = 36 (5th to 10th)
ASSUMED 5 PERSON PER FLAT = 5 X 36 = 180 PERSON
AVERAGE WATER DEMAND = 135 LIT. PER CAP. PER DAY
SO, TOTAL WATER REQUIRED PER DAY = 135 X 180
= 24300.00 LIT. = 24.30 CUM.

WATER TANK CAPACITY REQUIRED FOR FIRE
= 45000 LIT. = 45.0 CUM
PERMISSIBLE WATER TANK REQD. = 18.49 + 24.30 + 45.0 = 87.79 CUM.
PROVIDED PROPOSED WATER TANK
COMPARTMENT = 6.0 X 3.0 X 1.8 = 32.40 X 3 = 97.20 CUM.

SEPTIC TANK:-

TOTAL BUILT UP AREA = 9136.19 SQM.
REQ. S.T.P CAPACITY = 9136.19 / 2 = 4568.09 SQM.
1 PERSON 10 SQM. PER PERSON = 456.80
456.80 X .085 CUMTR = 38.82 CUMTR.
PERMISSIBLE S.T.P = 38.82 CUMTR.
PROPOSED S.T.P = 6.0 X 3.6 X 2 + 0.3 FB = 43.50 KLD.

RAIN WATER HARVESTING CHAMBER CALCULATION:-

TOTAL TERRACE AREA = 858.02 SQM.
REQUIRED VOLUME FOR R.W.H CHAMBER
= 858.02 X 6 / 100 = 51.48 CUM.
PROVIDED CHAMBER (3.0 Ø X 10.0 M. DEEP)
= (22/7 X D²/4) X H = 3.14 X (3.0 X 3.0 / 4) X 10 = 70.65 SQM.

PROPOSED 1 CHAMBER = 1 X 70.65 = 70.65 SQM.

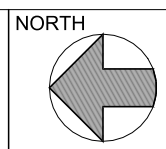
PROJECT:

PROPOSED JALALPUR MEGA MART
AT PHULWARI SHARIF, PATNA, BIHAR
FOR M/S : JALALPUR INFRASTRUCTURE PVT. LTD.
THROUGH ITS DIRECTOR
UTTAM KUMAR
S/O LATE ISHWARI SINGH
PLOT NO. - 487,
THANA NO. - 40,
TAUZI - 5127,
KHATA NO. - 11,
DIST. - PATNA.

SHEET TITLE:

SITE PLAN

SCALE = 1:100
OR
Mentioned



SHEET NO. - 01

SIGNATURE OF OWNER/ FIRM / COMPANY

ARCHITECT:

DES ARC
ARCHITECTS, INTERIORS, PLANNING
UGSR - 1A, ANSAL PLAZA, SECTOR - I, VAISHALI, GZB
PH: 0120 - 4140410 M: 0-9819711273
EMAIL: desarc14@gmail.com

Nishant Shekhar
NISHANT SHEKHAR
CA/2006/39203

SHATENDRA KUMAR
SHATENDRA KUMAR
Engineer (P.E.) No. 575815/15
Nagpur, Maharashtra

SIGNATURE OF ARCHITECT

SIGNATURE OF STRUCTURAL ENGINEER

FIRE FIGHTING LEGEND:-

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

LEGEND:-

IRRIGATION:-

100Ø IRRIGATION LINE

FIRE LEGEND

FHC	FIRE HOSE CABINET
UP RIGHT	UP RIGHT TYPE SPRINKLER
PENDENT	PENDENT TYPE SPRINKLER
SIDE WALL	SIDE WALL SPRINKLER
9 Ltr.	9 Ltr. WATER GAS PRESSURE TYPE FIRE EXTINGUISHER
4.5 kg CO ²	4.5 kg CO ² TYPE FIRE EXTINGUISHER
SLUICE	SLUICE VALVE
NON-RETURN	NON-RETURN VALVE
FLOW INDICATING	FLOW INDICATING SWITCH
ELECTRICAL CALL POINT	ELECTRICAL CALL POINT SWITCHES FOR THE ALARM SYSTEM.
AREA COVERED WITH AUTOMATIC HEAT SMOKE DETECTOR	AREA COVERED WITH AUTOMATIC HEAT SMOKE DETECTOR AS PER I.S.S.

FD	DOUBLE LEAF DOUBLE SWING SELF CLOSING FIRE RESISTING DOOR
H	HOUSE RULES AS PER I.S.S.T.A.C. RECOMMENDATIONS DULY CONNECTED WITH THE WET RISER SYSTEM.
L	LANDING VALVES AS PER I.S.S.T.A.C. RECOMMENDATIONS DULY CONNECTED WITH THE WET RISER SYSTEM.
LS	LOUD SPEAKER OUTLETS FOR THE PUBLIC ADDRESS SYSTEM.
M	MICRO PHONE POSITION FOR THE PUBLIC ADDRESS SYSTEM.
FIP	FLOOR INDICATOR PANELS FOR THE AUTOMATIC FIRE ALARM SYSTEM AS PER I.S.S.
W	WATER CO2 TYPE PORTABLE EXTINGUISHER OF 9 LITRE CAPACITY.
EAM	EAM CONNECTION TO THE WET RISING SYSTEM.
EXTD	EXIST DIRECTIONAL SIGN.
PC	PORTABLE CHEMICAL B.C.F. EXTINGUISHER OF 3.5 KG CAPACITY.

STORM WATER DRAINAGE:-

— —	DRAINAGE LINE
⊕	DRAINAGE CIRCULAR MANHOLE
⊞	DRAINAGE MANHOLE
G.L.	GROUND LEVEL
I.L.	INVERT LEVEL
C.L.	CONNECTION LEVEL
SIZE OF PIPE	SLOPE
250Ø	1:300
300Ø	1:350

LEGEND:-

SEWERAGE:-	
— —	SEWER LINE
⊕	SEWERAGE CIRCULAR MANHOLE
⊞	SEWERAGE MANHOLE
G.L.	GROUND LEVEL
I.L.	INVERT LEVEL
C.L.	CONNECTION LEVEL
SIZE OF PIPE	SLOPE
300Ø	1:245

LEGEND

▨	F.A.R AREA
▩	GREEN AREA
- - -	BASEMENT LINE
- . - . -	SETBACK LINE

