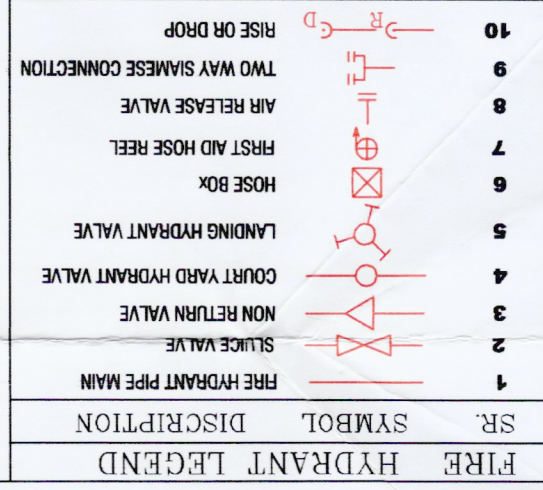




1. HYDRANT SYSTEM:

On each floor, switches located near the hose reel hose or hydrant outlet, (NORFLO) switches located near the underground water tank with a capacity to discharge 900 litres per minute at 5 bar, pressure as required for the buildings exceeding 18 meters and above 16 meters height should not be less than 100 mm, internal diameter. The rear of the Rear for the buildings exceeding 18 meters and above 16 meters height should be installed at the terrace level.

2. FIRE LIFT :

The Fire-Lift and all the lifts should have a provision to ground automatically in case of electricity failure. Each building should have at least one lift as a Fire-Fall-Lift. If the building is divided into two or more parts then each part should have two or more downers or up pressure the lift-well so connected that it will automatically operate when alarm call point is operated, so that it prevents the lift well getting smoke logged.

3. FIRE ALARM :

Fire alarm call point to be installed at each floor with sounders capable of being heard all throughout the building.

4. FIRE EXTINGUISHERS

One Carbon Dioxide (CO2) type extinguisher of 4.5 kg, with ISI mark, and one extinguisher of dry Chemical Powder (DCP) type extinguisher with ISI mark, should be installed on each floor in case of commercial building.

5. STAIRCASE :

The staircases shall be to open from at least one or two sides but if the staircase is a centre core the building it has to be pressurized to prevent it from getting smoke logged.

6. BASEMENT :

The basement of 200 sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for each floor. A fire alarm call point should be provided by a Hydrant outlet and two 25 mm. bore hose reel hoses with 8 m. bore nozzles at the basement level.

7. LIGHTNING ARRESTER :

A lightning arrester should also be installed and be properly earthed and the property damage to the building when the lightning strikes.

8. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES :

If the building falls in a confined area or it has an enclosed staircase or is not well-lit up on the stairs, then adequate photo luminescent (auto glow) signage's should be displayed at each floor, (pathway / doorway / dead-end and along all the stairs to the ground level. The signage should indicate the direction of the safety equipment leading to the ground level.

9. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE-SAFETY SYSTEM

The alarm system, staircase pressurization system and fire should be made available from the main electrical supply. Electrical supply to the building is switched off at the time of fire.

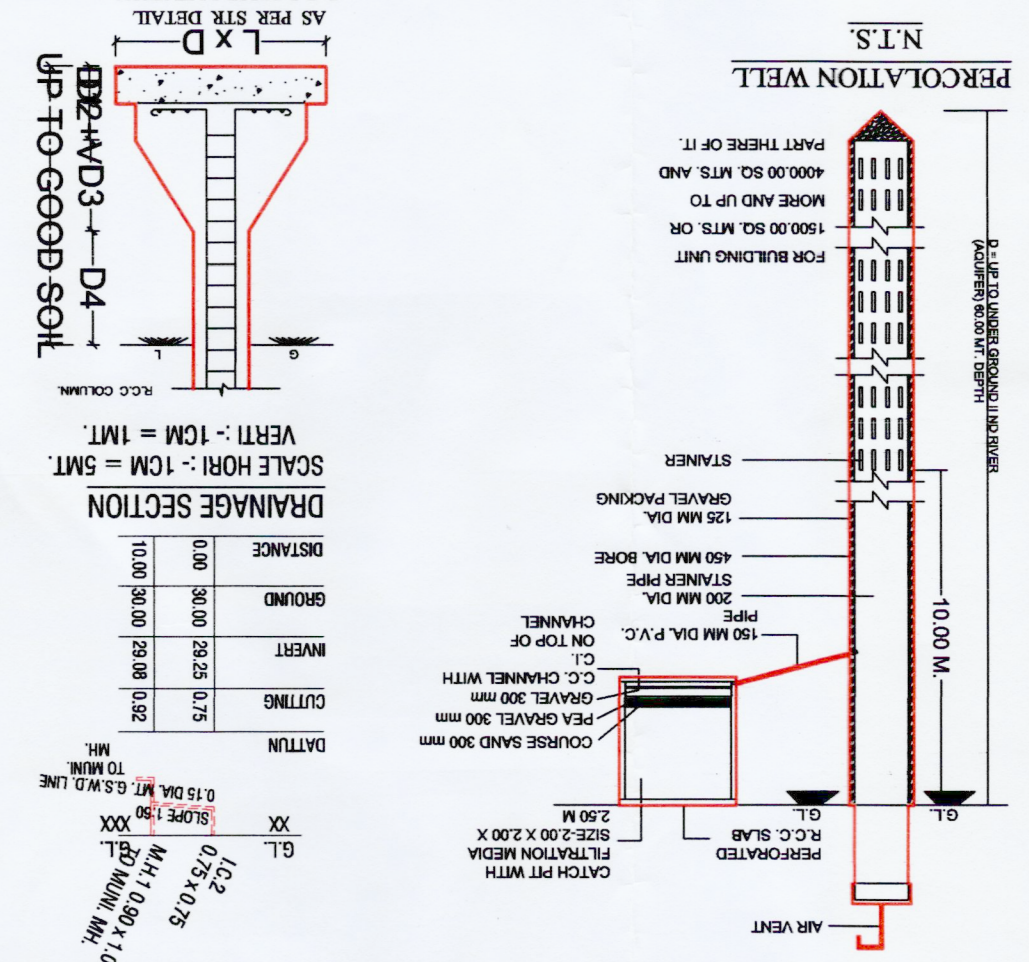
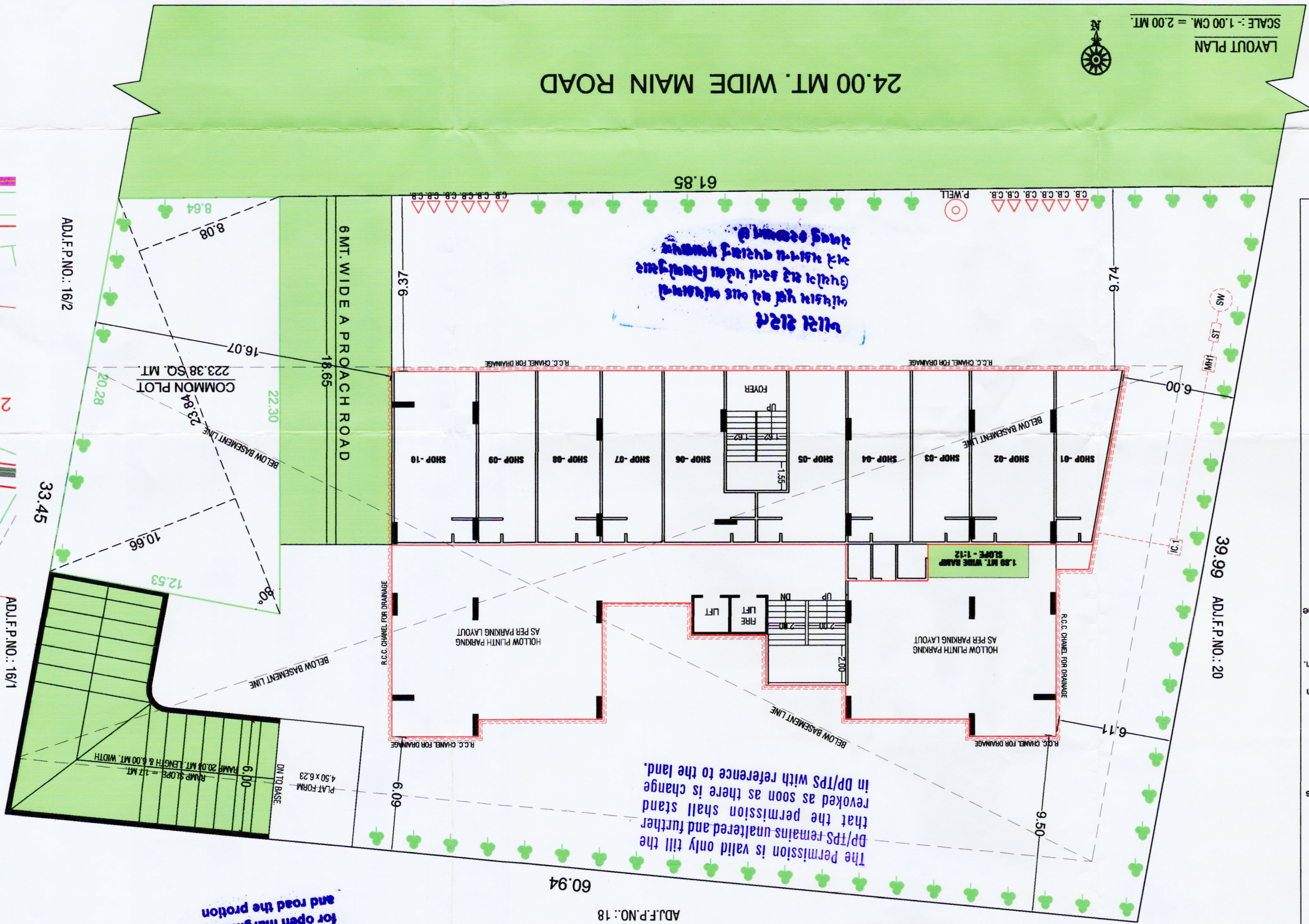
10. INDIVIDUAL FIRE SAFETY SYSTEM

FIRE SAFETY SYSTEM SHOULD BE PROVIDED IN INDIVIDUAL SHOW ROOM BY OWNER

IMPORTANT INSTRUCTIONS:

After inspection of a low-rise building by the fire service authority, if the fire officer concerned feels the need for additional fire prevention/protection measures (ventilation system required for equipment / i.e. - Passive system / suppression system / Fire door - Window / Detection system / Alarm system / Sprinkler / Detector etc.) (as per Para 6 / French / Public gathering.

Fire safe additional measures / equipment have to be implemented / installed

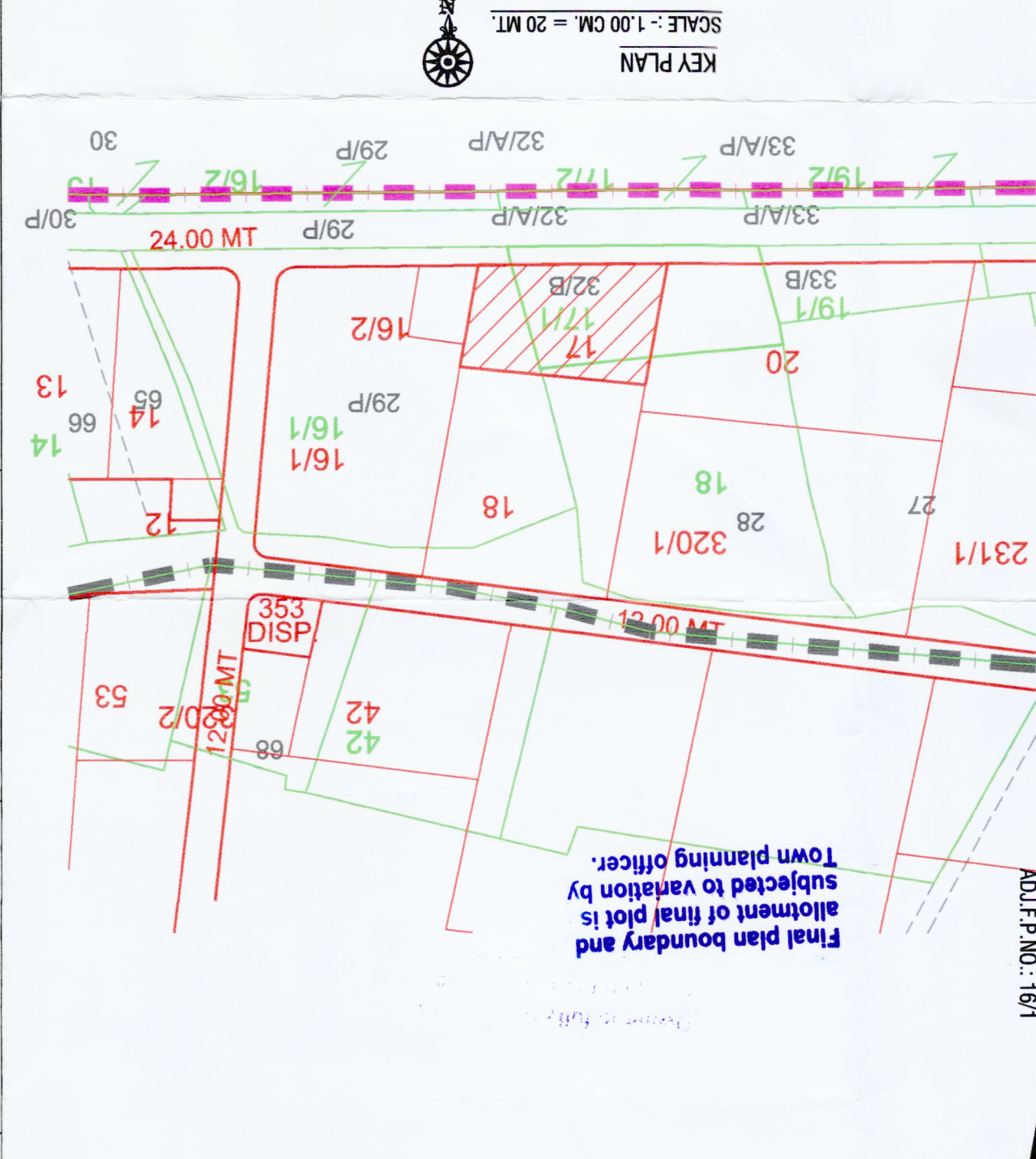


PERCOLATING WELL CALC:-
REQ. 1500 TO 4000 SMT = 1 NOS.
2229.00 / 4000.00 = 0.56 NOS.
SAY REQ. P.WELL = 1 NOS.
PROVL. P.WELL = 1 NOS.
TRT PLATATION CAL. :
1000 SQ. MT. = 2229.00 SQ.MT.
200.00 SQ. MT. = 5 NOS. TREE REQ.
2229.00 / 200 x 5 = 56.73 NOS.
PROVIDE 56 NOS. TREE.
CONTAINER BIN AREA CALC. :
RES. 1 : UNIT 10 LT. REQ. 1 CONTAINER
TOTAL UNIT 60 X 10 LT. = 600 LT.
600 / 80 = 7.50 NOS.
REQ. 8 NOS BIN OF 80 LT CAP.
PROVL. 8 NOS BIN OF 80 LT CAP.
CONTAINER BIN AREA CALC.
COMM. : 100 SQ.MT. CARPET AREA
1 NOS BIN OF 20 LT. CAP.
TOTAL CARPET 585.81 X 20/100 = 117.17.16 LT.
117.05/80 = 1.46 SAY 2 NOS
CONTAINER

**Owner is fully responsible
for open marginal space
and road the proton**

COMMON PLOT		=	223.38
(10.66 + 4.89) / 2 x 23.84			
SANTARY PROVISION			
GROUND FLOOR			
FLOOR AREA = 585.81 SQ.MT.			
585.81 / 4 = 146.45 SAY 147 USERS			
ASSUM 50% MALE & 50% FEMALE			
MALE = 74 PERSON			
FEMALE = 73 PERSON			
REQ.	MALE	W.C.	FEMALE
UP TO 100	4	1	4
101 TO 500	0	1	1
> 500	0	1	0
TOTAL	4	3	5
COMMON SANTARY PROVISION 25% OF TOTAL REQ.			
REQ.	W.C.	MALE	FEMALE
UP TO 100	1	1	1
101 TO 500	1	1	1
> 500	1	1	1
TOTAL	3	3	3
PROVIDED 11 TOILET IN EACH UNITS			
1 TOILET FOR PHYSICALLY HANDICAP PERSON			

AREA TABLE		IN SQ.MTS.			
FLOOR	USE	UNIT	FLOOR AREA	F.S.I. AREA	B.U.P. AREA
BASEMENT	PARKING	---	---	---	1391.43
	PARKING	---	---	---	279.40
GR.F.L.	PARKING	---	---	---	366.07
1ST.F.L.	COMM.	10	343.81	267.90	340.06
1ST.F.L.	RESI.	03	267.90	267.90	271.45
2ND.F.L.	RESI.	05	448.57	448.57	553.80
3RD.F.L.	RESI.	05	448.57	448.57	553.80
4TH.F.L.	RESI.	05	448.57	448.57	553.80
5TH.F.L.	RESI.	05	448.57	448.57	553.80
6TH.F.L.	RESI.	05	448.57	448.57	553.80
7TH.F.L.	RESI.	05	448.57	448.57	553.80
8TH.F.L.	RESI.	05	448.57	448.57	553.80
9TH.F.L.	RESI.	05	448.57	448.57	553.80
10TH.F.L.	RESI.	05	448.57	448.57	553.80
11TH.F.L.	RESI.	05	448.57	448.57	553.80
12TH.F.L.	RESI.	05	448.57	448.57	553.80
13TH.F.L.	RESI.	02	179.77	179.77	262.14
STAIR CABIN	---	---	---	---	83.00
0.H.W.T. & L.M.R.	---	---	---	---	34.80
TOTAL	COMM.	17	585.81	585.81	9120.15
	RESI.	60	5381.94	5381.94	
	+	77	5967.75	5967.75	
	+	60	5381.94	5381.94	



LAYOUT PLAN SHOWING PROPOSED RESIDENTIAL AFFORDABLE HOUSING ON R.S.NO.: 32/A/P, AT VILLAGE : RANDESAN, TA & DIST.: GANDHINAGAR.	
SCALE : 1:50 CM = 2.00 MT ZONE : INSTITUTIONAL ZONE - 4 (4-4) USE : RESIDENTIAL AFFORDABLE HOUSING	
AREA TABLE IN SQ.MTRS	PLOT AREA REQ. COMMON PLOT @ 10% PROV. COMMON PLOT PERMI. BASE F.S.I. AREA @ 1.20 (2229.00 x 1.20) CHARGABLE F.S.I. @ 1.50 (2229.00 x 1.50) TOTAL BASE + CHARG F.S.I. AREA TOTAL PROPOSED F.S.I. AREA CHARGABLE F.S.I. AREA 3292.95
COLOUR NOTE PLOT BOUNDARY ROAD / PATHWAY REA. WORK APP. WORK 	
TREE CONTAINER BIN P.WELL 	