

1. HYDRANT SYSTEM:
 ON/OFF switches located near the hose reel hose or hydrant outlet, at least from the main floor to the underground water tank with a capacity to discharge 900 liters per minute at 3 bar, pressure as measured at the service level should be installed.
 The floor to the building according to 18 meters and above 18 meters height should be of at least 100 mm. alternate diameter. The size should be connected to the bottom of the terrace tank with a stop valve & MRV to act as a 'down-comer'.
 One size is required for every 10000 meters floor area and if the building is divided into two or more parts then each part should have a separate hose with the fittings of floor level. Each floor should have one hydrant outlet with a hose of length 30 meters from the hose reel. The length of the hose reel hose should be enough to reach the furthest corner of the floor. Hose reel with 15 meters long 50mm dia. hose and 12.5 mm. hose nozzle alternate floors. The hose reel hose should be coiled to the floor.
 Fire control panel should be installed at a point near the entry to the premises where a fire service vehicle can approach easily.
 A permanent hydrant post comprising of 63 mm dia size zone of hydrant valves should be installed in the terrace level.
 Overhead tank filling bypass connection should be done at the terrace level. The overhead tank should be of a capacity of not less than 20,000 liters. The underground tank should be of not less than 1,00,000 liters.

2. FIRE LIFT:
 The fire lift and all the lifts should have a provision for ground interruption in case of electricity failure. Each building should have at least one lift as a Fire Lift and if the building is divided into two or more parts then each part should have a Fire Lift. Lift should have two doors to protect the lift well and it should be automatically operated when alarm point is operated, so that it prevents the lift well getting smoke laden.

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

4. FIRE EXTINGUISHERS:
 One Carbon Dioxide (CO2) type extinguisher of 4.5 kg. and one extinguisher of 5kg. Dry Chemical Powder (DCP) type extinguisher with 50 mm dia. nozzle to be installed on each floor in case of commercial building.

5. STAIRCASE:
 The staircase has to be open from at least one or two sides but if the staircase is in the center core of the building it has to be pressurized to prevent it from getting smoke laden.

6. BASEMENT:
 The basement of 200 sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for actual car parking space. Additionally be protected by a hydrant outlet and two 25 mm. hose hose-reel hoses with 8 mm. hose nozzle at each car parking level.

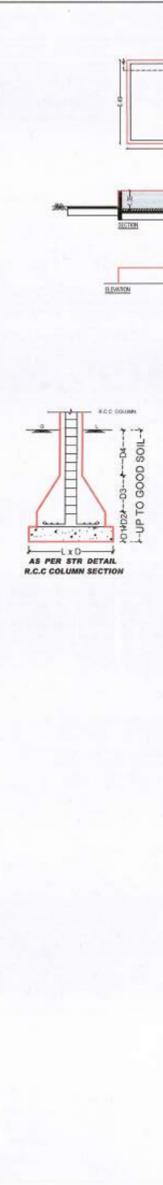
7. LIGHTNING ARRESTER:
 A lightning arrester should be installed and be properly earthed to prevent damage to the building when lightning strikes.

8. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES:
 If the building falls in a confined area or if it has an enclosed staircase or is not well lit up on the inside, then adequate photo luminescent (auto glow) signages should be displayed at each floor (landing/corridor) and at the exit and main entrance leading to the ground level. The signage should indicate fire fighting, fire safety equipment present on the respective floor/landing/corridor and at the exit of all routes leading to the ground level.

9. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE SAFETY SYSTEM:
 Electricity supply to the fire pump, fire alarm system, staircase pressurization system and fire lift should be made available from the main Electrical supply. It is from Electrical power supply of the company. This is to ensure availability of power supply to the fire protection & safety system even when the main 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 COMMON SHOW ROOM BY OWNER. IMPORTANT INSTRUCTIONS:
 After inspection of a low-rise building by the fire service authority, if the fire officer concerned has to issue any fire prevention/protection measures.

11. FIRE DOOR / WINDOW / DETECTION SYSTEM / ACTIVE SYSTEM / SPRINKLER / EXTINGUISHER etc.) or per fire load / French / Public gathering:
 (Prevent / Occupancy) / Confined area.
 These additional measures / equipment have to be implemented / installed.



COMMON PLOT AREA CALC. SQ.MT.
 (87.60 + 88.28) x 11.49 = 1010.43

SEC. CABIN AREA CALC. SQ.MT.
 2.00 x 2.00 x 2 = 8.00

ELE. SUB. ST. AREA CALC. SQ.MT.
 15.90 x 3.71 = 58.99

PERCOLATING WELL CALC.:
 REQ. 1500 TO 4000 SMT = 1 NOS.
 9030.00 4000.00 = 2.26 NOS.
 SAY REQ. P.WELL = 3 NOS.
 PROVI. P.WELL = 3 NOS.

FREE PLANTATION CALC.:
 PLOT AREA = 3091.30 SQ.MT.
 200.00 SQ. MT. = 5 NOS. TREE REQ.
 9030.00 / 200 x 5 = 225.75 NOS.
 PROVIDE 226 NOS. TREE.

COMMUNITY BIN CALCULATION FOR RESI.:
 COMMUNITY BIN REQUIRED 10 LT. CAPACITY PER 1 UNIT
 TOTAL 504 UNIT = 504 NOS. X 10 LT. = 5040 LT.
 CAPACITY COMMUNITY BIN REQD.
 COMMUNITY BIN PROVIDED 80 LT. X 63 NOS. = 5040 LT. CAPACITY.

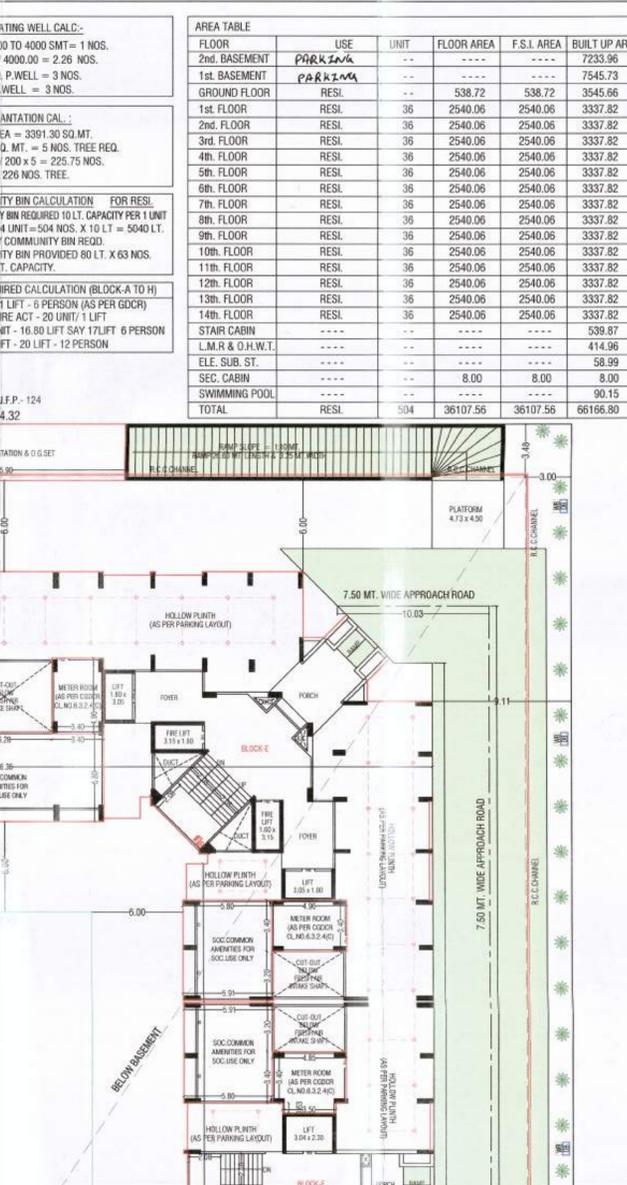
LIFT REQUIRED CALCULATION (BLOCK-A TO H):
 30 UNIT / 1 LIFT - 6 PERSON (AS PER GDCR)
 AS PER FIRE ACT - 20 UNIT / 1 LIFT
 SO 504 UNIT - 16.80 LIFT SAY 17 LIFT 6 PERSON
 PROVIDE 17 LIFT - 12 PERSON

BUILT UP AREA CALC. IN SQ.MTS
 GROUND FLOOR SWIMMING POOL: 16.42 x 5.49 = 90.15
 NET BUILT UP AREA ON GROUND FLOOR: 90.15

ADJ.F.P. - 124
 74.32

AREA TABLE

FLOOR	USE	UNIT	FLOOR AREA	F.S.I. AREA	BUILT UP AREA
2nd. BASEMENT	PARKING	--	--	--	7233.96
1st. BASEMENT	PARKING	--	--	--	7545.73
GROUND FLOOR	RESI.	--	538.72	538.72	3545.66
1st. FLOOR	RESI.	36	2540.06	2540.06	3337.82
2nd. FLOOR	RESI.	36	2540.06	2540.06	3337.82
3rd. FLOOR	RESI.	36	2540.06	2540.06	3337.82
4th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
5th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
6th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
7th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
8th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
9th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
10th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
11th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
12th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
13th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
14th. FLOOR	RESI.	36	2540.06	2540.06	3337.82
STAIR CABIN	---	---	---	---	539.87
L.M.R & O.H.W.T.	---	---	---	---	414.96
ELE. SUB. ST.	---	---	---	---	58.99
SEC. CABIN	---	---	8.00	8.00	8.00
SWIMMING POOL	---	---	---	---	90.15
TOTAL	RESI.	---	504	36107.56	36107.56



(RESIDENTIAL AFFORDABLE HOUSING) (01/11)

PLAN SHOWING PROP. RESIDENTIAL AFFORDABLE HOUSING BUILDING ON F.P. NO. - 123/2, O.P. NO. - 123/2, BLOCK NO. - 423/B OF D.T.P.S. NO. - 1 (SHELA), MOJE- SHELA, TA - SANAND, DIST. - AHMEDABAD.

SCALE: 1CM = 2.00 MT. BLOCK: A+B+C+D+E+F+G+H

ZONE AS PER R.O.P. 2021: RESIDENTIAL AFFORDABLE HOUSING ZONE-(RAH-1) USE: RESIDENTIAL (RAH) IN SQ. MTS

AREA TABLE

NO.	DESCRIPTION	AREA (SQ. MT.)
1	PLOT AREA OF F.P. - 123/2	9030.00
2	REQ. COMMON PLOT @ 10%	903.00
3	PROV. COMMON PLOT	1010.43
4	PERMIL. F.S.I. AREA @ 1.8 (9030.00 x 1.8)	16254.00
5	CHARGEABLE F.S.I. @ 2.2 (9030.00 x 2.2)	19866.00
6	TOTAL PERMIL. + CHARG. F.S.I. AREA	36120.00
7	TOTAL USED F.S.I. AREA	36107.56
8	CHARGEABLE F.S.I. AREA (36107.56 - 16254.00)	19853.56

COLOUR NOTE:

PLOT BOUNDARY	PROP. DRAINAGE	P. WELL
PROP. WORK	TREE	CONTAINER BIN

SCHEDULE FOR OPENING:

NO.	DESCRIPTION	WIDTH (MTR)	STAIR DETAILS
FD	1.50 X 2.10	W = 3.12 X 2.00	WIDTH = 2.08 MTR
D1	1.50 X 2.10	W1 = 1.80 X 2.00	TREAD = 0.30 MTR
D2	0.90 X 2.10	W2 = 1.40 X 2.00	RISE = 0.15 MTR
D3	0.75 X 2.10	V = 0.30 X 0.80	
		V1 = 0.80 X 0.80	

OWNER: VISHWANATH ESTATE DEVELOPERS (Partner-Dushyant M. Pandya) Lic. No. 111401802271128

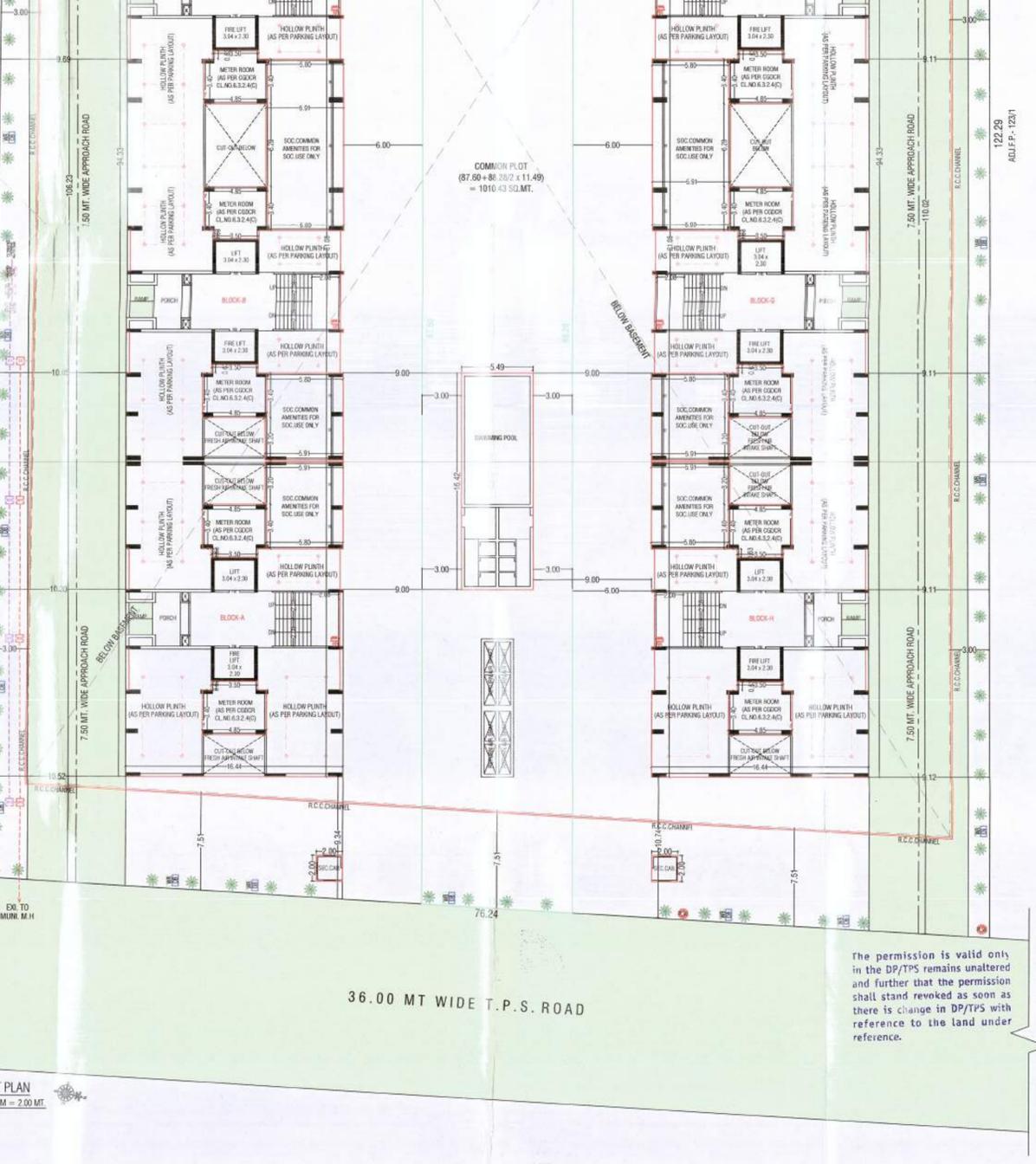
DEVELOPER: RISHABH J. PUROHIT AUDA/SUPERVISOR GRADE-1 Lic. No. 1114CW2303261088 A-301, BALESHWAR KRUPA, BOPAL, AHMEDABAD-380058.

STR. ENGINEER: NILESH L. PURANI M.C.E., A.I.I.A., Structured Designer Lic. No.: AUDA/SD-1/116

ENGINEER: RISHABH J. PUROHIT AUDA/ENGG. Lic. No. 1114EHR2303261102 A-301, BALESHWAR KRUPA, BOPAL, AHMEDABAD-380058.

Final Plan boundary and allotment of final plot is Subject to Verification by Town Planning Officer

Owner is fully responsible For open marginal space and road line Portion.



APPROVED
 As amended by Red (Colour) Subject to the condition as mentioned in this office letter PRM No. 121/21.03.22
 Dated: 24 MAR 2022

DISPATCH BY 39
 Note Approved by C.E.A.

JUNIOR TOWN PLANNER
 Ahmedabad Urban Development Authority
 Ahmedabad.

Senior Town Planner
 Ahmedabad Urban Development Authority
 Ahmedabad.

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