

(1) HYDRANT SYSTEM: ON/OFF SWITCHES LOCATED NEAR THE HOSE REEL, HOSE OR HYDRANT OUTLET. AT EACH FLOOR FOR THE MAIN PRESSURE AT UNDERGROUND WATER TANK WITH A CAPACITY TO DISCHARGE 50 LITERS PER MINUTE AT 3 BAR PRESSURE AS MEASURED AT THE TERRACE LEVEL. SHOULD BE INSTALLED.

(2) FIRE EXTINGUISHERS: THE RISER FOR THE BUILDING EXCEEDING 15 METERS HEIGHT SHOULD NOT BE LESS THAN 100 MM INTERNAL DIAMETER. THE RISER SHOULD BE CONNECTED TO THE BOTTOM OF THE TERRACE TANK WITH A STOP VALVE AND A RIVET TO ACT AS DOWN-COMER.

(3) ONE RISER IS REQUIRED FOR EVERY 1000 SQ. METERS FLOOR AREA AND THE BUILDING IS DIVIDED INTO TWO OR MORE PARTS THEN EACH PART SHOULD HAVE A SEPARATE RISER WITH ALL THE FITTINGS AT EACH FLOOR LEVEL.

(4) EACH FLOOR SHOULD HAVE ONE HYDRANT OUTLET WITH A COUPLING FOR ATTACHING A 63 MM DIA. HOSE, 25 MM BORE HOSE REEL HOSE WITH 8 MM SHUT-OFF NOZZLE AT EACH FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE ENOUGH TO REACH THE FARTHEST CORNER OR THE FLOOR HOSE-BOX WITH 15 METERS LONG 63 MM DIA. HOSE AND 12.5 MM BORE NOZZLE AT ALTERNATE FLOORS. THE HOSE-REEL HOSE SHOULD BE COUPLED TO THE RISER.

(5) FIRE SERVICE METER SHOULD BE INSTALLED AT A POINT NEAR THE ENTRY TO THE PREMISES WHERE A FIRE SERVICE VEHICLE CAN APPROACH EASILY.

(6) A PERMANENT HYDRANT POINT COMPRISING OF 63 MM DIA. SIZE 2 NOS. OF HYDRANT VALVES SHOULD BE INSTALLED AT THE TERRACE LEVEL.

(7) OVERHEAD TANK REFILLING BYPASS CONNECTION SHOULD BE DONE AT THE TERRACE LEVEL.

(8) THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NOT LESS THAN 60,000 LITERS. THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 1,00,000 LITERS.

(9) FIRE LIFT: THE FIRE LIFT AND ALL LIFTS SHOULD HAVE A PROVISION TO STOP AUTOMATICALLY IN CASE OF ELECTRICAL FAILURE. EACH BUILDING SHOULD HAVE AT LEAST ONE LIFT AS FIRE LIFT AND IF THE BUILDING IS DIVIDED INTO MORE PARTS THEN EACH PART SHOULD HAVE A FIRE LIFT. LIFT WELLS SHOULD HAVE DOORS TO PRESSURIZE THE LIFT WELL SO CONNECTED THAT IT WILL AUTOMATICALLY OPERATE WHEN ALARM CALL POINT IS OPERATE, SO THAT IF PREVENTS THE LIFT WELL GETTING SMOKE.

(10) FIRE ALARM: FIRE ALARM CALL POINT TO BE INSTALLED AT EACH FLOOR WITH SOUNDERS CAPABLE OF BEING HEARD ALL THROUGHOUT THE BUILDING.

(11) FIRE EXTINGUISHERS: ONE CARBON DIOXIDE (CO2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK AND ONE EXTINGUISHER OF 5 KG DRY CHEMICAL POWDER (D.C.P.) TYPE EXTINGUISHER WITH ISI MARK TO BE INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING.

(12) ONE CARBON DIOXIDE (CO2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK, OR TWO CARBON DIOXIDE (CO2) TYPE EXTINGUISHER OF 2 KG. CAPACITY ON EACH FLOOR AND 5 KG DRY CHEMICAL POWDER EXTINGUISHER WITH ISI MARK TYPE EXTINGUISHER ON ALTERNATE FLOOR IN CASE OF RESIDENTIAL BUILDINGS.

(13) IF THE BUILDING IS DIVIDED INTO TWO OR MORE PARTS THEN EACH PART SHOULD HAVE THESE EXTINGUISHERS INSTALLED.

(14) STAIRCASE: THE STAIRCASE SHALL BE OPEN FROM AT LEAST ONE OR TWO SIDES BUT IF THE STAIRCASE IS IN THE CENTRE CORE OF THE BUILDING IT TO BE PRESSURIZED TO PREVENT IT FROM GETTING SMOKE/LOOSE.

(15) THE RISER (DOWN-COMER) SHOULD BE LOCATED IN THE STAIRCASE OR CLOSE TO IT TO MAKE IT EASILY APPROACHABLE IN CASE OF FIRE FROM THE FLOOR BELOW OR ABOVE.

(16) LIGHTNING ARRESTER: A LIGHTNING ARRESTER SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTNING STRIKES.

(17) PHOTO LUMINESCENT (AUTO GLOW) SIGNS: IF THE BUILDING FALLS IN A CORNERED AREA OR IF IT HAS AN ENCLOSED STAIRCASE OR IS NOT WELL LIT UP ON THE RISER, THEN ADEQUATE PHOTO LUMINESCENT (AUTO GLOW) SIGNS SHOULD BE DISPLAYED AT EACH FLOOR LANDING/PATHWAY/STAIRCASE AND ALONG ALL EXIT ROUTES LEADING TO THE GROUND LEVEL. THE SIGNAGE SHOULD INDICATE FIRE FIGHTING, FIRE SAFETY, FIRST AID AND OTHER SAFETY EQUIPMENT PRESENT ON THE RESPECTIVE FLOOR LANDING/PATHWAY/STAIRCASE AND ALONG ALL EXIT ROUTES LEADING TO THE GROUND LEVEL.

(18) ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE-SAFETY SYSTEM: ELECTRICAL SUPPLY TO THE FIRE PUMP, FIRE ALARM SYSTEM, STAIRCASE PRESSURIZATION SYSTEM AND FIRE LIFT SHOULD BE MADE AVAILABLE FROM THE MAIN ELECTRICAL SUPPLY (FROM ELECTRICAL POWER SUPPLY OF THE COMPANY) THIS IS TO ENSURE AVAILABILITY OF POWER SUPPLY TO THE FIRE PROTECTION & SAFETY SYSTEM EVEN AFTER THE MAIN ELECTRICAL SUPPLY TO THE BUILDING IS SWITCHED OFF THE TIME OF FIRE.

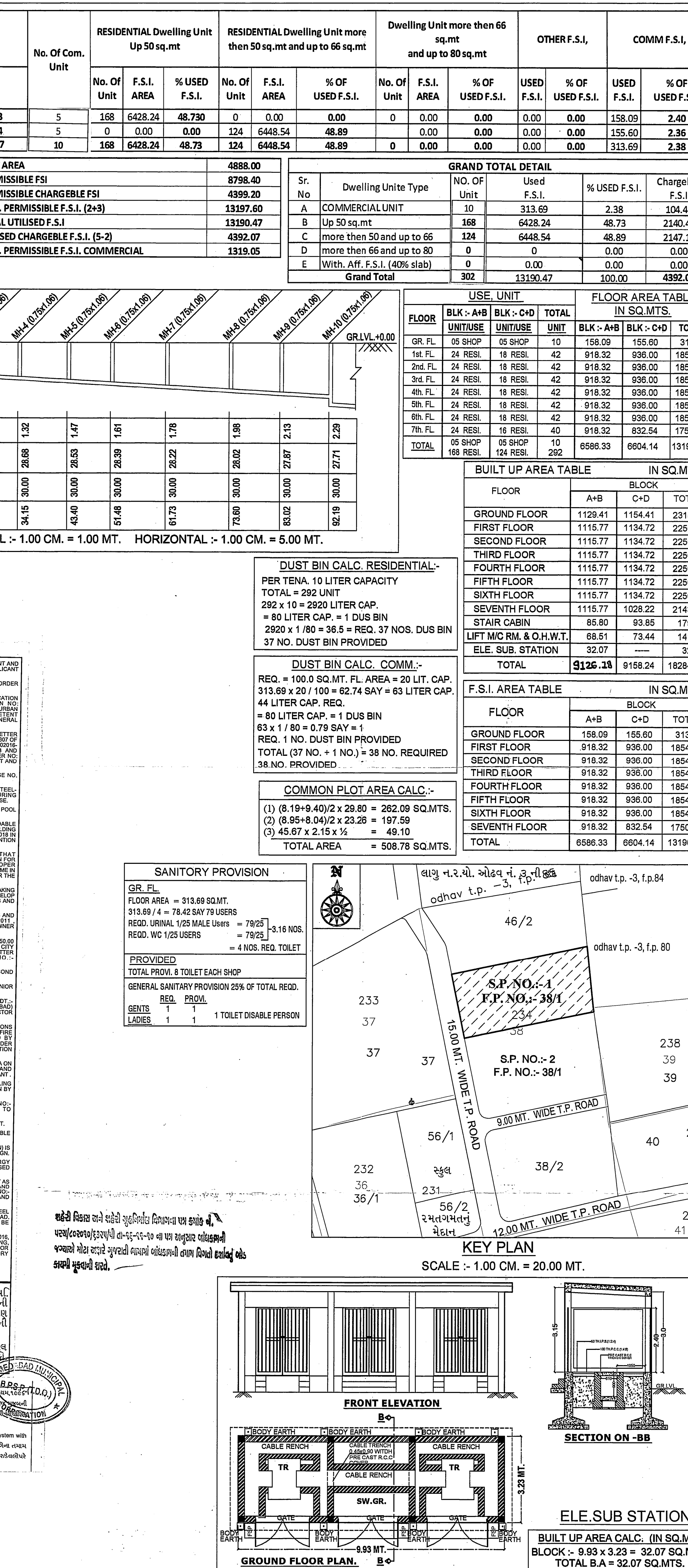
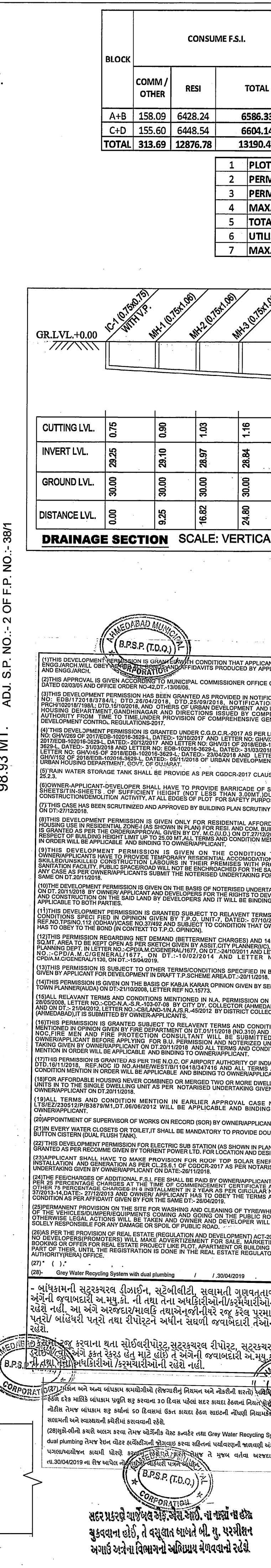
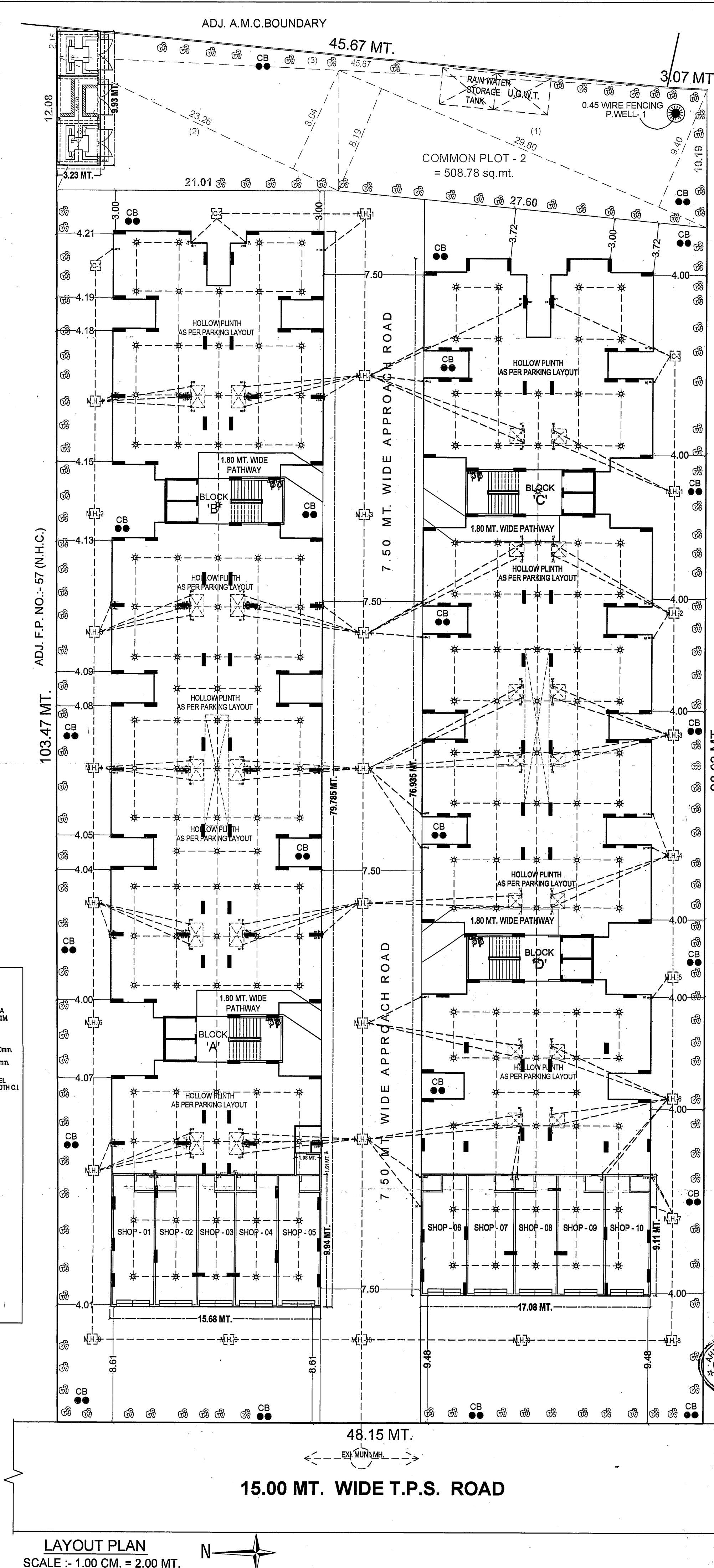
(19) IMPORTANT INSTRUCTIONS: AFTER INSPECTION OF ALLOWANCE BUILDING BY THE FIRE SERVICES AUTHORITY, IF THE FIRE OFFICER CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PREVENTION/PROTECTION VENTILATION SYSTEM REQUIRED OR EQUIPMENT (E.G. PASSIVE SYSTEM) SPRINKLER (OVERHEAD ETC.) AS PER FIRE FLOOD/FIRE RISK (PUBLIC GATHERING, POTENTIAL OCCUPANCY/COVERED AREA, THOSE ADDITIONAL MEASURES/EQUIPMENT HAVE TO BE IMPLEMENTED/INSTALLED.

(20) LEGEND: FIRE HYDRANT SYSTEM PIPE MAIN SINGLE HEADED HYDRANT VALVE SLOW VALVE TWO WAY SNAKE CONNECTION RISE OR DROP NON RETURN VALVE REDUCER FIRE HOUSE BOX HOSE REEL HOSE D.C.P. 50 KG. HYDRANT VALVE

(21) AIR VENT: PERFORATED R.C.C. SLAB. CATCH PAIL WITH FILTRATION MEDIA SIZE 20MM/25MM DIA. COARSE SAND 300mm. FINE GRAVEL 300mm. 100mm DIA. DRAIN ON TOP OF CHANNEL C.C. CHANNEL WITH G.I. 300mm DIA. P.V.C. PIPE. 200mm DIA. STAINLESS PIPE. 400mm DIA. BRASS DRAIN PACKING. STAINLESS PIPE. MORE AND UP TO 4000.00 SQ.MTS. FOR BUILDING UNIT 1000.00 SQ.MTS. OR PART THERE OF IT. NOTE: STRUCTURE DESIGN AS PER STRUCTURAL ENGINEER (THIS IS ONLY SKETCH PLAN).

(22) R.C.C. COLUMN SECTION: AS PER DETAIL GIVEN BY STR. ENGINEER.

SCRUTINIZE COPY NO. 227/A. DTS. 1/1/2021 TDO, BPSP, AMC



RESIDENTIAL AFFORDABLE HOUSING PROJECT LAYOUT PLAN

BLOCK :- A + B SHEET NO. :- A+B - 01/04

LAYOUT PLAN SHOWING PROP. RESI+COMM. AFFORDABLE HOUSING BUILDING ON S.P. NO.- 1, OF F.P.NO.-38/1, OF T.P.S. NO.-112 ODHAV(DRAFT) SUR NO.- 234/B/1, MOJE :- ODHAV, TA.- VATVA, DIST.- AHMEDABAD. SCALE : 1.00 CM. = 2.00 MT.

ZONE :- RESIDENCE - I (R1) USE :- RESI+COMM. (SHOP+DW-3)

AREA TABLE SQ.MTS.

NET PLOT AREA OF S.P. NO.- 1 OF F.P. NO.- 38/1	=	4888.00
REQUIRED COMMON PLOT AREA @ 10 %	=	488.80
PROVIDED COMMON PLOT AREA	=	508.78
PERMI. F.S.I. AREA @ 1/8 (4888.00 x 1/80)	=	8796.00
CHARGEABLE F.S.I. AREA AS PER BASE ZONE @ 0.90% (4888.00 x 0.90)	=	4399.20
TOTAL USABLE F.S.I. AREA (REGULAR + CHARGEABLE)	=	13190.47
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CHARGEABLE F.S.I. AREA (USED F.S.I. - 13190.47 - 8796.00)	=	4394.47

BUILT UP AREA TABLE SQ.MTS.

BUILT UP AREA ON GROUND FLOOR	=	2315.99
BUILT UP AREA ON FIRST FLOOR	=	2250.49
BUILT UP AREA ON SECOND FLOOR	=	2250.49
BUILT UP AREA ON THIRD FLOOR	=	2250.49
BUILT UP AREA ON FOURTH FLOOR	=	2250.49
BUILT UP AREA ON FIFTH FLOOR	=	2250.49
BUILT UP AREA ON SIXTH FLOOR	=	2250.49
BUILT UP AREA ON SEVENTH FLOOR	=	2143.99
BUILT UP AREA ON STAIR CABIN	=	179.65
BUILT UP AREA ON LIFT MACHINE RM & O.H.W.T.	=	141.95
TOTAL BUILT UP AREA	=	16284.42

F.S.I. AREA TABLE SQ.MTS.

F.S.I. AREA ON GROUND FLOOR	=	313.69
F.S.I. AREA ON FIRST FLOOR	=	1854.32
F.S.I. AREA ON SECOND FLOOR	=	1854.32
F.S.I. AREA ON THIRD FLOOR	=	1854.32
F.S.I. AREA ON FOURTH FLOOR	=	1854.32
F.S.I. AREA ON FIFTH FLOOR	=	1854.32
F.S.I. AREA ON SIXTH FLOOR	=	1854.32
F.S.I. AREA ON SEVENTH FLOOR	=	1750.86
F.S.I. AREA ON TOTAL F.S.I. AREA	=	13190.47

PER WELL CALC.:-

REQ. 4000.00 SQ.MTS. 1 PER WELL
4888.00 SQ.MTS. (7) PER WELL
4888.00 x 1 = 1.22 SAY = 2 NOS.
4000.00
PROVIDED - 2 NOS. PER WELL

TREE PLANTATION :-

REQD. - 200 SQ.MT. = 5 TREE
PLOT AREA - 4888.00 SQ.MT.
(4888.00/200) x 5 = 122.2
REQUIRED - 123 NOS. TREE
PROVIDED - 123 NOS. TREE

COLOUR CODE :-

PROP.WORK F.P.BOUNDARY
PROP.DRAIN COMMON PLOT
ROAD PARKING
PER WELL TREE
DUST BIN SPRINKLER

For, MUNI BUILDCON
S. P. PARTNER

OWNER
KESHAVPRYA CORP. PVT. LTD
SUHAG V. MIRANI
DEVLIC NO. 182010320
A/401-BLOCK-A, PENIL AVENUE,
NIKOL NARODA ROAD,
NIKOL, AHMEDABAD-382350.

DEVELOPER
ASHOK M. MISTRY
ENG. LIC. NO. ER-001602071 R3
220, Radhe Chamber, Opp. Mahavir Park, Part-4,
Vastral Road, Vastral, AHMEDABAD - 382 416.

STR. ENG.
TEJAS B. PARMAR
COW. LIC. NO. CW-0730010321
LIC. VALID TILL Dt. 01/03/2021
B/013, Madhav-99, Opp. Bhavani Park,
Miranat Cross Road, Vastral, A/bad-382418.

ENGINEER
C.O.W.

KEY PLAN
SCALE :- 1.00 CM. = 20.00 MT.

FRONT ELEVATION
SECTION ON-BB
ELE. SUB STATION
BUILT UP AREA CALC. (IN SQ.MT.)
BLOCK - 9.93 x 3.22 = 32.07 SQ.MTS.
TOTAL B.A. = 32.07 SQ.MTS.

Case No. :- BLNTE2071218/CD/CHV/047/R01M1 Zone: EAST
Plan Approved as per the Commencement Certificate and in the Commencement Certificate
Raja Chitthi Number 01/12/2018/A047/R01M1
Date: 30/04/2019

Authority
T.D. Inspector (B.P.S.P.)
Asst. T.D. (B.P.S.P.)

