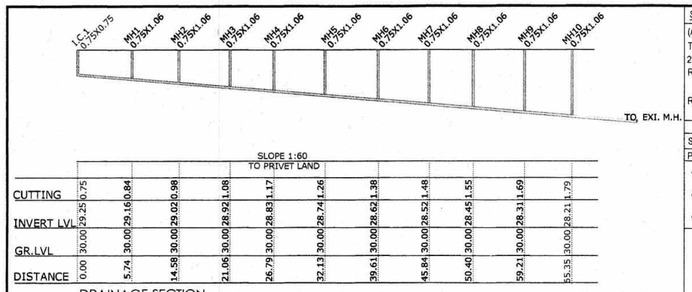


DRAINAGE SECTION
HORI. 1 CM = 5.0 MT
VERI. 1 CM = 1.0 MT

SANITARY PROVISION

(AS PER G.D.C.R. CL. NO-23.9.2)
TOTAL COMM. F.S.I. AREA = 227.66 SQ.MT.
227.66 / 4 = 56.92 SAY 57 PERSON
REQ. PER 50 PERSON 1 URINAL
57 PERSON 1 URINAL
REQ. PER 50 PERSON 1 W.C.
57 PERSON 01 W/C PER GENDER

	URINAL	W.C.
SANITARY REQ.	01 NOS	1 NOS PER GENDER
PROVI.	5 TOILET IN EACH SHOP	

- REQ. 25%%% COMMON SANITARY = 1 NOS. W.C. FOR EACH GENDER = 1 URINAL FOR MALE
- PROVIDE COMMON SANITARY = 1 NOS. W.C. FOR EACH GENDER + 1 URINAL FOR MALE
- ONE SP. H.D. TOILET

MAX PERMISSIBLE COOM. F.S.I. 10% OF USED F.S.I.
0.10 X 3027.87 = 302.78 SMT.
PROPOSED F.S.I. = 228.19 SMT.

DENSITY OF DWELLING UNIT
MAX PERMISSIBLE COOM. UNIT
0.06 X 1123 = 67.38 SAY 67
MIN. REQUIRED UNIT
0.0225 X 1123 = 25.26 SAY 26
PROPOSED UNIT = 35 NOS.

CONTAINER BIN CALC. (COMMRECIAL)
TOTAL FLOOR AREA = 228.19 SMT.
CONT REQD = 100 SMT. = 1 NOS (20 LTRS CAP)
MAXIMUM CAPACITY OF CONTAINER = 80 LTRS.
80 LTRS = 4 CONT = 1 CONTAINER(80 LTRS CAP)
= 228.19/ 400
= 0.57 CONTAINER REQUIRED
SAY = 1 NOS CONTAINER REQUIRED
TOTAL C.B PROVIDED = 1 NOS OF 80 LTR CAP.

CONTAINER BIN CALCULATION (RESIDENCE)
REQ. NOS. OF BIN @ 1 PER EVERY 8 NOS.
TOTAL NOS. OF UNIT = 35 NOS.
$= \frac{35}{8}$
REQ. & PROVI.= 5 NOS. 5 SAY NOS.

TREE PLANTATION CALCULATION
PLOT AREA :- 1123.00 SQ.MTS.
200 SQ.MTS. = 3 NO TREE REQD.
= 1123.00 x 3 / 200
= 16.84 NOS., SAY 17 TREES REQD.
= PROVI. 17 NOS TREES

PERCOLATING WELL CALC.
PLOT AREA :- 1123.00 SQ.MTS.
4000.00 SQ.MTS. = 1 NO PER. WELL
= 1123.00 / 4000
= SAY 0.28 NOS PER. WELL REQ.
= PROVI. 1 NOS PER. WELL

NOTES
- ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- THE DEPTH AND POSITION OF EXISTING MUNICIPAL MAINHOLE IS VERYFIED ME ON SITE AND PREMISES CAN GET DRAINAGE CONNECTION.
- IT IS CERTIFY THAT ACCORDING TO G.D.C.R.2021 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN .
- IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 4.5.3 OF THE G.D.C.R.2021, THE STRUCTURE OF THE BUILDING ISDESIGN AS PER THE NORMS OF THE INDIAN STANDARDS.
- DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.1.12 AND 23.14 AND 24.6 OF G.D.C.R.2021
- PEDESTRIANS RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.1.5 OF G.D.C.R.2021
- LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.12 AND 24.7 OF G.D.C.R.2021
- WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 23.8 OF G.D.C.R.2021
- SEPARATE LETTER BOX IS PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER CHEPTER NO. 24 OF G.D.C.R.2021
- ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 23.11
- DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 23.10
- SIGNAGES OF THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO. 23.7 OF THE G.D.C.R.2021
- ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 23.1.7 OF G.D.C.R.2021
- THE PAVING OF BUILDING UNIT/FINAL PLOT AS PER THE PROVI. OF THE CLAUSE NO. 23.1.4 OF G.D.C.R.2021
- THE STRUCTUE OF THE BUILDING IS AS PER THE NORMS OF THE SPECIFIED IN THE INDIAN STANDARD AND TAKENACESSARY ACTION FOR THE STRUCTRAL SAFETY DURING THE CONST.
- RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 27.2 OF G.D.C.R.2021
- COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 27.3 OF G.D.C.R.2021
- TREE PALNTATION IS PROVIDED AS PER THE CLAUSE NO. 27.5 OF G.D.C.R.2021
- MAINTANANCE AND UPGRADATION OF BUILDING IS AS PER CHAPETER NO. 29 OF G.D.C.R.2021
- NOTE :- **ALL UNITS ARE AND PERTAINING AS PER THE PROVISION OF THE CLAUSE NO. 27.1 OF G.D.C.R.2021 CHARGEABLE F.S.I. IS 40%%% OF JANTRI RA'E**

RESI.+COMM. AFFORDABLE HOUSING PROJECT

PLAN SHOWING RESI.+COMM. BUILDING ON F.P. -38
BLOCK NO. - 427, DRAFT T.P.S. -53 A (SHILAJ-HEBATPUR-THALTEJ)
AT SHILAJ,TA.:-GHATLODIYA , DIST. :- A'BAD.

SCALE : 1.00 CM = 1.00 MT

ZONE :- BASE ZONE PART RII & PART RIII (OVERLAY ZONE RAH)

USE:- RESI.+COMM.(AFFORDABLE HOUSING)

TOTAL F.P. AREA ON F.P. NO. 38	1123.00
AREA TABLE :-	TOTAL
PLOT AREA	1123.00
PERMI. F.S.I. @ 1:1.8 OF PLOT(1123.00 X 1.8)	2021.40
PERMI.CHARGEABLE F.S.I. @ 0.9 OF PLOT (1123.00 X 0.9)	1010.70
TOTAL PERMI.F.S.I. WITH CHARGEABLE F.S.I.(2021.4+1010.7)	3032.10
F.S.I. AREA ON GROUND FLOOR	228.19
F.S.I. AREA ON FIRST FLOOR	400.03
F.S.I. AREA ON SECOND FLOOR	400.03
F.S.I. AREA ON THIRD FLOOR	400.03
F.S.I. AREA ON FOURTH FLOOR	400.03
F.S.I. AREA ON FIFTH FLOOR	400.03
F.S.I. AREA ON SIXTH FLOOR	400.03
F.S.I. AREA ON SEVENTH FLOOR	400.03
TOTAL F.S.I. AREA	3028.40
PROP. CHARGEABLE F.S.I. (3028.18 - 2021.40)	1007.00
BUILT UP AREA TABLE :-	TOTAL
BUILT UP AREA ON BASEMENT	587.05
BUILT UP AREA ON GROUND FLOOR (SHOP+PARKING)	511.24
BUILT UP AREA ON FIRST FLOOR	489.57
BUILT UP AREA ON SECOND FLOOR	489.57
BUILT UP AREA ON THIRD FLOOR	489.57
BUILT UP AREA ON FOURTH FLOOR	489.57
BUILT UP AREA ON FIFTH FLOOR	489.57
BUILT UP AREA ON SIXTH FLOOR	489.57
BUILT UP AREA ON SEVENTH FLOOR	489.57
BUILT UP AREA ON STAIR CABIN	80.68
BUILT UP AREA ON LIFT ROOM & O.H.W.T.	52.82
TOTAL BUILT UP AREA	4658.78

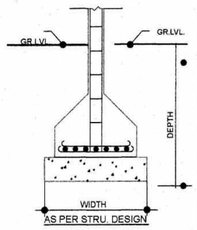
	USE	EQ. TENA		FLOOR AREA
BASEMENT	PARKING	--		
GROUND FLOOR	COMM+PAR.	05	--	228.19
FIRST FLOOR	RESI.	05		400.03
SECOND FLOOR	RESI.	05		400.03
THIRD FLOOR	RESI.	05		400.03
FOURTH FLOOR	RESI.	05		400.03
FIFTH FLOOR	RESI.	05		400.03
SIXTH FLOOR	RESI.	05		400.03
SEVENTH FLOOR	RESI.	05		400.03
TOTAL	RESI.	05 +	35	3028.40

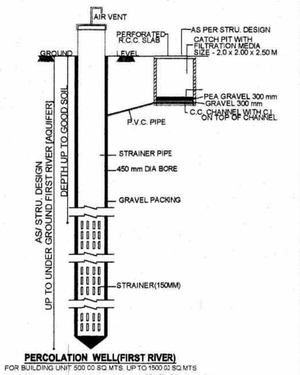
SCHEDULE OF OPENING

DOOR	WINDOW WITH SAFETY GRILL	VANTILATION
S.D = 2.13 x 2.10	W = 2.13 x 1.20	V = 0.60 x 0.60
S.D.1 = 1.75 x 2.10	W1 = 1.22 x 1.20	V1 = 0.46 x 0.60
MD = 1.20 x 2.10	W2 = 0.90 x 1.20	V2 = 3.00 x 0.45
D = 1.07 x 2.10		
D1 = 0.91 x 2.10		
D2 = 0.76 x 2.10		

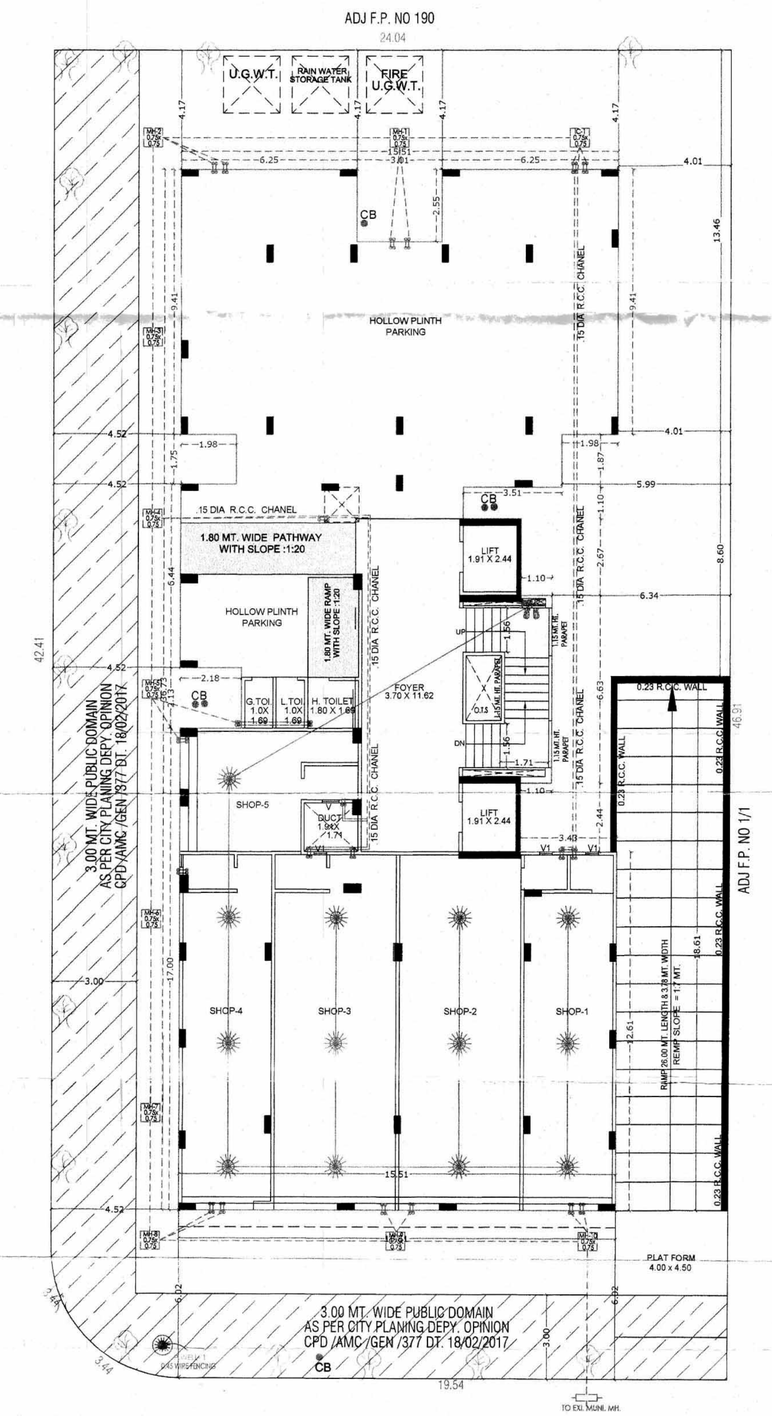
1.56 MT	WIDTH	PROP WORK	TREE
0.25 MT	TREAD	PROP. DRAINAGE	CONTAINER BIN △
0.18 MT	RISER	ROAD	F.WELL ○
		PLOT BOUNDRY	

KEY PLAN
SCALE :- 1 : 20 MT.





PERCOLATION WELL(FIRST RIVER)
FOR BUILDING UNIT 500.00 SQ.MTS. UP TO 1500.00 SQ.MTS



GROUND FLOOR PLAN
LAYOUT PLAN
SCALE 1.00 CM = 1MT.

(1) HYDRANT SYSTEM :
ON/OFF SWITCHES LOCATED NEAR THE HOSE REEL HOSE OR HYDRANT OUTLET, AT EACH FLOOR FOR THE MIN FIRE-PUMP AT
UNDERGROUND WATER TANK WITH A CAPACITY TO DISCHARGE 900 LITERS PER MINUTE AT 3 BAR PRESSURE AS MEASURED AT THE TERRACE LEVEL SHOULD BE INSTALLED
THE RISER FOR THE BUILDINGS EXCEEDING 18 MITERS HEIGHT SHOULD NOT BE OF LESS THAN 100 MM. INTERNAL DIAMETER.
THE RISER SHOULD BE CONNECTED TO THE BOTTOM OF THE TERRACE TANK WITH A STOP VALVE AND A NRV TO ACT A DOWN-COMER.
ONE RISER IS REQUIRED FOR EVERY 1000 SQ. METERS FLOOR AREA AND IF 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
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.
FIRE - SERVICE INLET SHOULD BE INSTALLED AT A POINT NEAR THE ENTRY TO THE PERMISES WHERE A FIRE SERVICE VEHICLE CAN APPROACH EASILY.
A PERMANENT HYDRANT POINT COMPRISING OF 63 MM DIA SIZE 2 NOS OF HYDRANT VALVES SHOULD BE INSTALLED AT THE TERRACE LEVEL
OVERHEAD TANK REFILLING BYPASS CONNECTION SHOULD BE DONE AT THE TERRACE LEVEL
THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NOT LESS THAN 20,000 LITERS. THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 100,000 LITERS.
(2) FIRE LIFT :
THE FIRE-LIFT AND ALL LIFTS SHOULD HAVE A PROVISION TO GROUND TO AUTOMATICALLY IN CASE OF ELECTRICITY FAILURE . EACH BUILDING SHOULD HAVE AT LEAST ONE LIFT AS A FIRE-LIFT AND IF THE BUILDING IS DIVIDED INTO A MORE PARTS THEN EACH PART SHOULD HAVE A FIRE-LIFT. LIFT-WELL SHOULD HAVE BLOWERS 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 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 (CO 2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. AND ONE EXTINGUISHER OF 5 KG. DRY CHEMICAL POWDER (DCP) TYPE EXTINGUISHER WITH ISI MARK TO INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING
ONE CARBON DIOXIDE (CO 2) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK. OR TWO CARBON DIOXIDE (CO_2) TYPE EXTINGUISHER OF 2 KG. CAPACITY ON EACH FLOOR AND 5 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE EXTINGUISHER ON ALTERNATE FLOOR IN CASE OF RESIDENTIAL BUILDINGS.
IF THE BUILDING IS DIVIDED INTO TWO OR MORE PARTS THEN EACH PART SHOULD HAVE THESE EXTINGUISHERS INSTALLED .
(5) STAIRCASE :
THE STAIRCASE HAS TO BE OPEN FROM AT LEAST ONE OR TWO SIDES BUT IF THE STAIRCASE IS IN THE CENTRE CORE OF THE BUILDING IT HAS TO BE PRESSURIZED TO PREVENT IT FROM GETTING SMOKE LOGGED.
THE RISER / DOWN - COMER SHOULD BE LOCATED IN THE STAIRCASE OR CLOSE TO IN TO MAKE IT EASILY APPROACHABLE IN CASE OF FIRE FROM THE FLOOR BELOW OR ABOVE
THE BASEMENT OF 200 SQ. METERS OR MORE SHOULD BE PROTECTED WITH AUTOMATIC SPRINKLER SYSTEM WITH AT LEAST ONE SPRINKLE HEAD FOR ACTUAL CAR PARKING SPACE.
ADDITIONALLY BE PROTECTED BY A HYDRANT OUTLET AND TWO 25 MM BORE HOSE- REEL HOSES WITH 8MM BORE NOZZLES AT EACH BASEMENT LEVEL
(7) LIGHTENING ARRESTER :
A LIGHTENING ARRESTER SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTENING 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) SIGNAGE'S SHOULD BE DISPLAYED AT EACH FLOOR / LANDING / PATHWY / DEAD-END AND ALONG ALL EXIT ROUTES LANDING TO THE GROUND LEVEL. THE SIGNAGE SHOULD INDICATE FIRE FIGHTING, FIRE SAFETY, FIRST-AID AND OTHER SAFETY EQUIPEMENT PRESENT ON THE RESPECTIVE FLOOR / LANDING / PATHWAY / DEAD - END AND ALONG ALL EXIT 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. (I.E. 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.

AFTER INSPECTION OF A LOW-RISE BUILDING BY THE FIRE SERVICES AUTHORITY . IF THE FIRE OFFICER CONCERNED FEELS THE NEED FOR ADDITIONAL FIRE PREVENTION / PROTECTION / VENTILATION SYSTEM REQUIRED OR EQUIPEMENT (I.E. PASSIVE SYSTEM / SPRINKLER / DRENCHER ETC.) AS PER FIRE LOAD / FIRE RISK / PUBLIC GETHERING POTENTIAL / OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPEMENT HAVE TO B E IMPLEMENTED / INSTALLED.

(11) LENGED

1 FIRE HYDRANT SYSTEM PIPE MAIN
2 SINGEL HEADED HYDRANT VALVE
3 SLUICE VALVE
4 TWOWAY SIAMES CONNECTION
5 RISE OR DROP
6 NON RETURN VALVE
7 REDUCER
8 FIRE HOUSE BOX
9 HOSE REEL HOSE
10 D.C.P. &CO.2
11 HYDRAUNT VALVE

AMIT KUMAR K. BHARVAD
AMC C.O.W-II
Ashirvarchan Bunglow,
Opp. Rushikesh School, Sarkhej, Ahmedabad.
Lic No. CW 0775290821

SHREE RANG DEVELOPER
AMC DEV LIC No.2921604/20
29, TULSI SOCIETY, C.T.M., AHD

COW

DEV

OWNER

Pandya Rajesh B.
AMC Engg.
21. Amrutbag Society,
Jivrajpark, Ahmedabad-51
Lic No. 0675318318R1

ENGINEER

TUSHAR SOLANKI
Structural Designer (G-1)
Opp. Rajul Complex,
Opp. Police Station,
Rambaug, Maninagar,
AHMEDABAD-8,
SD0254060619 R2/00/06/2014

ST-ENGINEER

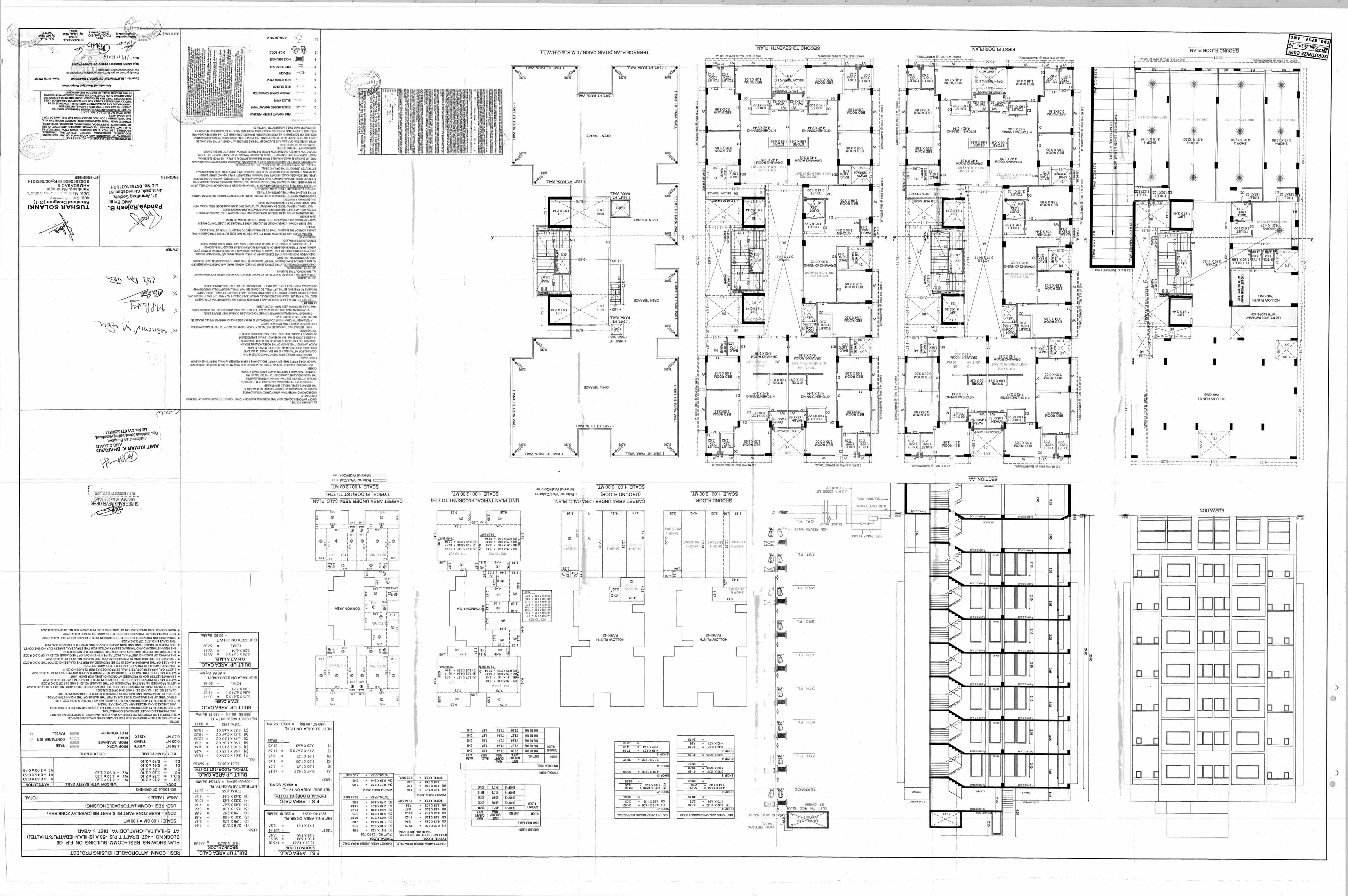
SCRUTINIZE COPY
TDO, BPSP , AMC

RESPONSIBILITY (G.D.C.R.-2021 C.L. NO. 4.3.4.4 & 4.5) :-
APPROVAL OF DRAWINGS AND ACCEPTANCE OF ANY STATEMENT, DOCUMENTS, STRUCTURAL REPORT, STRUCTURAL DRAWINGS, PROGRESS, CERTIFICATE OR BUILDING COMPLETION CERTIFICATES SHALL NOT DIMINISH THE OWNER, ENGINEER, ARCHITECT, CLERK OF WORK/SITE SUPERVISOR, STRUCTURAL DESIGNER, DEVELOPER, OWNER FROM THEIR RESPONSIBILITIES , IMPOSED UNDER THE ACT, THE DEVELOPMENT CONTROL REGULATIONS AND THE LAWS OF TORT AND LOCAL ACTS.
LIABILITY (G.D.C.R.-2021 C.L. NO. 3.3.1) :-
NOTWITHSTANDING ANY DEVELOPMENT PERMISSION GRANTED UNDER THIS ACT AND THESE REGULATIONS, ANY PERSON UNDERTAKING ANY DEVELOPMENT WORK SHALL CONTINUE TO BE WHOLLY AND SOLELY LIABLE FOR ANY INJURY OR DAMAGE OR LOSS WHATSOEVER THAT MAY BE CAUSED TO ANY ONE IN OR AROUND THE AREA DURING SUCH CONSTRUCTION AND NO LIABILITY WHATSOEVER IN THIS REGARD SHALL BE CAST ON THE AUTHORITY

Ahmedabad Municipal Corporation
Case No. : BLNT/NWZ/010917/GDR/A9044/R0/M1 Zone: NEW WEST
Plan Approved as per terms and condition mentioned in the Commencement Certificate
Raja Chitthi Number : 9590/010917/A9044/R0/M1
Date : 17/10/2017

Sub Inspector (Civic Center)	Asst. T.D.O./Asst. E.O. (Civic Center)	CHAITANYA J. SHAH Dy T.D.O. NEW WEST	D.A. Shah Dy MC NEW WEST

AUTHORITY


GROUND FLOOR PLAN
FIRST FLOOR PLAN
SECOND TO SEVENTH PLAN
TERRACE PLAN (STAIR CABIN / L.W.R & O.H.W.T.)
SECTION -AA
ELEVATION
GROUND FLOOR
SCALE 1:00 : 2.00 MT
TYPICAL FLOOR(1ST TO 7TH)
SCALE 1:00 : 2.00 MT
CARPET AREA UNDER RERA CALC. PLAN
UNIT PLAN TYPICAL FLOOR(1ST TO 7TH)
CARPET AREA UNDER RERA CALC. PLAN
HOLLOW PLINTH PARKING
OPEN TERRACE
COMMON AREA
SHOPS-1
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SHOPS-4
SHOPS-5
SHOPS-6
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SHOPS-8
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