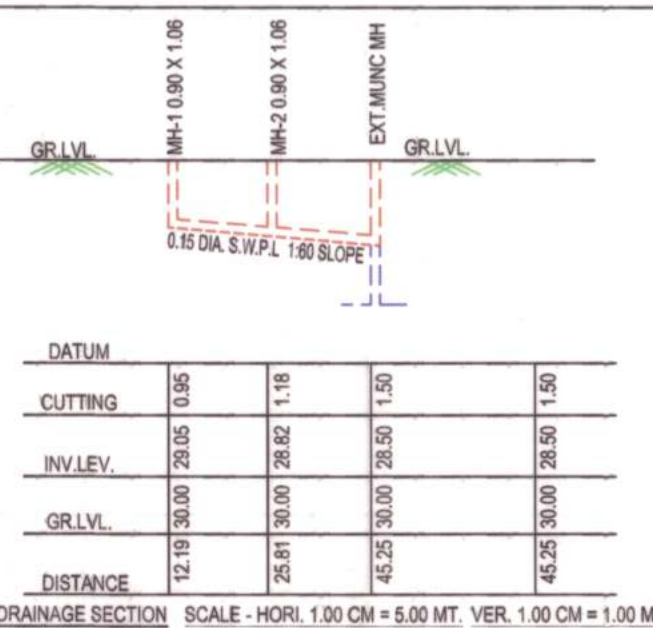


(1) HYDRANT SYSTEM:-
ON OFF SWITCHES LOCATED NEAR THE HOSE REEL HOSE OR HYDRANT OUTLET, AT EACH FLOOR FOR THE MAIN FIRE PUMP AT UNDERGROUND WATER TANK WITH A CAPACITY TO DISCHARGE 100 LITERS PER MINUTE AT 3 BAR PRESSURE AS MEASURED AT THE TERRACE LEVEL SHOULD BE INSTALLED.
THE RISER FOR THE BUILDINGS EXCEEDING 18 METERS 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 NUT TO ACT AS 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 HOSE REEL HOSE WITH 1 MM SHUT OFF NOZZLE AT EACH FLOOR LANDING. THE LENGTH OF THE HOSE SHOULD BE ENOUGH TO REACH THE FARTHEST CORNER OF 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 PREMISES 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 REPLENISHING BYPASS CONNECTION SHOULD BE DONE AT THE TERRACE LEVEL.
THE OVERHEAD TANK SHALL BE OF A CAPACITY OF NOT LESS THAN 2000 LITERS. THE UNDERGROUND TANK SHALL BE OF NOT LESS THAN 1,00,000 LITERS.
(2) FIRE LIFT:-
THE FIRE LIFT AND ALL LIFTS SHOULD HAVE A PROVISION TO GROUND TO AUTOMATICALLY IN CASE OF ELECTRICAL 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 WELL SHOULD HAVE BLOWERS TO PRESSURIZE THE LIFT WELL SO CONNECTED THAT IT WILL AUTOMATICALLY OPERATE WHEN ALARM CALL POINT IS OPERATED, 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 (CO₂) TYPE EXTINGUISHER OF 4.5 KG. WITH ISI MARK, AND ONE EXTINGUISHER OF 9 KG. DRY CHEMICAL POWDER (DCP) TYPE EXTINGUISHER WITH ISI MARK TO BE INSTALLED ON EACH FLOOR IN CASE OF COMMERCIAL BUILDING.
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 3 KG. DRY CHEMICAL POWDER (DCP) WITH ISI MARK TYPE EXTINGUISHER ON ALTERNATE FLOOR IN CASE OF RESIDENTIAL BUILDING.
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 CORNER OF THE BUILDING IT HAS TO BE PRESSURIZED TO PREVENT IT FROM GETTING SMOKE LOGGED.
THE RISER (DOWN) CORNER 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.
(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 ACTUAL CAR PARKING SPACE.
ADDITIONALLY BE PROTECTED BY A HYDRANT OUTLET AND TWO 25 MM BORE HOSE-REEL HOSES WITH 15 M. BORE NOZZLES AT EACH BASEMENT LEVEL.
(7) LIGHTNING ARRESTER:-
A LIGHTNING ARRESTER SHOULD ALSO BE INSTALLED AND BE PROPERLY EARTHED TO PREVENT DAMAGE TO THE BUILDING WHEN THE LIGHTNING STRIKES.
(8) PHOTO LUMINESCENT:-
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 (PATHWAY) DEAD-END 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) 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.
(10) IMPORTANT INSTRUCTIONS:-
FIRE 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 EQUIPMENT (I.E. PASSIVE SYSTEM / POTENTIAL OCCUPANCY / CONFINED AREA, THOSE ADDITIONAL MEASURES / EQUIPMENT HAVE TO BE IMPLEMENTED / INSTALLED.

NOTES RELATED TO C.G.D.C.R.-2017 (DL-03/10/2019)
IT IS CERTIFIED THAT THE BUILDING IS SURVEYED BY ME AND THE DIMENSIONS OF ALL SIDES OF PLOT AND PLOT AREA AS SHOWN IN PLAN ARE MEASURED BY ENGINEER ON RECORD AND IN ACCORDANCE WITH OWNERSHIP/REVENUE RECORDS.
ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN MARGINAL SPACE AND MARGIN.
THE DEPTH AND POSITION OF EXISTING PRINCIPAL MAIN HOLE IS VERIFIED BY ME ON SITE AND PREMISES CAN BE DRUM CONNECTION.
IT IS CERTIFIED THAT ACCORDING TO C.G.D.C.R.-2017, ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN.
IT IS CERTIFIED THAT ACCORDING TO THE CLAUSE 4.4.3 OF THE C.G.D.C.R.-2017, THE STRUCTURE OF THE BUILDING IS DESIGNED AS PER THE NORMS OF THE INDIAN STANDARDS.
DESIGN OF STAIRCASE AND RAILINGS IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.1 AND 13.1.13 OF C.G.D.C.R.-2017.
PEDESTRIAN RAMP IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.1.14 OF C.G.D.C.R.-2017.
LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.12 OF C.G.D.C.R.-2017.
WATER TANK FOR EACH UNIT SHALL BE PROVIDED AT GROUND FLOOR LEVEL FOR EACH UNIT.
WATER TANK FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER FIRE PREVENTION AND FIRE SAFETY ACT, 2016.
ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO. 13.11 OF C.G.D.C.R.-2017.
DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER CLAUSE NO. 13.6.2 OF C.G.D.C.R.-2017.
DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO. 13.10 OF C.G.D.C.R.-2017.
SIGNAGES OF THE PARKING PLACES ARE TO BE PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 13.7 OF C.G.D.C.R.-2017.
ENTRANCE OF THE BUILDING IS PROVIDED AS PER THE CLAUSE NO. 13.11 OF C.G.D.C.R.-2017.
THE ARRIVAL OF BUILDING UNITS SHALL BE AS PER THE PROVISION OF THE CLAUSE NO. 13.13 OF C.G.D.C.R.-2017.
THE STRUCTURAL DESIGN OF BUILDING IS AS PER NORMS OF SPECIFIED IN THE INDIAN STANDARD AND NECESSARY ACTION SHALL BE TAKEN FOR THE STRUCTURAL SAFETY DURING CONSTRUCTION.
RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM SHALL BE PROVIDED AS PER CLAUSE NO. 17.2 OF C.G.D.C.R.-2017.
COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO. 17.2.1 & 17.2.5 OF C.G.D.C.R.-2017.
GRAY WATER RECYCLING SYSTEM & DUAL PLUMBING SYSTEM IS PROVIDED AS PER THE CLAUSE NO. 17.3 OF C.G.D.C.R.-2017.
TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO. 17.4 OF C.G.D.C.R.-2017.
SOLAR ASSISTED WATER HEATING SYSTEM SHALL BE PROVIDED AS PER CLAUSE NO. 17.5 OF C.G.D.C.R.-2017.
SOLLUTION CONTROL SYSTEM IS PROVIDED AS PER THE CHAPTER NO. 18 OF C.G.D.C.R.-2017.
FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER 14 OF C.G.D.C.R.-2017.
FIRE SAFETY PROVISION SHALL BE MADE AS PER FIRE PREVENTION AND FIRE SAFETY MEASURES REGULATION-2015 AND FIRE PREVENTION AND LIFE SAFETY MEASURES REGULATION-2013.
MAINTENANCE AND UPGRADATION OF BUILDING IS AS PER CHAPTER NO. 19 OF C.G.D.C.R.-2017.
MARGINAL SPACE & BASEMENT SLAB SHALL HAVE LOAD BEARING CAPACITY OF 45 TONNES PER SQUARE METER SHALL BE PROVIDED AS PER CHAPTER NO. 14 OF C.G.D.C.R.-2017 AND FIRE PREVENTION AND LIFE SAFETY ACT, 2016.
ROOF TOP SOLAR ENERGY INSTALLATION & GENERATION SHALL BE PROVIDED AS PER CLAUSE NO. 17.5.1 OF C.G.D.C.R.-2017.
THE GLAZED SURFACE AREA OF THE EXTERNAL FACADE SHALL BE NON-REFLECTIVE AND PROVIDED UP TO MAX OF 50% OF THE TOTAL SURFACE AREA OF EACH FACADE WITH THE PROVISION OF SAFETY RAILINGS UP TO 1.1 M. LEVEL AS PER CLAUSE NO. 13.13 OF C.G.D.C.R.-2017.
FURTHER THE PLAN OF THIS PROJECT IS COMPLIANT WITH THE CONDITIONS PRESCRIBED UNDER SECTION 80-BB OF THE INCOME TAX ACT, 1961 WITH RESPECT TO THE AREA OF THE PLOT OF LAND, CARPET AREA OF EACH RESIDENTIAL UNIT, PERCENTAGE OF CARPET AREA OF SHOPS AND OTHER COMMERCIAL ESTABLISHMENTS IN THE PROJECT AND UTILIZATION OF FLOOR AREA RATIO.



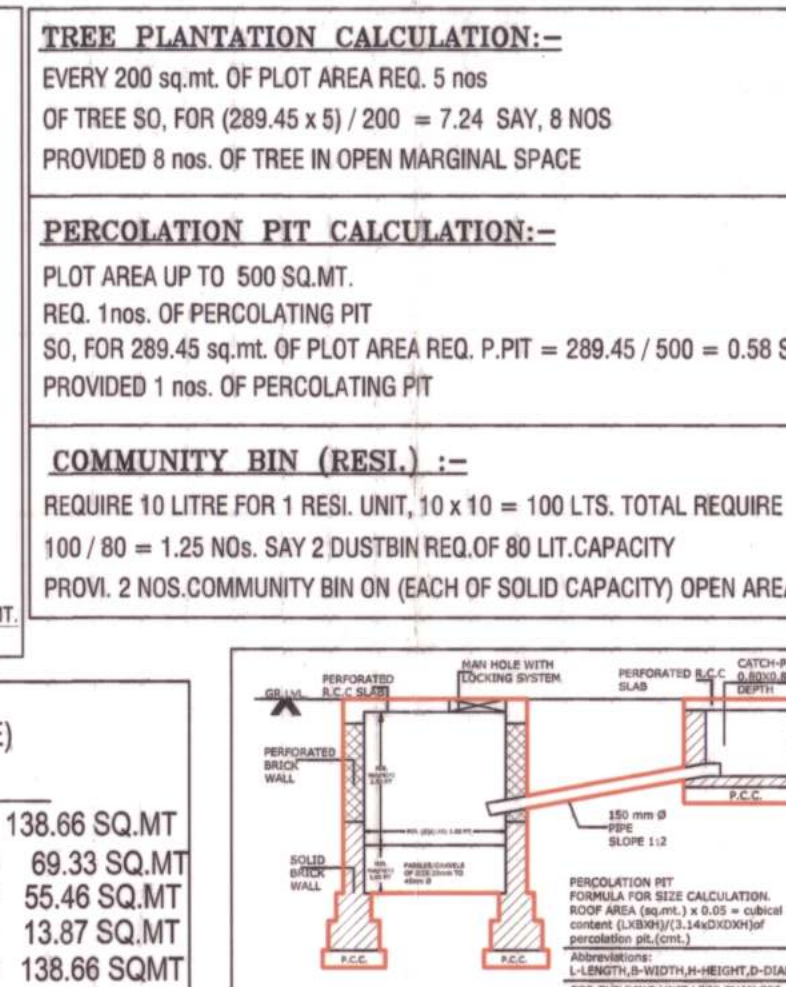
REQUIRED PARKING AREA TABLE (RESIDENCE)
TOTAL UTILISED F.S.I. = 693.30 SQ.MT

REQUIRED PARKING @ 20 % x 693.30	= 138.66 SQ.MT
REQUIRED CAR PARKING @ 50 % x 138.66	= 69.33 SQ.MT
REQUIRED OTHER PARKING @ 40 % x 138.66	= 55.46 SQ.MT
REQUIRED VISITOR PARKING @ 10 % x 138.66	= 13.87 SQ.MT
TOTAL REQ. RESI. PARKING AREA	= 138.66 SQ.MT

VEHICAL	REQ PARKING AREA	PROVIDED PARKING AREA
CAR PARKING	@ 50 % OF REQ PARK 69.33 SQ.MT	72.34
OTHER'S PARKING	@ 40 % OF REQ PARK 55.46 SQ.MT	71.14
VISITOR'S PARKING	@ 10 % OF REQ PARK 13.87 SQ.MT	28.26
TOTAL	138.66 SQ.MT	171.74

PROVIDED CAR PARKING AREA
C1:- 8.42X7.68-72.34 SQ.MT
PROVIDED OTHER PARKING AREA
O1:- 8.42X11.69-115.07 SQ.MT
O2:- 6.02X11.32-67.95 SQ.MT
O3:- 9.08X5.30-48.12 SQ.MT
TOTAL-171.14 SQ.MT

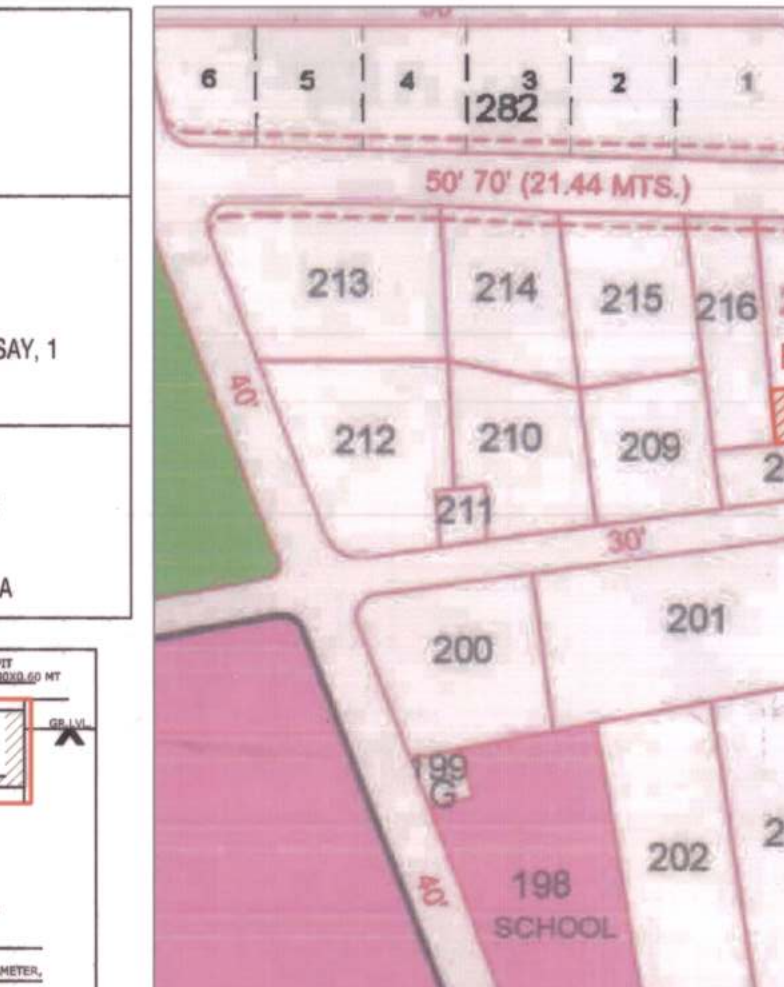
PROVIDED VISITOR PARKING AREA
V1:- 8.42X3.00-25.26 SQ.MT



VEHICAL	REQ PARKING AREA	PROVIDED PARKING AREA
CAR PARKING	@ 50 % OF REQ PARK 69.33 SQ.MT	72.34
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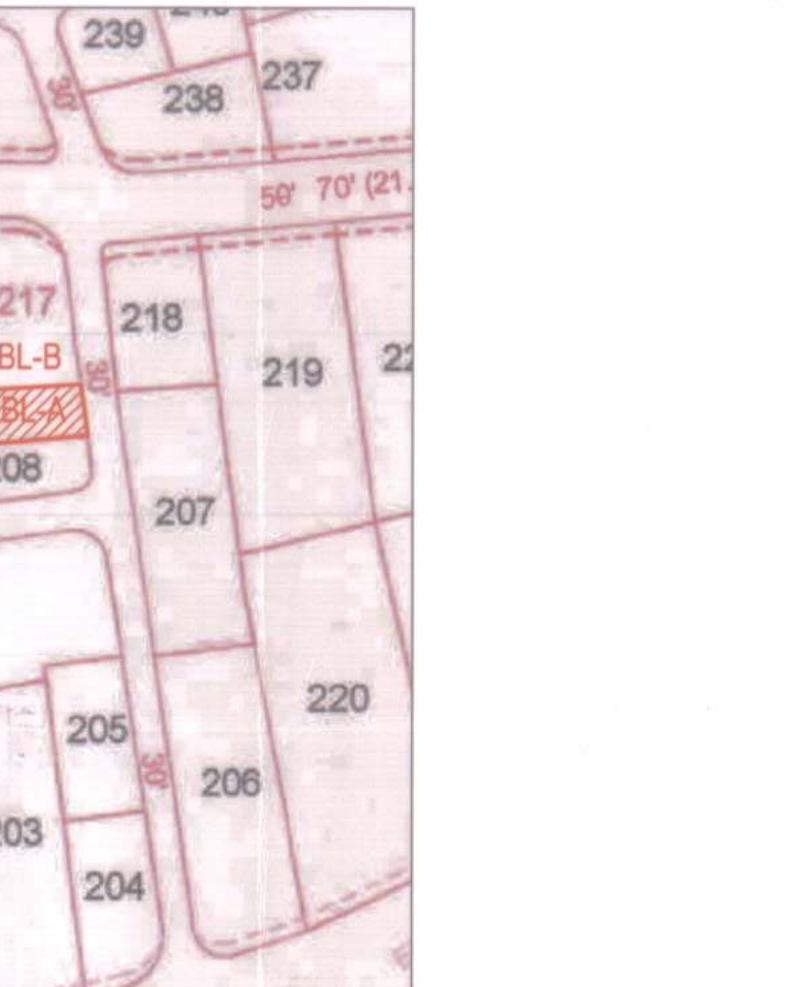
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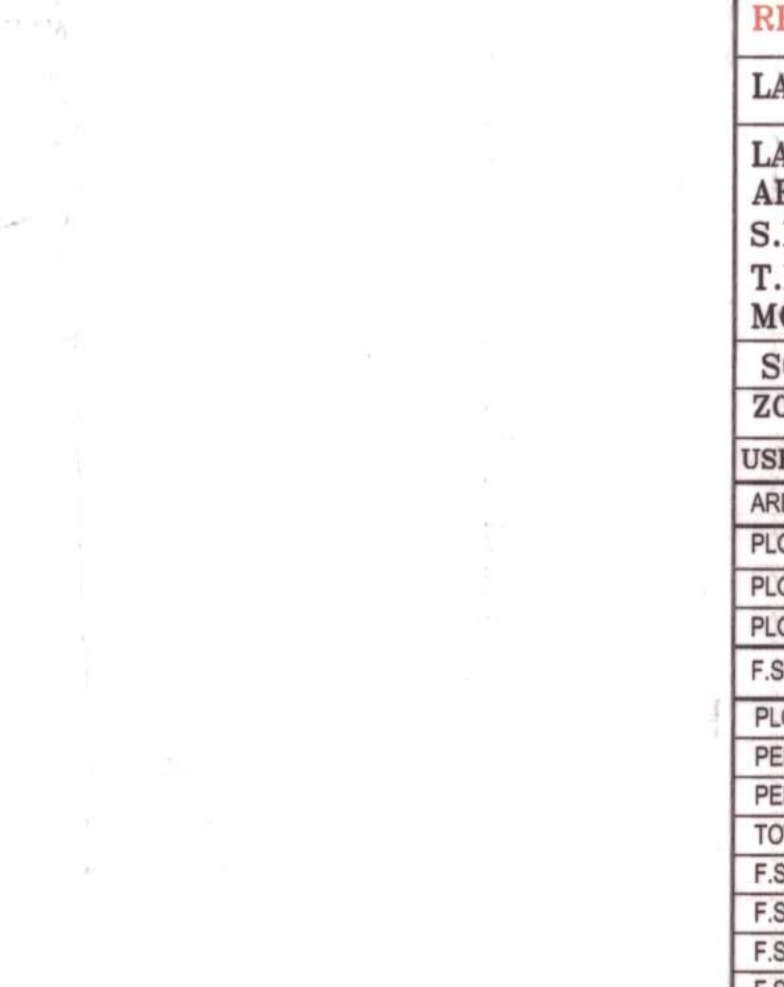
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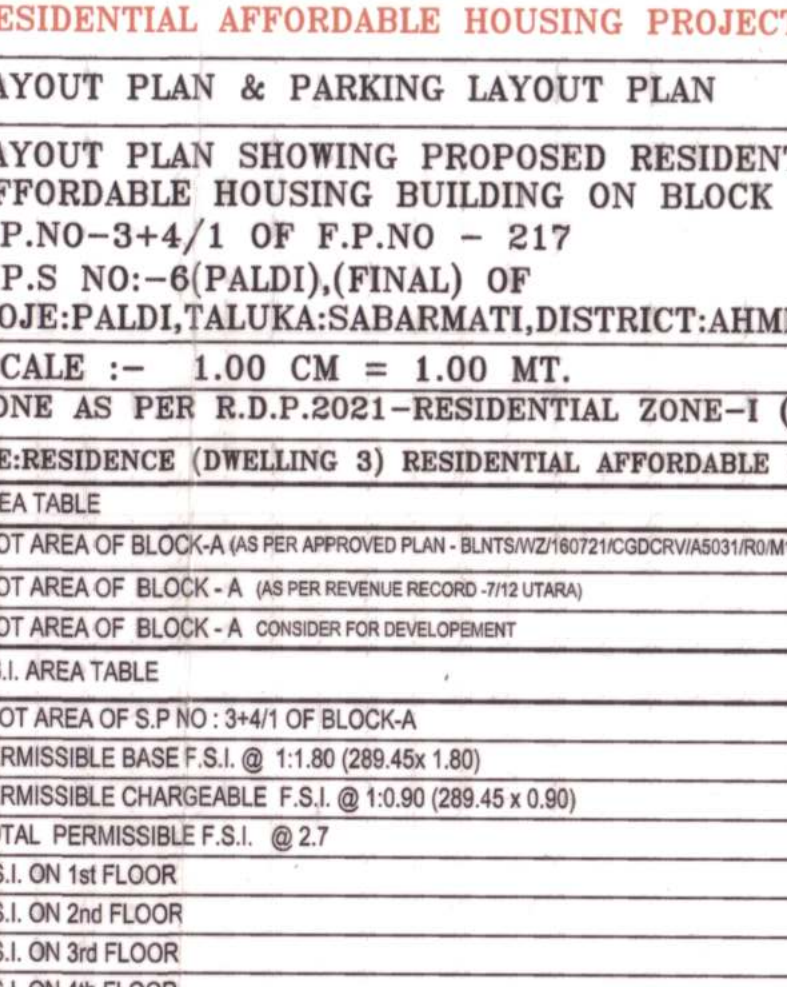
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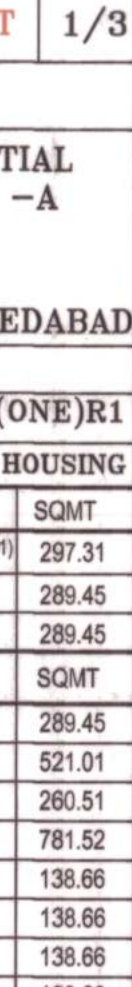
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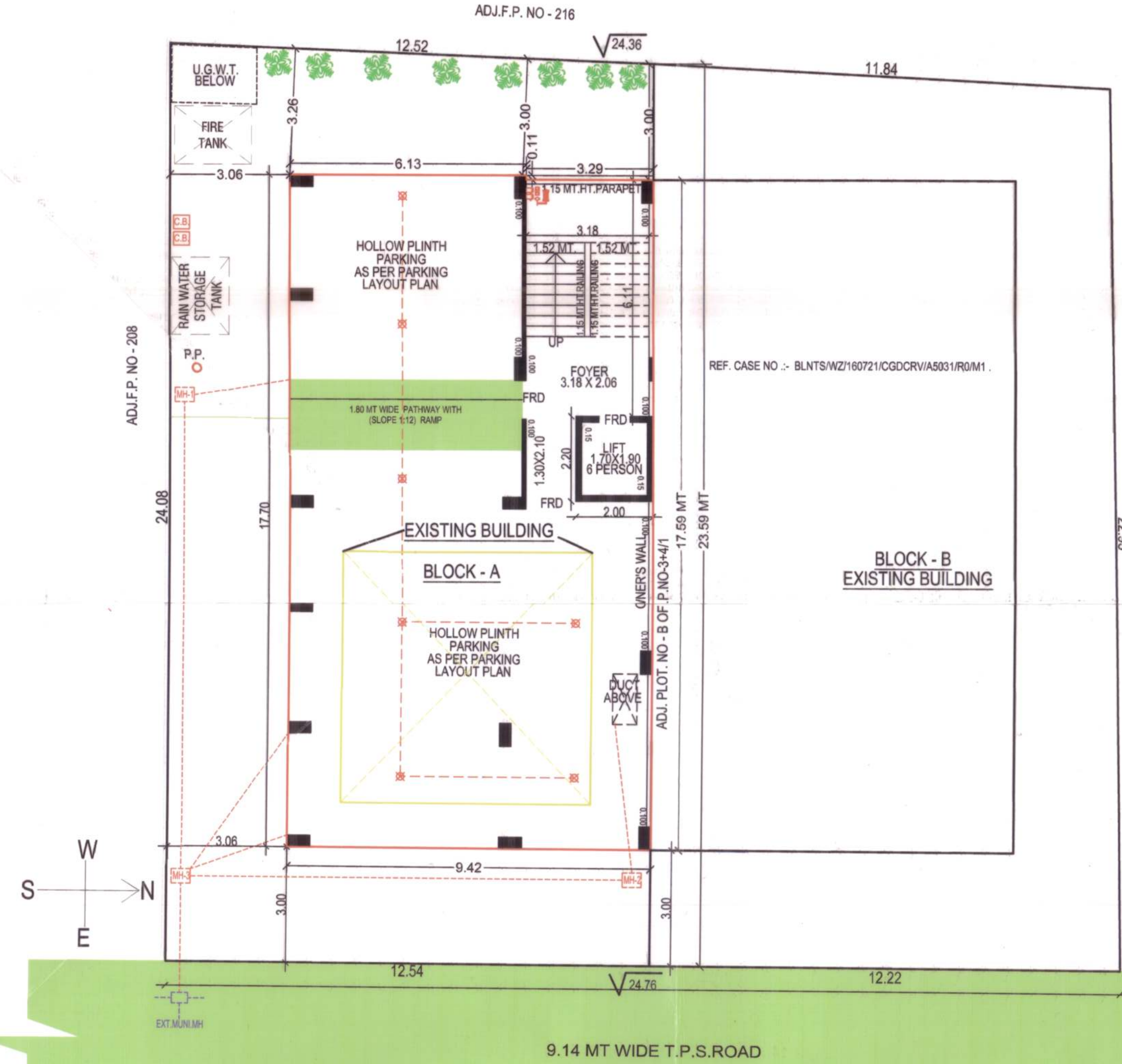
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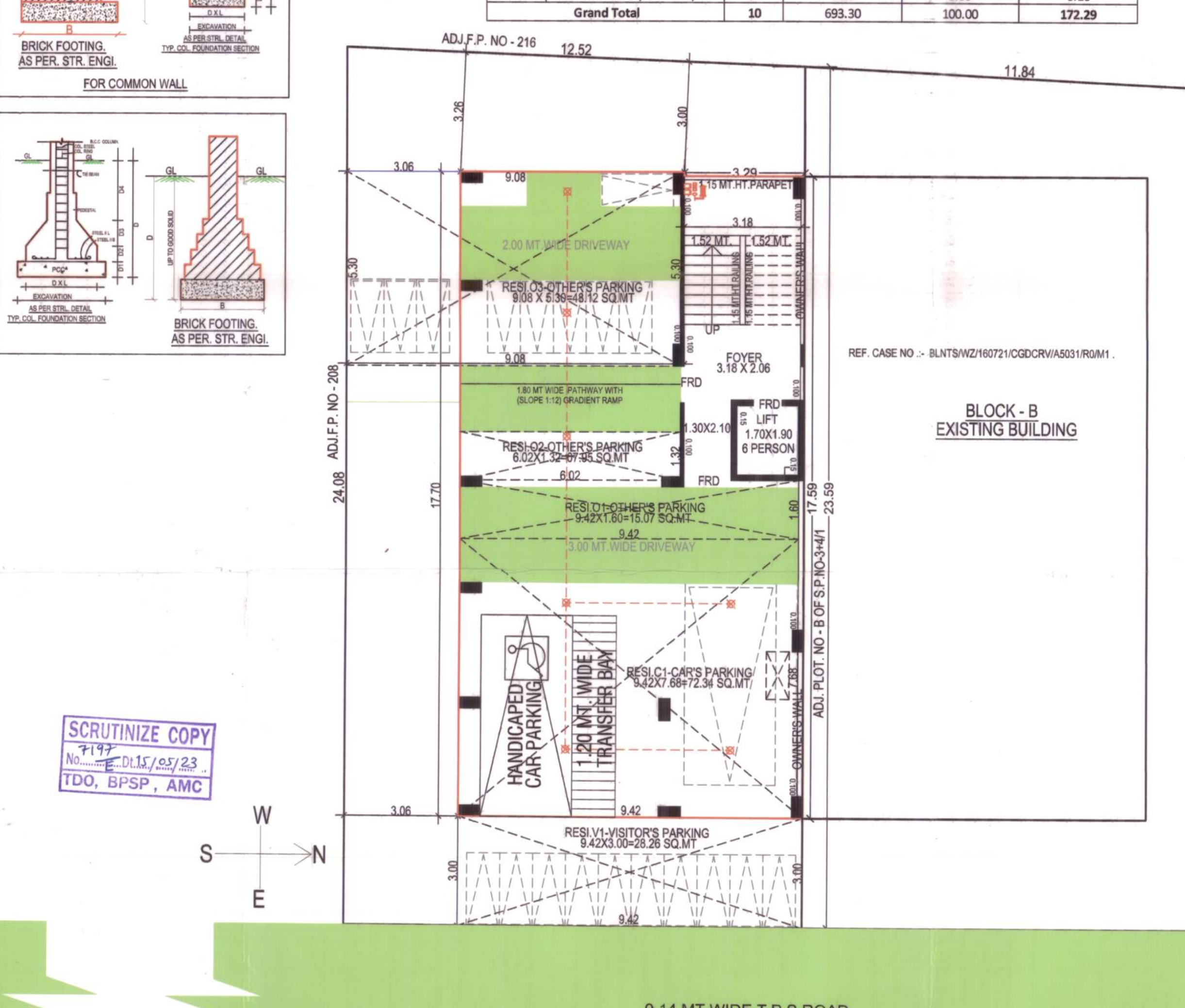
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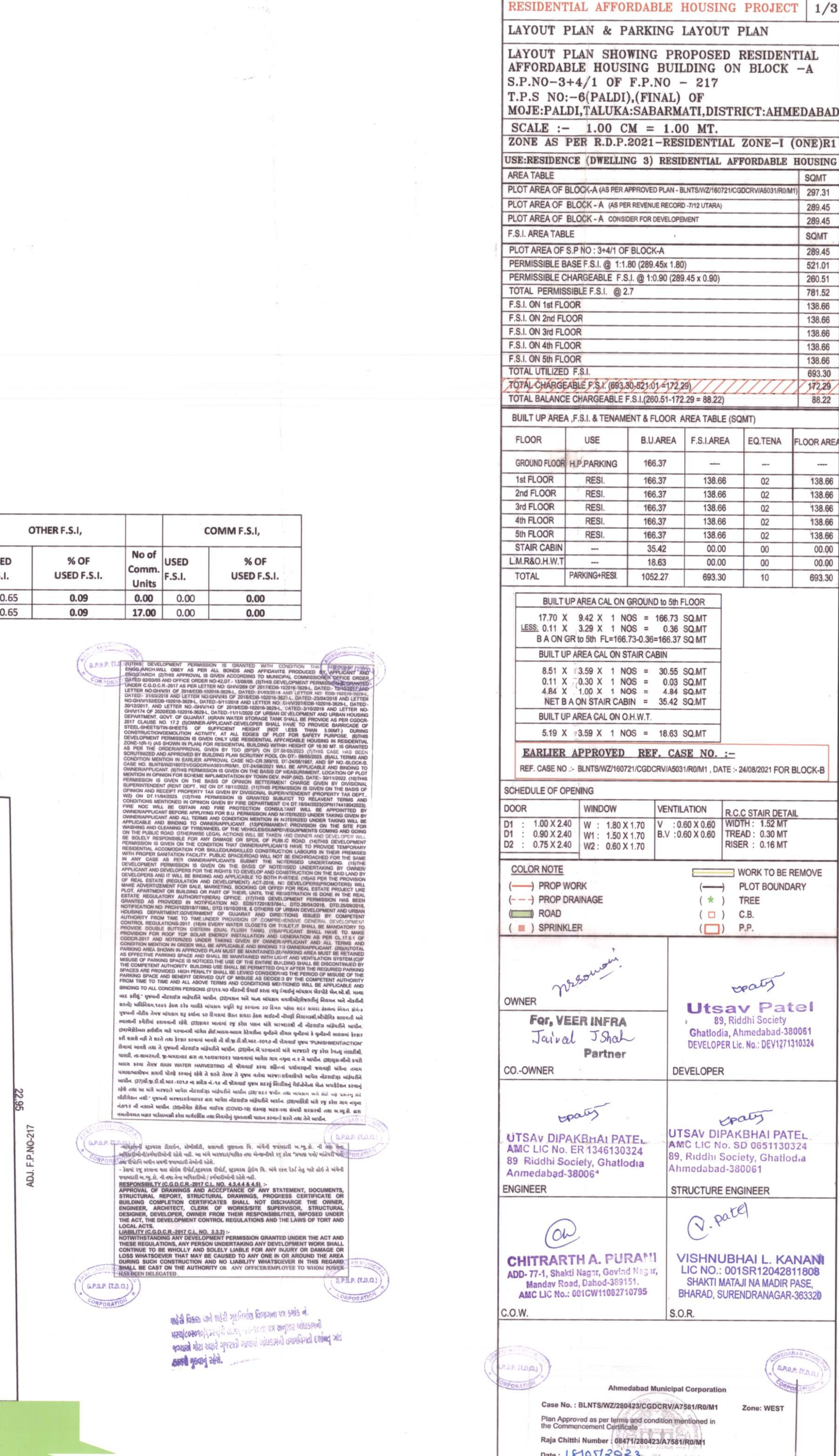
PROVIDED VISITOR PARKING AREA
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GROUND FLOOR PLAN / LAYOUT PLAN



GROUND FLOOR PARKING LAYOUT PLAN



RESIDENTIAL AFFORDABLE HOUSING PROJECT		1/3
LAYOUT PLAN & PARKING LAYOUT PLAN		
LAYOUT PLAN SHOWING PROPOSED RESIDENTIAL AFFORDABLE HOUSING BUILDING ON BLOCK -A		
S.P.NO-3-4/1 OF F.P.NO- 217		
T.P.S NO:-6(PALDI),(FINAL) OF MOJE:PALDI,TALUKA:SABARMATI,DISTRICT:AHMEDABAD		
SCALE :- 1.00 CM = 1.00 MT.		
ZONE AS PER R.D.P.2021-RESIDENTIAL ZONE-I (ONE)R1		
USE:RESIDENCE (DWELLING 3) RESIDENTIAL AFFORDABLE HOUSING		
AREA TABLE		SQMT
PLOT AREA OF BLOCK-A (AS PER APPROVED PLAN - BLN/TS/VZ/160721/CGDRI/A5031/R01/M1)		297.31
PLOT AREA OF BLOCK -A (AS PER REVENUE RECORD -712 UTARA)		289.45
PLOT AREA OF BLOCK -A (CONSIDER FOR DEVELOPMENT)		289.45
F.S.I. AREA TABLE		SQMT
PLOT AREA OF S.P.NO-3:4/1 OF BLOCK-A		289.45
PERMISSIBLE BASE F.S.I. @ 1:180 (289.45x 1.80)		521.01
PERMISSIBLE CHARGEABLE F.S.I. @ 1:0.90 (289.45 x 0.90)		260.51
TOTAL PERMISSIBLE F.S.I. @ 2.7		781.52
F.S.I. ON 1st FLOOR		138.66
F.S.I. ON 2nd FLOOR		138.66
F.S.I. ON 3rd FLOOR		138.66