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BUILT-UP/F.S.I. AREA CALCULATION		
TYPICAL FLOOR (1st Fl. To 7th Fl.)		
25.30 MT. X 25.62 MT. =	648.19 SQ.MTS.	
LESS:-		
(1) 1.33 x 1.66 x 1	=	2.21 SQ.MT.
(2) 1.30 x 5.43 x 1	=	7.06 SQ.MT.
(3) 1.26 x 3.47 x 1	=	4.37 SQ.MT.
(4) 10.13 x 0.32 x 1	=	3.24 SQ.MT.
(5) 1.66 x 1.33 x 1	=	2.21 SQ.MT.
(6) 5.18 x 0.95 x 1	=	4.92 SQ.MT.
(7) 3.96 x 4.35 x 1	=	17.23 SQ.MT.
(8) 1.19 x 2.82 x 2	=	6.71 SQ.MT.
(9) 1.22 x 3.27 x 1	=	3.99 SQ.MT.
(10) 1.07 x 3.27 x 1	=	3.50 SQ.MT.
(11) 3.96 x 1.07 x 1	=	4.24 SQ.MT.
(12) 5.18 x 1.07 x 1	=	5.54 SQ.MT.
TOTAL =		65.22 SQ.MT.
NET BUILT UP AREA ON		582.97 SQ.MT.
TYPICAL FLOOR (1st Fl. To 7th Fl.)		

BUILT-UP AREA CALCULATION		
GROUND FLOOR		
25.30 MT. X 25.62 MT. =	648.19 SQ.MTS.	
LESS:-		
(1) 5.18 x 0.95 x 1	=	4.92 SQ.MT.
(2) 3.96 x 4.35 x 1	=	17.23 SQ.MT.
(3) 1.19 x 2.82 x 2	=	6.71 SQ.MT.
(4) 1.22 x 3.27 x 1	=	3.99 SQ.MT.
(5) 1.07 x 3.27 x 1	=	3.50 SQ.MT.
(6) 3.96 x 1.07 x 1	=	4.24 SQ.MT.
(7) 5.18 x 1.07 x 1	=	5.54 SQ.MT.
(8) 11.39 x 0.32 x 1	=	3.64 SQ.MT.
TOTAL =		49.17 SQ.MT.
NET BUILT UP AREA ON		599.02 SQ.MT.
GROUND FLOOR		

USE F.S.I. AREA & UNIT NOS. TABLE.					SQ.MTS.					
BLOCK.	COMM.		UP TO 50		50 TO 66		66 TO 80		TOTAL	
	UNIT F.S.I.	UNIT NO.	UNIT F.S.I.	UNIT NO.	UNIT F.S.I.	UNIT NO.	UNIT F.S.I.	UNIT NO.		
GR. FLOOR.	---	7 SHOP	---	---	---	---	---	---	205.69	7 SHOP
1ST. FLOOR.	205.69	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
2ND. FLOOR.	---	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
3RD. FLOOR.	---	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
4TH. FLOOR.	---	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
5TH. FLOOR.	---	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
6TH. FLOOR.	---	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
7TH. FLOOR.	---	---	---	---	479.03	8 NOS.	---	---	479.03	8 TENA.
TOTAL	205.69	7 SHOP	---	---	3553.21	56 NOS.	---	---	3558.90	7 SHOP / 56 TENA

NET BUILT UP AREA ON = 599.02 SQ.MT.
GROUND FLOOR

1.86
1.86 X 3.16 = 5.88
1.79
3.66
3.16
5.24
5.24

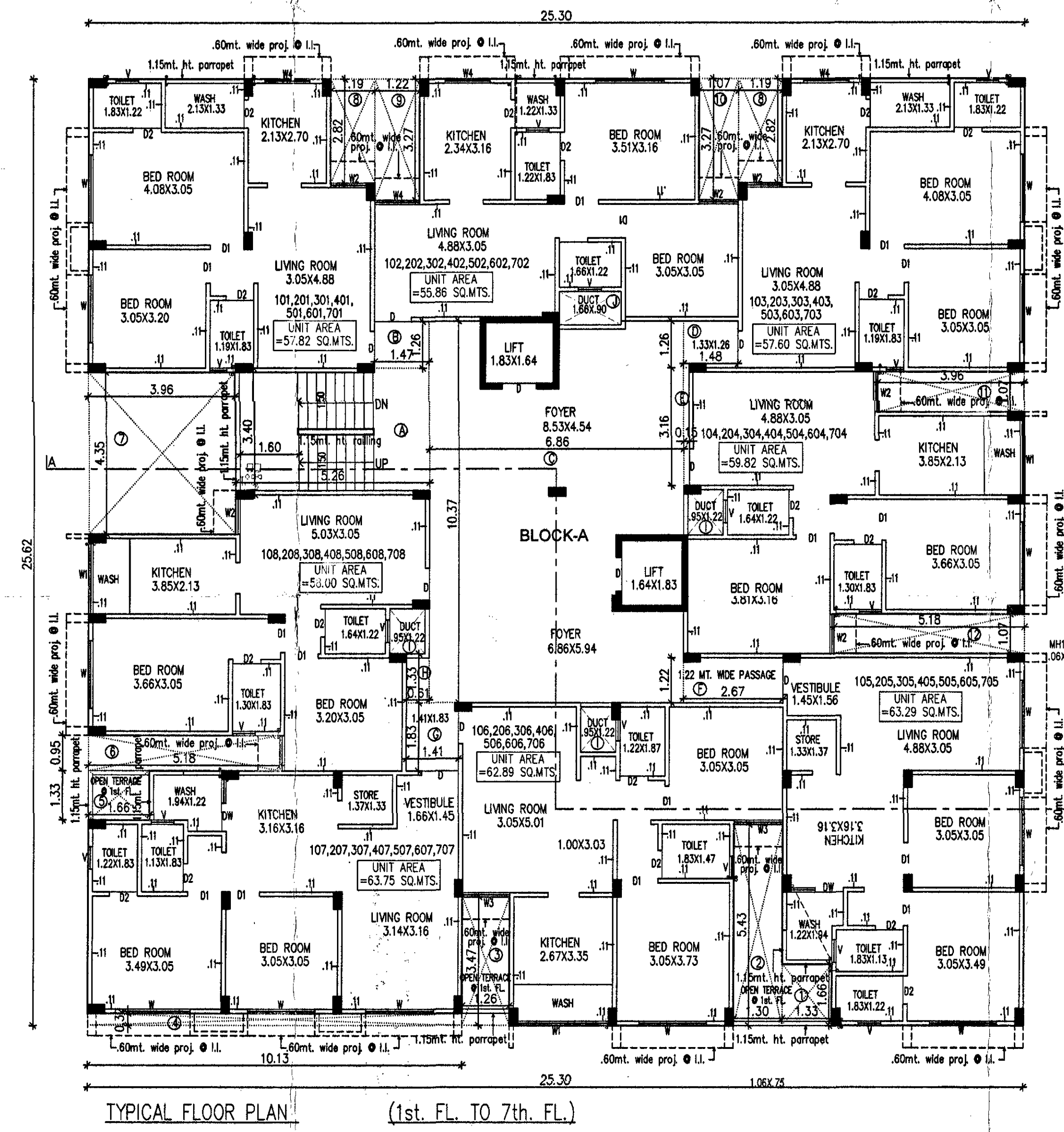
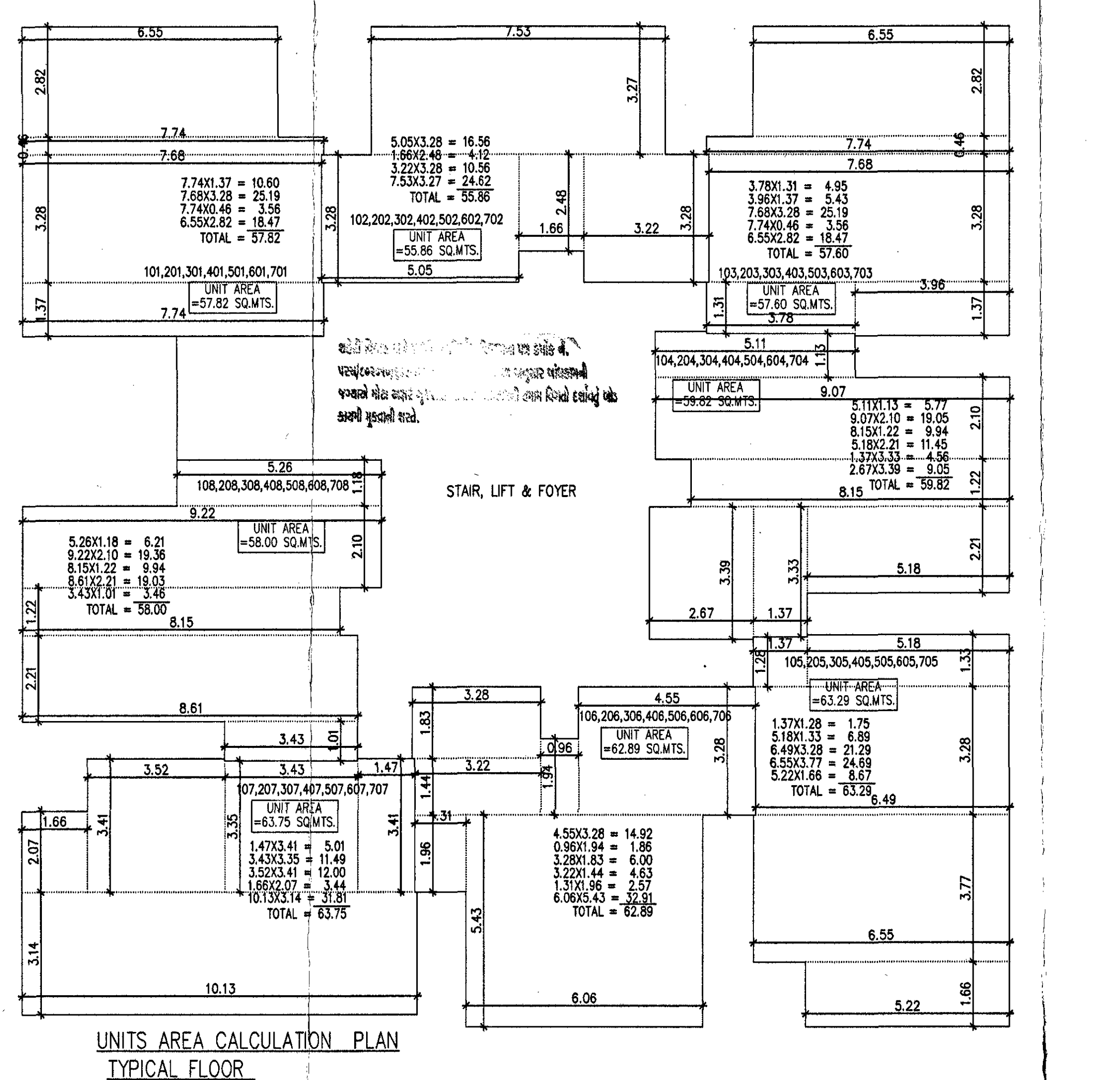
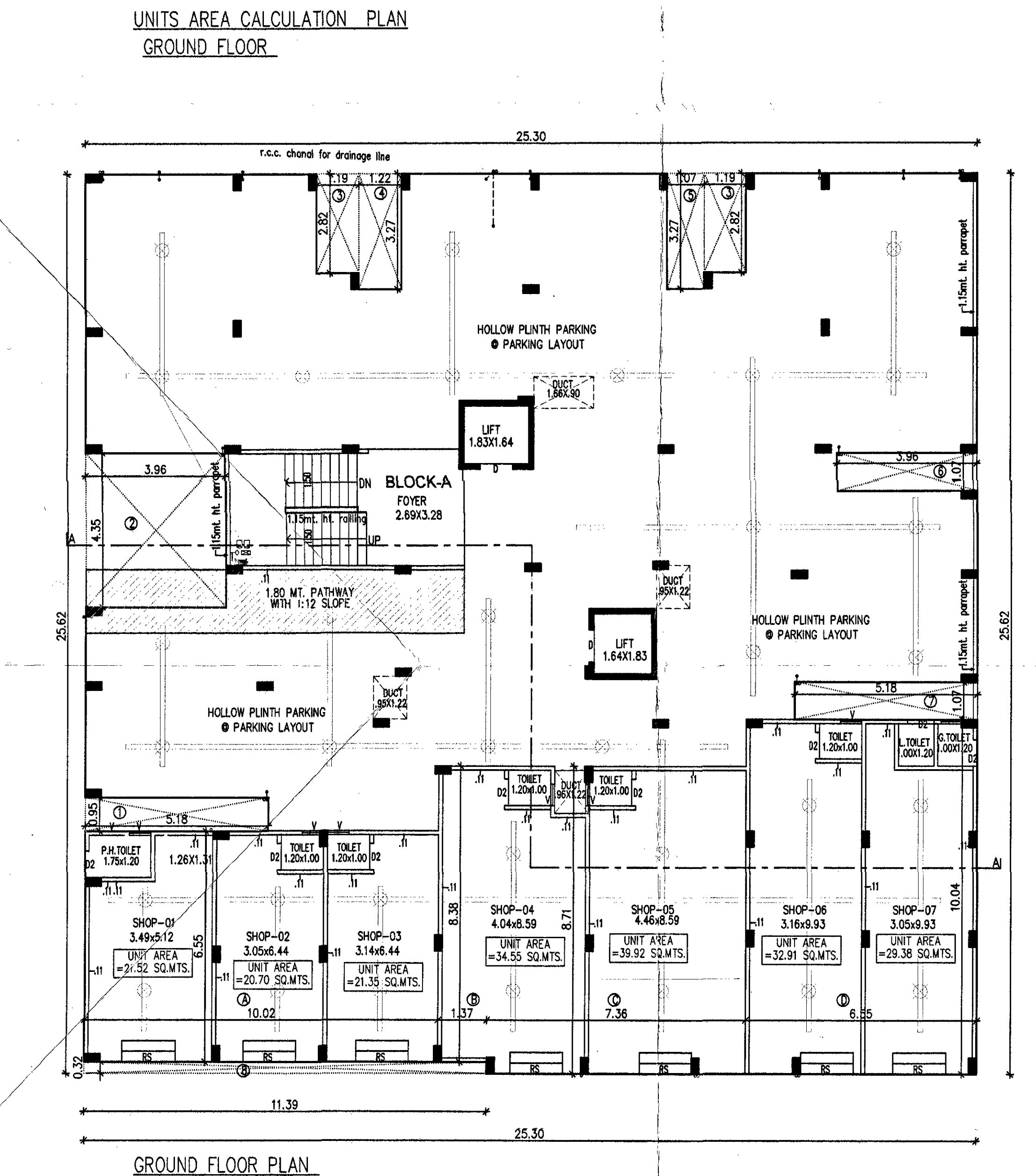
SHOP-01
3.66 X 5.24 = 19.18
1.79 X 3.16 = 5.64
TOTAL = 24.82

SHOP-02
3.16 X 5.24 = 16.56

5.24

The drawing shows a facade with three main shop units. SHOP-03 is on the left, SHOP-04 and SHOP-05 are in the middle, and SHOP-06 and SHOP-07 are on the right. Dimensions are given in feet and inches. Area calculations are provided for each unit.

Unit	Dimensions (ft)	Area Calculations	Total Area (sq ft)
SHOP-03	3.26 x 6.55	3.26 x 6.55 = 21.35	21.35
SHOP-04	2.84 x 6.32, 4.15 x 6.55, 4.21 x 6.50, 3.28 x 1.33	2.84 x 6.32 = 0.91 4.15 x 6.55 = 27.18 4.21 x 6.50 = 2.74 3.28 x 1.33 = 4.36	34.35
SHOP-05	4.58 x 7.37, 4.64 x 1.33	4.58 x 7.37 = 33.75 4.64 x 1.33 = 6.17	39.92
SHOP-06	3.27 x 8.73, 3.33 x 1.33	3.27 x 8.73 = 28.46 3.33 x 1.33 = 4.43	32.89
SHOP-07	3.22 x 8.73, 0.99 x 1.31	3.22 x 8.73 = 28.11 0.99 x 1.31 = 1.27	29.38



NOTE:-

- * ENGINEER IS FULLY RESPONSIBLE FOR LEAVING OPEN SPACE AND MARGIN.
- * THE DEPTH AND POSITION OF EXISTING MAINWALL MAINWALL IS SKETCHED IN ON SITE AND PERIOD CAN GET DRAWING CONNECTION.
- * IT IS CERTIFY THAT ACCORDING TO GOVT 2021 ALL REQUIREMENTS OF THE BUILDING ARE CHECKED AND NECESSARY ACTIONS ARE TAKEN.
- * IT IS CERTIFY THAT ACCORDING TO THE CLAUSE NO. 43.3 OF THE GOVT 2021, THE STRUCTURE OF THE BUILDING IS DESIGN ASPER THE NORMS OF THE INDIAN STANDARDS.
- * DESIGN OF STAIRCASE AND RAILING IS PROVIDED AS PER THE PROVISIONS OF THE CLAUSE NO. 20.2 AND 23.14 AND 24.6 OF GOVT 2021.
- * LIFT IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.33.12 AND 24.7 OF GOVT 2021.
- * WATER TANK IS PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.23.6 OF GOVT 2021
- * SEPARATE LETTER BOX IS PROVIDED AT GROUND LEVEL FOR EACH UNIT.
- * WATER FOR FIRE SAFETY REQUIREMENT PROVIDED AS PER CHAPTER NO.14 OF GOVT 2021.
- * ELECTRICAL INFRASTRUCTURE SHALL BE PROVIDED AS PER CLAUSE NO.23.11
- * DRINKING WATER FACILITY FOR DISABLED PERSONS IS PROVIDED AS PER THE CLAUSE NO. 23.2.2
- * DRAINAGE FACILITY IS PROVIDED AS PER THE CLAUSE NO.23.10
- * SLOPES AND THE PARKING PLACE IS TO BE PROVIDED AS PER THE CLAUSE NO.23.7 OF THE GOVT 2021.
- * ENTRANCE OF THE BUILDING UNIT/FINAL FLOOR AS PER CLAUSE NO.23.1.7 OF GOVT 2021.
- * THE PARKING OF BUILDING UNIT/FINAL FLOOR AS PER CLAUSE AS PER THE PROVISION OF THE CLAUSE NO. 23.1.7 OF GOVT 2021.
- * THE STRUCTURE OF THE BUILDING IS ACTION AS PER THE NORMS OF THE SPECIFIED IN THE INDIAN STANDARDS AND TAKE NECESSARY ACTION FOR THE STRUCTURAL SAFETY DURING THE CONSTRUCTION.
- * RAIN WATER STORAGE TANK AND RAIN WATER HARVESTING SYSTEM IS PROVIDED AS PER THE CLAUSE NO.22.2 OF GOVT 2021.
- * COMMUNITY BIN PROVIDED AS PER THE PROVISION OF THE CLAUSE NO.27.3 OF GOVT 2021.
- * TREE PLANTATION IS PROVIDED AS PER THE CLAUSE NO.27.4 OF GOVT 2021.
- * FIRE SAFETY SYSTEM IS PROVIDED AS PER CHAPTER NO.24 OF GOVT 2021.
- * MAINTENANCE AND UPGRADEMENT OF BUILDING IS AS PER CHAPTER NO.28 OF GOVT 2021.
- * COVER SLAB HAVING LOAD BEARING CAPACITY OF 40 TON

NOTE:- IT IS CERTIFY THAT THE PLOT IS SURVEYED BY ME ON ALL DIMENSION SITES SHAPE AND ARE SHOWN ON PLAN AREA TALLIES WITH SITE POSITION OF OCCURRENCE AS AN ENGINEER, I AM FULLY RESPONSIBLE FOR THAT.

AS AN ENGINEER I CERTIFY THAT ALL REQUIREMENTS UNDER GOVT 2021(C.4.2.2) HAVE BEEN VERIFIED BY ME AND THE SITE IS SUITABLE FOR PROPOSED CONSTRUCTION. THE PLOT DIMENSIONS AS SHOWN IN THE PLAN CORRESPONDS WITH THE SIDE.

ENGINEER CERTIFICATE

ENGINEER IS FULLY RESPONSIBLE FOR LEAVING MARGINAL OPEN SPACE AT ROAD LINE PORTION.

DRAINAGE CERTIFICATE

THE DEPTH OF POSITION OF SITE, M.H. IS CHARGED VARIED PERSONALLY BY ME ON SITE PREMISES CAN GET CONNECTION AS SHOWN IN PLAN

UNIT AREA BUILT UP & F.S.I. TABLE				
FLOOR	BLOCK	FLAT NO.	AREA	SQ.MTS.
GR. FLOOR	A	SHOP-1	21.05 X 1(UNIT)	= 21.52
		SHOP-2	20.70 X 1(UNIT)	= 20.70
		SHOP-3	21.35 X 1(UNIT)	= 21.35
		SHOP-4	34.55 X 1(UNIT)	= 34.55
		SHOP-5	39.92 X 1(UNIT)	= 39.92
		SHOP-6	32.91 X 1(UNIT)	= 32.91
		SHOP-7	29.89 X 1(UNIT)	= 29.38
1st. FLOOR	A	TOILET	5.36 X 1(UNIT)	= 5.36
		101	57.82 X 1(UNIT)	= 57.82
		102	55.86 X 1(UNIT)	= 55.86
		103	57.60 X 1(UNIT)	= 57.60
		104	59.82 X 1(UNIT)	= 59.82
		105	63.29 X 1(UNIT)	= 63.29
		106	62.89 X 1(UNIT)	= 62.89
2nd. FLOOR	A	107	63.75 X 1(UNIT)	= 63.75
		108	58.00 X 1(UNIT)	= 58.00
		201	57.82 X 1(UNIT)	= 57.82
		202	55.86 X 1(UNIT)	= 55.86
		203	57.60 X 1(UNIT)	= 57.60
		204	59.82 X 1(UNIT)	= 59.82
		205	63.29 X 1(UNIT)	= 63.29
3rd. FLOOR	A	206	62.89 X 1(UNIT)	= 62.89
		207	63.75 X 1(UNIT)	= 63.75
		208	58.00 X 1(UNIT)	= 58.00
		301	57.82 X 1(UNIT)	= 57.82
		302	55.86 X 1(UNIT)	= 55.86
		303	57.60 X 1(UNIT)	= 57.60
		304	59.82 X 1(UNIT)	= 59.82
4th. FLOOR	A	305	63.29 X 1(UNIT)	= 63.29
		306	62.89 X 1(UNIT)	= 62.89
		307	63.75 X 1(UNIT)	= 63.75
		308	58.00 X 1(UNIT)	= 58.00
		401	57.82 X 1(UNIT)	= 57.82
		402	55.86 X 1(UNIT)	= 55.86
		403	57.60 X 1(UNIT)	= 57.60
5th. FLOOR	A	404	59.82 X 1(UNIT)	= 59.82
		405	63.29 X 1(UNIT)	= 63.29
		406	62.89 X 1(UNIT)	= 62.89
		407	63.75 X 1(UNIT)	= 63.75
		408	58.00 X 1(UNIT)	= 58.00
		501	57.82 X 1(UNIT)	= 57.82
		502	55.86 X 1(UNIT)	= 55.86
6th. FLOOR	A	503	57.60 X 1(UNIT)	= 57.60
		504	59.82 X 1(UNIT)	= 59.82
		505	63.29 X 1(UNIT)	= 63.29
		506	62.89 X 1(UNIT)	= 62.89
		507	63.75 X 1(UNIT)	= 63.75
		508	58.00 X 1(UNIT)	= 58.00
		601	57.82 X 1(UNIT)	= 57.82
7th. FLOOR	A	602	55.86 X 1(UNIT)	= 55.86
		603	57.60 X 1(UNIT)	= 57.60
		604	59.82 X 1(UNIT)	= 59.82
		605	63.29 X 1(UNIT)	= 63.29
		606	62.89 X 1(UNIT)	= 62.89
		607	63.75 X 1(UNIT)	= 63.75
		608	58.00 X 1(UNIT)	= 58.00
7th. FLOOR	A	701	57.82 X 1(UNIT)	= 57.82
		702	55.86 X 1(UNIT)	= 55.86
		703	57.60 X 1(UNIT)	= 57.60
		704	59.82 X 1(UNIT)	= 59.82
		705	63.29 X 1(UNIT)	= 63.29
		706	62.89 X 1(UNIT)	= 62.89
		707	63.75 X 1(UNIT)	= 63.75
708	58.00 X 1(UNIT)	= 58.00		

1. HYDRANT SYSTEM:

ONKOFF switches located near the hose reel hose or hydrant outlet, at each floor/area. The Fire Alarm at the underground water tank with a capacity to discharge 900 litres per minute at 3 bar pressure as measured at the terrace level should be installed.

The Reel for the buildings exceeding 18 meters and above 18 storeys should not be less than 100 mm. Internal diameter. The Reel should be connected to the bottom of the terrace tank with a stop valve and a HVR is set as a Down - opener.

One Reel is required at every floor, 18 meters floor area and the building is divided into two or more parts then each part should have a separate reel and all the fittings at floor level. Each floor should have one hydrant/ outlet with a capacity for attaching 63 mm hose die 2.5 bar. One Hose reel hose with 15 mtrs. 50 mm. Strain/ flexible at each floor landing. The length of the hose reel hose should be enough to reach the furthest corner of the floor. Hose-box with 15 meters long 53mm. dia. hose and 125 mm. bore nozzle at alternate floors. The hose-reel hose should be coupled to the Reel.

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 consisting of 10 mm. dia. size 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 should have a capacity of not less than 20,000 litres. The Underground tank should be of not less than 1,50,000 litres.

1. FIRE LIFT:

The Fire-Lift and all the should have a provision to ground automatically in case of electricity failure. Each building should have at least one as a Fire-Lift. If the building is divided into two or more parts then each should have a Fire-Lift. Lift-well should have downers to prevent the lift-well to convert the lift into an electrically operated water main call-point to operate, so that it prevented the lift well getting smoke logged.

1. 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 Big Dry Chemical Powder (CO₂) type extinguisher with ISI mark to be installed on each floor in case of commercial building.

One Carbon Dioxide (CO₂) type 2 kg. of 4.5 kg. with ISI mark. Or Two Carbon Dioxide (CO₂) type extinguisher of 2 kg. with ISI mark capacity on alternate floors in case of residential building.

If the building is divided into two or more parts then each part should have these extinguishers installed.

6. STAIRCASE:

The staircase have to be open from at least one or two sides but if the staircase is in the centre core of the buildings it has to be pressurized to prevent it from getting smoke logged.

RESI. AFORDABLE HOUSING PROJECT.		SHEET NO. : 3/5
EST. NO. :		DATE. :
RETUN. NO. :		
PROP. PLAN SHOWING COMM. / RESI. BUILDING ON		
R. SUR. NO. 286/1, F.P. NO.- 229 OF S.P.NO. 229/2,		
(DRAFT)T.P.S. NO. 69(CHADKHEDA-TRAGAD-ZUNDAI), AT. TRAGAD,		
TA.: GHATLODIA, DIST. : AHMEDABAD		
SCALE -> 1 CM = 1.00 MTS.	(RESI. AFORDABLE HOUSING)	
ZONE -> RESI-I	USE -> SHOP/RESI.	BLOCK- A
BUILD UP AREA TABLE		IN SQ.MTS
PROP. BUILT-UP AREA ON CELLAR		1748.43
PROP. BUILT-UP AREA ON GR. FL.		599.02
PROP. BUILT-UP AREA ON F. FL.		582.97
PROP. BUILT-UP AREA ON S. FL.		582.97
PROP. BUILT-UP AREA ON 3rd. FL.		582.97
PROP. BUILT-UP AREA ON 4th. FL.		582.97
PROP. BUILT-UP AREA ON 5th. FL.		582.97
PROP. BUILT-UP AREA ON 6th. FL.		582.97
PROP. BUILT-UP AREA ON 7th. FL.		582.97
PROP. BUILT-UP AREA ON STAIR CABIN, LIFT		51.88
PROP. BUILT-UP AREA ON LIFT MACHINE ROOM & O.H.W.T.		36.70
TOTAL PROP. BUILT-UP AREA		6516.83
F.S.I AREA TABLE		IN SQ.MTS
PROP. F.S.I AREA ON GR. FL.		205.89
PROP. F.S.I AREA ON F. FL.		479.03
PROP. F.S.I AREA ON S. FL.		479.03
PROP. F.S.I AREA ON 3rd. FL.		479.03
PROP. F.S.I AREA ON 4th. FL.		479.03
PROP. F.S.I AREA ON 5th. FL.		479.03
PROP. F.S.I AREA ON 6th. FL.		479.03
PROP. F.S.I AREA ON 7th. FL.		479.03
TOTAL PROP. F.S.I AREA		3558.90
PERMANENT 3. FLOOR AREA TABLE		

8. BASEMENT :

The basement of 200 sq. meters or more should be protected with Automatic Sprinkler system with at least one sprinkler head for actual 20 sq meters. Additionally be protected by a hydraulic outlet and two C.P. running. Hose reel-hose with 8 mm. bore (1/2"size) at each basement level.

9. LIGHTNING ARRESTER :

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

10. PHOTO LUMINESCENT (AUTO GLOW) SIGNAGES :

If the building falls in a confined area or if there is an enclosed area or in not well ventilated area, then the following photo luminescent (auto glow) signages should be displayed at each floor / landing / pathway / door-and along all exit routes leading to the ground level. The signage should include the following, fire safety equipment present on the respective floor/pathway/door-and and along all exit routes leading to the ground level.

11. ELECTRIC POWER SUPPLY TO THE ENTIRE FIRE PROTECTION SYSTEM

Electricity supply to the fire pumps, the alarm system, alarmance production system and 10% should be made available from the main Electrical supply.

FLOOR		USE	EQ. TENANT	FLOOR AREA IN SQ.FT.
BASEMENT	PARKING			
GR. FL.	SHOP / PARKING	7 SHOP		205.69
F.F.L.	RESI.	08 TENA.		479.03
S.F.L.	RESI.	08 TENA.		479.03
3rd. FL.	RESI.	08 TENA.		479.03
4th. FL.	RESI.	08 TENA.		479.03
5th. FL.	RESI.	08 TENA.		479.03
6th. FL.	RESI.	08 TENA.		479.03
7th. FL.	RESI.	08 TENA.		479.03
TOTAL	-	7 SHOP / 56 TENA.		3558.90
SCHEDULE OF OPENINGS				
D - 1.07 X 2.10		W - 1.83 X 1.20		Y - 0.60 X 0.60
D1 - 0.91 X 2.10		W1 - 1.83 X 1.05		
D2 - 0.76 X 2.10		W2 - 1.07 X 1.50		
DW - 1.52 X 2.10		W3 - 1.26 X 1.50		

10.INDIVIDUAL FIRE SAFETY SYSTEM

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

IMPORTANT INSTRUCTIONS:

After inspection of a low-tie building by the fire service authority, if the fire officer concerned feels that need for additional fire prevention/protection measures / verification system required or equipment (i.e. - Passive system / Suppression system / Fire door - Window / Detection system / Active system / Sprinkler / Drencher etc.) as per Rtns and / or French / Public gathering / Potential / Clustering / Confined area, those additional measures / equipment have to be implemented / installed.

COLOUR NOTE		R.C.C STAIR DETAIL
☐ PLOT BOUNDARY ☐ ROAD ☐ PROPOSED WORK ☐ PROPOSED DRAINAGE	☒ PERCOLATING WELL ☒ TREE	R.C.C STAIR - 1.50M WIDE TREAD - 0.25M RISER - 0.175M

FIRE HYDRANT		LEGEND
SR.	SYMBOL	DISCRPTION
1		FIRE HYDRANT PIPE MAIN
2		SLUICE VALVE
3		NON RETURN VALVE
4		COURT YARD HYDRANT VALVE
5		LANDING HYDRANT VALVE
6		HOSE BOX
7		FIRST AID HOSE REEL
8		AIR RELEASE VALVE
9		TWO WAY SIAMSESE CONNECTION
10		RISE OR DROP

2488-517

AMC DEV RESIDENCY
Thaltej, Ahmedabad.
AMC DEV 683301121
Date : 01/12/2016

DEVELOPER'S

Nishil
NISHIL. M. SHAH
(BE CIVIL)
F/4, Bhalkakanogar, Thaltej,
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AMC. CW : 0573190618

CLERY OF WORK

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