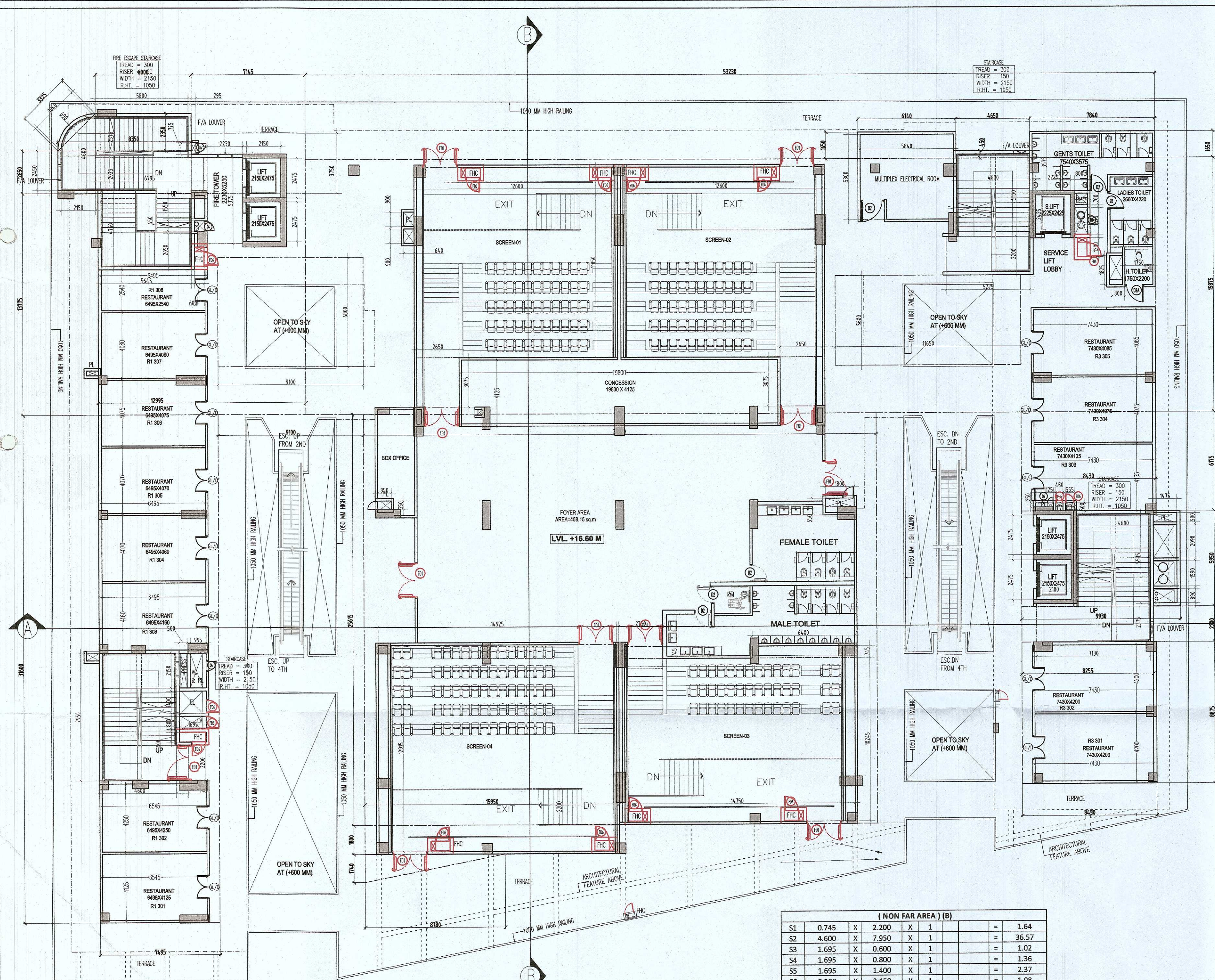
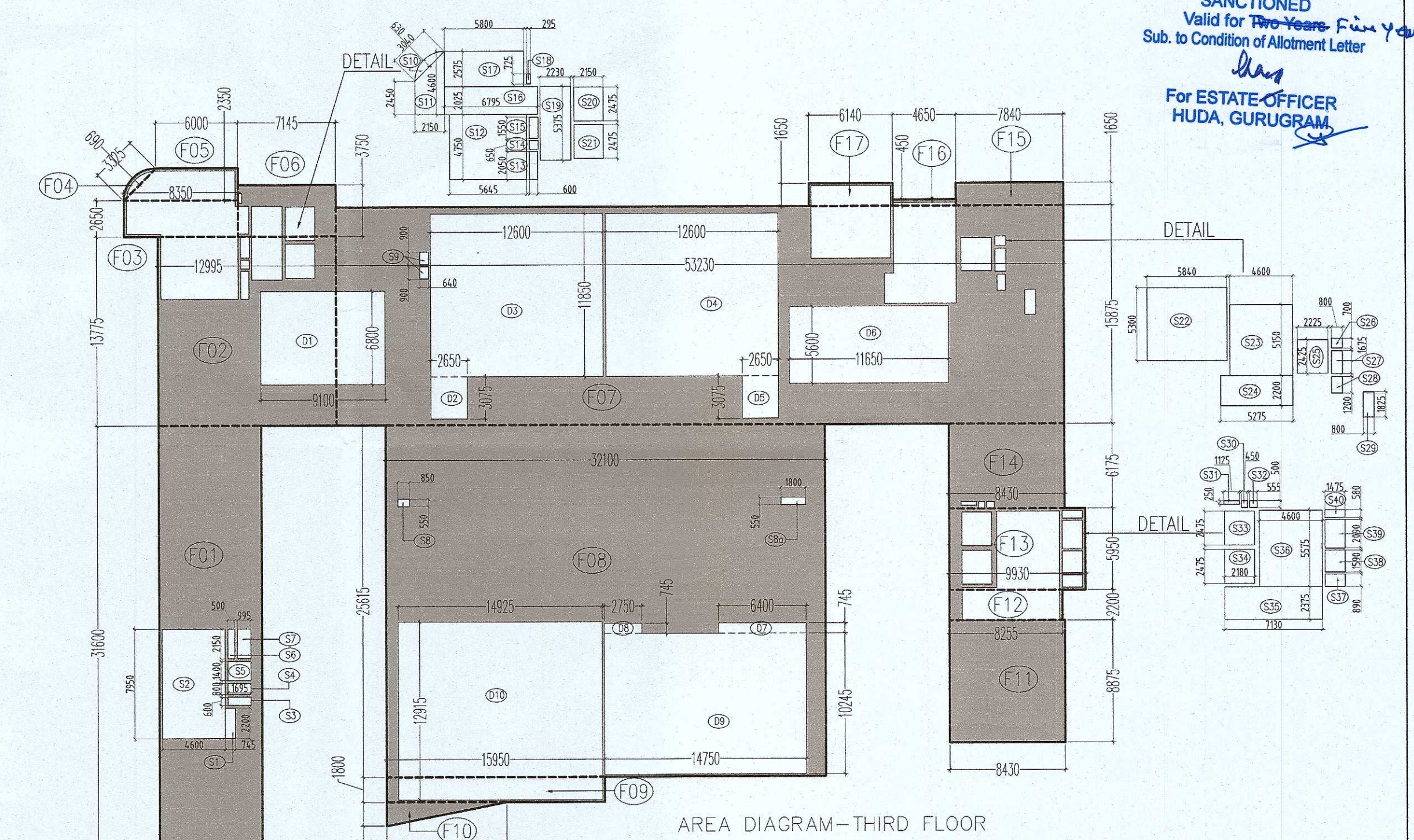


SANCTIONED
Valid for Two Years From Date
Sub. to Condition of Allotment Letter
For Estate OFFICER
HUDA, GURUGRAM



THIRD FLOOR PLAN
LVL. +16.60 M



AREA DIAGRAM-THIRD FLOOR

THIRD FLOOR TOILET CALCULATION									
AUDI TOILET CALCULATION									
TOTAL FAR IN AUDITORIUM MERCANTILE		385.00		POPULATION @ 6				64.167	
AUDI SEATS = 643								771.600	
DENSITY AT THIRD FLOOR				POPULATION @ SEATS X 1.2				838	
								POPULATION	
NO.	PERMANENT POPULATION		FLOATING POPULATION		TOTAL REQUIRED		TOTAL PROVIDED		
	10%	83.58	90%	752.19					
	MALE (2/3)	FEMALE (1/3)	MALE (2/3)	FEMALE (1/3)	MALE	FEMALE	MALE	FEMALE	
POPULATION	56	28	501	251	4	3	4	4	
W.C.	2.23	1.86	2.01	1.57	4	3	4	4	
URINAL	1.86	1.86	10.03		12		12		
WASH BASIN	2.23	1.11	2.01	1.79	4	3	5	4	
MERCANTILE & ASSEMBLY AREA TOILET CALCULATION									
TOTAL FAR IN MERCANTILE		475.53		POPULATION @ 6				79.256	
TOTAL FAR IN ASSEMBLY AREA		411.50		POPULATION @ 1.8				228.611	
DENSITY AT THIRD FLOOR				POPULATION @ 6				308	
								POPULATION	
NO.	PERMANENT POPULATION		FLOATING POPULATION		TOTAL REQUIRED		TOTAL PROVIDED		
	10%	30.79	90%	277.08					
	MALE (2/3)	FEMALE (1/3)	MALE (2/3)	FEMALE (1/3)	MALE	FEMALE	MALE	FEMALE	
POPULATION	21	10	185	92	2	1	4	3	
W.C.	0.82	0.68	0.74	0.58	2	1	4	3	
URINAL	0.68		3.69		4		9		
WASH BASIN	0.82	0.41	0.74	0.66	2	1	4	3	

Staircase Calculation For Third Floor					
Total Gross area	1347.050				
Mercantile Area at Third Floor	475.53				
Assembly Area at Third Floor	411.500				
Audi Area at Third Floor	385.000				
Audi Waiting Area at Third Floor	75.020				
Floors	Average occupant load as per NBCC	No. of occupant	As per NBCC (@ 10mm/ Person)	Exit Required (MM)	EXIT Provided (MM)
Mercantile	475.530	6	79.26	10	792.55
Assembly	411.500	1.8	228.61	10	2286.11
Audi. Seat	643 / 2 = 322	1.2	386.40	10	3864.00
Audi	385.000	6	64.17	10	641.67
Audi	75.020	0.3	22.51	10	225.06
TOTAL		780.94		7809	8600

NOTES

- WHOLE BUILDING SHALL BE MECHANICALLY VENTILATED WITH 100% POWER BACKUP AND SPRINKLERS WITH ARTIFICIAL LIGHTING.
- HANDICAP RAMP WITH RAILING
- ALL PARTITION ARE IN 125/150/200MM THICK IN BLOCK WORK.

THIRD FLOOR AREA CALCULATION						
TOTAL COVERED AREA AT THIRD FLOOR (A)						
= ENVELOPE AREA (E) - DEDUCTION AREA (D)						
ENVELOPE AREA (E)						
S.No.	Length	Breadth	Nos	Height	Area (SQM)	
F1	7.495	X	31.600	X	1	= 236.84
F2	12.995	X	13.775	X	1	= 179.01
F3	8.330	X	2.650	X	1	= 22.19
F4	0.690	X	3.325	X	0.67	= 1.54
F5	6.000	X	8.950	X	0.5	= 16.86
F6	7.145	X	3.750	X	1	= 26.79
F7	53.230	X	15.875	X	1	= 845.03
F8	32.100	X	25.615	X	1	= 822.24
F9	15.950	X	1.800	X	1	= 28.71
F10	8.780	X	1.740	X	0.5	= 7.64
F11	8.430	X	8.875	X	1	= 74.82
F12	8.255	X	2.200	X	1	= 18.16
F13	9.930	X	5.950	X	1	= 59.08
F14	8.430	X	6.175	X	1	= 52.06
F15	7.840	X	1.650	X	1	= 12.94
F16	4.650	X	0.450	X	1	= 2.09
F17	6.140	X	1.650	X	1	= 10.13
TOTAL ENVELOPE AREA (E)						2416.07
DEDUCTION AREA (D)						
D1	9.100	X	6.800	X	1	= 61.88
D2	2.650	X	3.075	X	1	= 8.15
D3	12.600	X	11.850	X	1	= 149.31
D4	12.600	X	11.850	X	1	= 149.31
D5	2.650	X	3.075	X	1	= 8.15
D6	11.650	X	5.600	X	1	= 65.24
D7	6.400	X	0.745	X	1	= 4.77
D8	2.750	X	0.745	X	1	= 2.05
D9	14.750	X	10.245	X	1	= 151.11
D10	14.925	X	12.915	X	1	= 192.76
TOTAL DEDUCTION AREA (D)						792.73
TOTAL COVERED AREA AT THIRD FLOOR (A) = (E-D)						1623.34

(NON FAR AREA) (B)						
S1	0.745	X	2.200	X	1	= 1.64
S2	4.600	X	7.950	X	1	= 36.57
S3	1.695	X	0.600	X	1	= 1.02
S4	1.695	X	0.800	X	1	= 1.36
S5	1.695	X	1.400	X	1	= 2.37
S6	0.500	X	2.150	X	1	= 1.08
S7	0.995	X	2.150	X	1	= 2.14
S8	0.850	X	0.550	X	1	= 0.47
S8a	1.800	X	0.550	X	1	= 0.99
S9	0.900	X	0.640	X	2	= 1.15
S10	0.630	X	3.040	X	0.67	= 1.28
S11	2.450	X	4.600	X	0.5	= 7.58
S12	5.645	X	4.750	X	1	= 26.81
S13	0.600	X	2.050	X	1	= 1.23
S14	0.600	X	0.650	X	1	= 0.39
S15	0.600	X	1.550	X	1	= 0.93
S16	6.795	X	2.025	X	1	= 13.76
S17	5.800	X	2.575	X	1	= 14.94
S18	0.295	X	0.725	X	1	= 0.21
S19	2.230	X	5.375	X	1	= 11.99
S20	2.150	X	2.475	X	1	= 5.32
S21	2.150	X	2.475	X	1	= 5.32
S22	5.840	X	5.300	X	1	= 30.95
S23	4.600	X	5.150	X	1	= 23.69
S24	5.275	X	2.200	X	1	= 11.61
S25	2.225	X	2.425	X	1	= 5.40
S26	0.800	X	0.700	X	1	= 0.56
S27	0.800	X	1.675	X	1	= 1.34
S28	0.800	X	1.200	X	1	= 0.96
S29	0.800	X	1.825	X	1	= 1.46
S30	0.500	X	0.450	X	1	= 0.23
S31	1.125	X	0.250	X	1	= 0.28
S32	0.555	X	0.500	X	1	= 0.28
S33	2.180	X	2.475	X	1	= 5.40
S34	2.180	X	2.475	X	1	= 5.40
S35	7.130	X	2.375	X	1	= 16.93
S36	4.600	X	5.575	X	1	= 25.65
S37	1.475	X	0.890	X	1	= 1.31
S38	1.475	X	1.590	X	1	= 2.35
S39	1.475	X	2.090	X	1	= 3.08
S40	1.475	X	0.580	X	1	= 0.86
TOTAL NON FAR AREA = (B)						276.29
TOTAL FAR AREA AT THIRD FLOOR (F) = (A-B)						1347.05
TOTAL CARPET AREA AT THIRD FLOOR						801.050

FIRE LEGEND:-

- A 100# FIRE HYDRANT RISER
- B 80# DRAIN PIPE
- C 150# SPRINKLER RISER
- FHC FIRE HOSE CABINET

PLUMBING LEGEND:-		PLUMBING LEGEND:-	
	SOIL PIPE		200# RAIN WATER PIPE
	WASTE PIPE		150# RAIN WATER PIPE
	STREET WASTE PIPE		100# RAIN WATER PIPE
	SHOP WASTE PIPE		DOMESTIC WATER SUPPLY
	CORRIDOR DRAIN PIPE		FLUSHING WATER SUPPLY
	DOMESTIC WATER SUPPLY		DOMESTIC WATER SUPPLY RISER
	SAUCER DRAIN		FLUSHING WATER SUPPLY RISER
	100# SOIL PIPE		SOFT WATER SUPPLY
	100# WASTE PIPE		CHAMBER 300X300mm
	75# WASTE PIPE FOR KITCHEN / REST.		FLOOR TR.
	100# WASTE PIPE FOR SHOP		KHURRA 250x250 IN CORRIDOR
	75# VENT PIPE		KHURRA 450x450 IN TERRACE
			150X150mm CUTOFF FOR FT (SHOP)