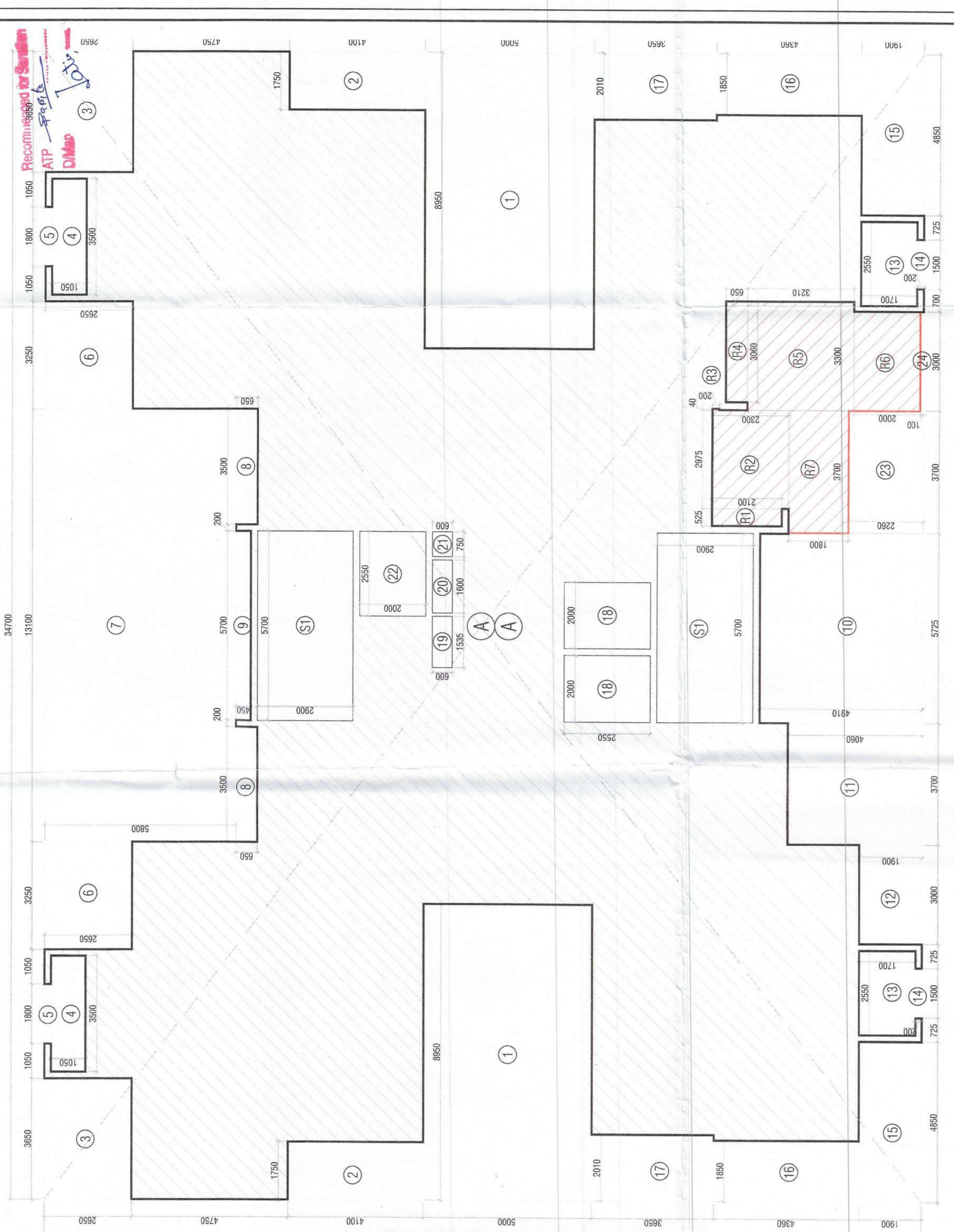


Building Plans Sanction and Plans will be valid for five year only. To be read with Memo No. 16550. Dated: 08-10-2015

Chairman Building Plan Committee cum Senior Town Planner  
Housing & Urban Development  
Mumbai



20TH FLOOR AREA DIAGRAM (REFUGE)

**NOTES:**

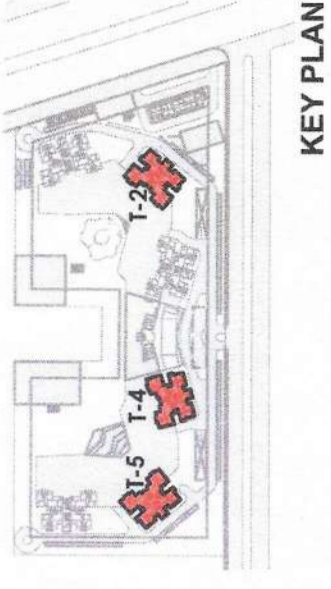
- 1. SHEETS SHALL HAVE WORK POWER BACK UP.
- 2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
- 3. FIRE FIGHTING / SAFETY PROVISIONS SHALL BE AS PER RELEVANT NBC.
- 4. BASEMENT AREA SHALL HAVE MECHANICALLY VENTILATED AS PER RELEVANT CODE.
- 5. BUILDING SHALL BE MECHANICALLY VENTILATED AS PER HARYANA BUILDING CODE 2017 WHEREVER REQUIRED.
- 6. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY RELEVANT U.S. CODES.
- 7. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT U.S. CODES FOR EARTHQUAKE RESISTANCE.
- 8. SOLAR PANELS OF REQUIRED CAPACITY SHALL BE PROVIDED ON ROOF TOP.
- 9. ALL FIRE FIGHTING INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
- 10. ALL DOOR'S HAVE 1 HOUR FIRE RATED ENTRANCE DOOR.
- 11. CENTRAL GROUND WATER SUPPLY SHALL BE PROVIDED AS PER PROJECT SPECIFICATIONS & ALL INTERNAL CONNECTIONS SHALL HAVE 200MM DIA.
- 12. ALL EXTERNAL BLOCK WORK OR MASON STRUCTURE SHALL HAVE 200MM THICKNESS & ALL INTERNAL PARTITIONS SHALL HAVE 100MM THICKNESS.

PROPOSED BUILDING PLAN OF RESIDENTIAL GROUP HOUSING OF GH-4 SITE AREA MEASURING 10.80 ACRES IN SECTOR - 80, IIT MANESAR BEING DEVELOPED BY M/S ASHIANA HOUSING LIMITED.

ARCHITECT'S SEAL & SIGNATURE  
OWNER/AUTH. SIGN.



Scale: 1 : 100  
Drawing No: A-21  
20TH FLOOR PLAN & AREA DETAILS (REFUGE FLOOR) (TOWER-2, 4 & 5)



KEY PLAN

Sl No	Description	Area in Sqmt.
1	Typical floor gross area	539.275
2	2nd & 21st Floor area	1076.550
3	Occupant load @ 12.5m <sup>2</sup> /person	12.500
4	Rec. refuge area @ 0.3 m <sup>2</sup> /person	86.284
5	Rec. refuge area	0.300
6	Rec. refuge area	25.885
7	Wheel Chair requirements 0.9m <sup>2</sup> /200 Persons	0.900
9	Total Refuge area required	26.785
10	Refuge area provided at 20th Floor level	33.195

Name	Width	Height	Stall Height
D1	900	2400	0
D1'	900	2100	0
D2	750	2400	0
D6	1050	2100	0
D7	1050	2400	100
D8	1800	2000	100
D9	1800	2000	100
D10	1400	2100	0
D11	1250	2100	0
D12	2400	2400	0
D13	2540	2400	0
D15	2775	2400	0

Name	Width	Height	Stall Height
DW2	1850	2400	0
W1	750	1500	1200
W1A	750	1500	2400
W2	900	1650	750

S. No.	COEFF.	WIDTH	LENGHT	NOS.	AREA IN SQMT	
<b>ADDITIONS</b>					916.427	
A	1	34.700	26.410	1		916.427
<b>DEDUCTIONS (A1)</b>					916.427	
1	1	8.950	5.000	2		89.500
2	1	1.750	4.100	2		14.350
3	1	3.650	2.650	2		19.345
4	1	3.950	1.950	2		7.750
5	1	1.800	0.200	2		0.720
6	1	3.250	2.650	2		17.225
7	1	13.100	5.800	1		75.980
8	1	3.500	0.650	2		4.550
9	1	5.700	4.910	1		28.110
10	1	3.700	4.060	1		15.022
11	1	3.000	1.900	3		5.700
12	1	1.500	0.200	3		0.900
13	1	1.500	0.200	2		0.600
14	1	1.850	1.800	2		18.430
15	1	1.850	4.380	2		18.132
16	1	2.010	3.650	2		14.673
17	1	2.000	2.550	2		10.200
18	1	1.535	0.800	1		0.921
19	1	1.600	0.800	1		0.960
20	1	0.750	0.800	1		0.450
21	1	0.750	2.000	1		5.100
22	1	3.700	2.000	1		5.100
23	1	3.000	0.100	1		0.300
24	1	3.000	0.100	1	0.300	
<b>TOTAL DEDUCTIONS (A2)</b>					365.215	
<b>NON FAR AREA (STAIRCASE)</b>					33.060	
<b>TOTAL NON FAR AREA (A3)</b>					33.060	
<b>REFUGE AREA</b>					33.195	
R1	1	0.525	2.100	1	1.103	
R2	1	2.975	2.200	1	6.543	
R3	1	3.000	0.200	1	0.600	
R4	1	3.000	3.250	1	10.562	
R5	1	3.000	2.600	1	7.800	
R6	1	3.000	2.600	1	7.800	
R7	1	3.700	1.800	1	6.660	
<b>TOTAL REFUGE AREA (A4)</b>					33.195	
<b>NET AREA OF 20TH FLOOR A1-(A2+A3+A4)</b>					484.957	



20TH FLOOR PLAN (REFUGE FLOOR) LVL +63500

①	1000 OD H.C.S.P. STACK
②	1000 OD H.C.W.P. STACK
③	750 A.S.P.
④	DWS D/TAKE (EXCEPT TOP TWO FLOORS)
⑤	DWS D/TAKE (FOR TOP TWO FLOORS)
⑥	DWS RISER
⑦	FLUSHING RISER
⑧	1100 OD UPVC R.W.P.
⑨	750 UPVC DRAIN PIPE(BALCONY)
⑩	GULLY TRAP
⑪	INSPECTION CHAMBER (600x600x250MM)
⑫	CATCH PIT (600 x 600 x 600 MM)
⑬	SYMBOL
⑭	DESCRIPTION
⑮	SOIL PIPE
⑯	WASTE PIPE
⑰	FLOOR TRAP
⑱	CUTOUT
⑲	FLOOR DRAIN
⑳	DWS PIPE
㉑	DWS PIPE
㉒	CONTROL VALVE
㉓	FIRE PIPE
㉔	SOIL & WASTE WASTE PIPE
㉕	RAIN WATER PIPE
㉖	GULLY TRAP
㉗	INSPECTION CHAMBER (600x600x250MM)
㉘	CATCH PIT (600 x 600 x 600 MM)