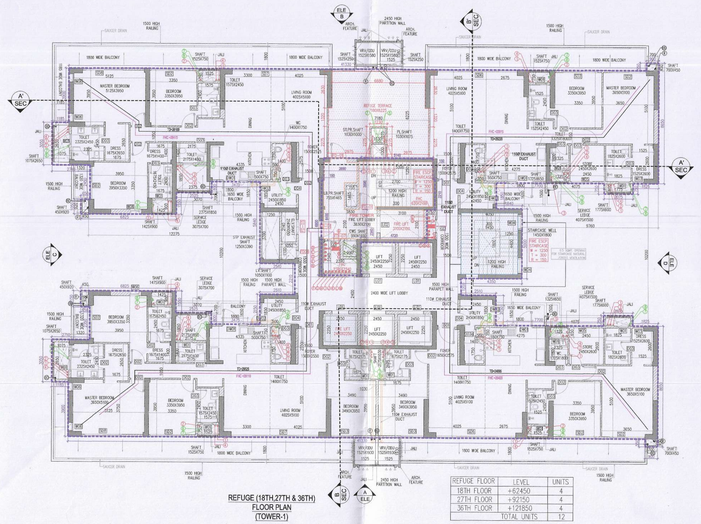
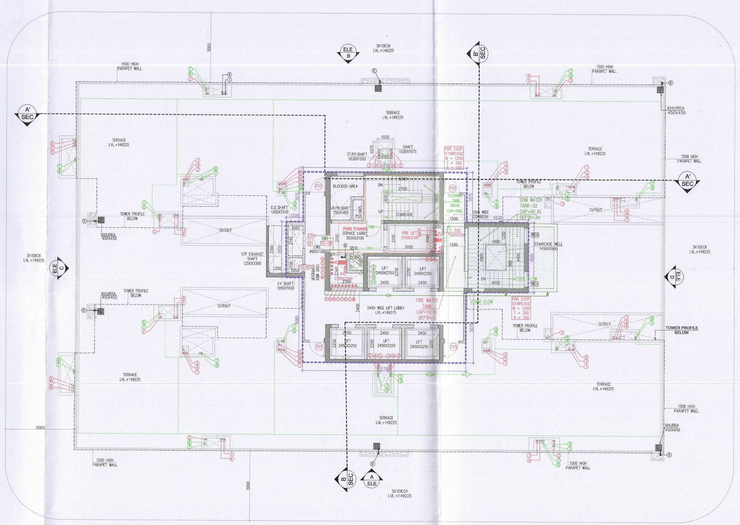
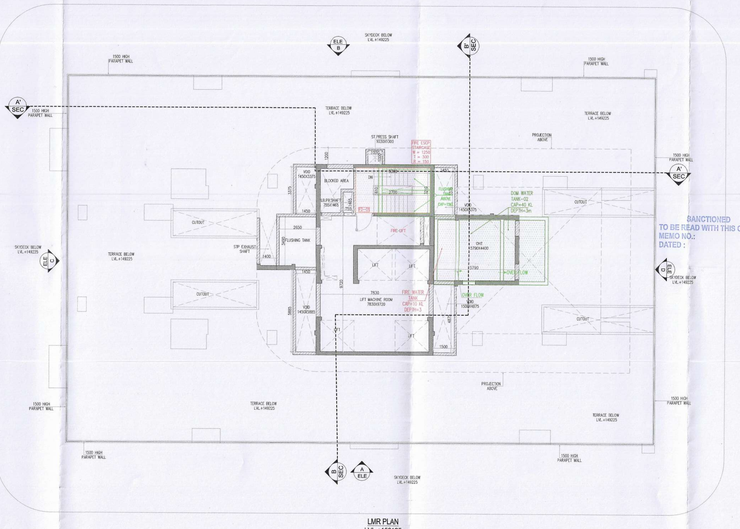


REFUGE (18TH,27TH & 36TH) FLOOR PLAN (TOWER-1)

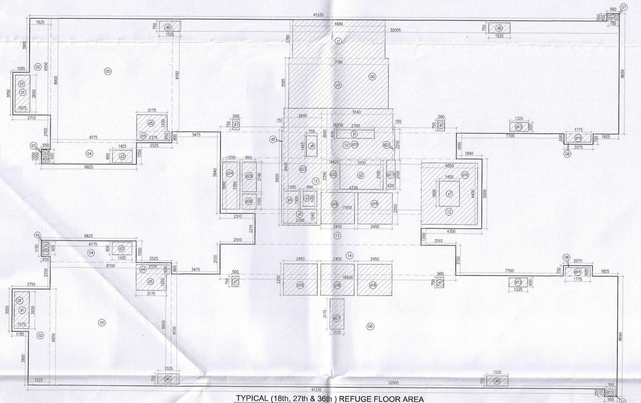
REFUGE FLOOR	LEVEL	UNITS
18TH FLOOR	+62450	4
27TH FLOOR	+92750	4
36TH FLOOR	+121850	4
TOTAL UNITS		12



TERRACE FLOOR PLAN LVL +149225 (TOWER-1)

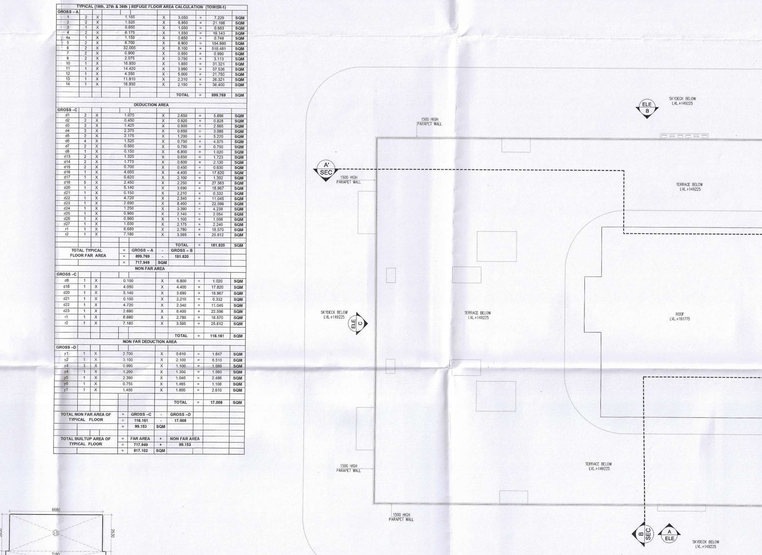


LMR PLAN LVL +158125 (TOWER-1)



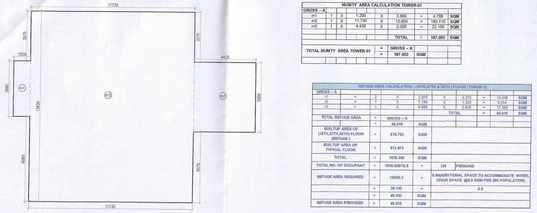
TYPICAL (18th, 27th & 36th) REFUGE FLOOR AREA (TOWER-01)

TYPICAL (18th, 27th & 36th) REFUGE FLOOR AREA CALCULATION (TOWER-01)								
GROSS – A								
1	2	X	1.500	X	5.050	=	7.575	SQM
2	2	X	1.500	X	1.050	=	3.150	SQM
3	2	X	1.500	X	1.050	=	3.150	SQM
4	2	X	8.175	X	5.550	=	18.143	SQM
5	2	X	8.175	X	5.550	=	18.143	SQM
6	2	X	52.065	X	6.150	=	319.499	SQM
7	2	X	52.065	X	6.150	=	319.499	SQM
8	1	X	2.975	X	2.550	=	7.586	SQM
9	1	X	2.975	X	2.550	=	7.586	SQM
10	1	X	16.850	X	1.850	=	31.171	SQM
11	1	X	14.420	X	3.950	=	57.529	SQM
12	1	X	4.050	X	5.950	=	24.098	SQM
13	1	X	4.050	X	5.950	=	24.098	SQM
14	1	X	16.850	X	2.150	=	36.403	SQM
					TOTAL	=	999.789	SQM
DEDUCTION AREA								
GROSS –C								
d1	2	X	1.050	X	2.650	=	5.565	SQM
d2	2	X	1.050	X	2.650	=	5.565	SQM
d6	2	X	1.425	X	2.350	=	6.705	SQM
d8	2	X	2.375	X	0.650	=	3.088	SQM
d9	2	X	2.375	X	0.650	=	3.088	SQM
d10	2	X	1.500	X	2.750	=	8.250	SQM
d7	1	X	0.500	X	0.750	=	0.750	SQM
d11	2	X	1.125	X	4.450	=	10.013	SQM
d12	2	X	1.125	X	4.450	=	10.013	SQM
d14	2	X	1.775	X	0.650	=	2.308	SQM
d15	2	X	2.750	X	0.650	=	3.575	SQM
d16	1	X	4.950	X	4.450	=	17.835	SQM
d17	1	X	4.950	X	4.450	=	17.835	SQM
d18	1	X	2.450	X	2.550	=	6.248	SQM
d20	1	X	5.140	X	3.550	=	18.247	SQM
d21	1	X	5.140	X	3.550	=	18.247	SQM
d22	1	X	2.150	X	3.150	=	6.773	SQM
d23	1	X	7.650	X	3.450	=	26.393	SQM
d24	1	X	7.650	X	3.450	=	26.393	SQM
d25	1	X	5.950	X	3.140	=	18.683	SQM
d26	1	X	5.950	X	3.140	=	18.683	SQM
d27	1	X	1.950	X	3.115	=	6.074	SQM
d1	1	X	5.650	X	2.750	=	15.537	SQM
d	1	X	7.150	X	3.350	=	23.953	SQM
					TOTAL	=	181.820	SQM
TOTAL TYPICAL FLOOR FAR AREA			= 999.789 - 181.820 = 817.969 SQM				GROSS – B	
NON FAR AREA								
GROSS –C								
d4	1	X	0.150	X	6.800	=	1.020	SQM
d10	1	X	4.050	X	4.400	=	17.820	SQM
d20	1	X	5.140	X	3.650	=	18.761	SQM
d21	1	X	6.150	X	2.210	=	13.592	SQM
d22	1	X	4.150	X	2.340	=	11.049	SQM
d23	1	X	2.950	X	6.400	=	22.080	SQM
d24	1	X	2.950	X	6.400	=	22.080	SQM
d1	1	X	5.650	X	2.750	=	15.537	SQM
d	1	X	7.150	X	3.350	=	23.953	SQM
					TOTAL	=	116.167	SQM
NON FAR DEDUCTION AREA								
GROSS –D								
v1	1	X	2.750	X	0.610	=	1.677	SQM
v2	1	X	2.750	X	0.610	=	1.677	SQM
v3	1	X	3.350	X	1.150	=	3.853	SQM
v4	1	X	1.250	X	1.350	=	1.688	SQM
v5	1	X	2.350	X	1.040	=	2.444	SQM
v6	1	X	0.750	X	1.460	=	1.095	SQM
v7	1	X	1.450	X	1.600	=	2.320	SQM
					TOTAL	=	17.808	SQM
TOTAL NON FAR AREA OF TYPICAL FLOOR			= GROSS –C - GROSS –D = 116.167 - 17.808 = 98.183 SQM					
TOTAL MULTIUP AREA OF TYPICAL FLOOR			= FAR AREA + NON FAR AREA = 817.969 + 98.183 = 917.152 SQM					



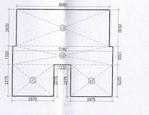
ROOF PLAN LVL +161775 (TOWER-1)

MUMTY AREA CALCULATION TOWER-01								
GROSS – A								
m1	1	X	1.200	X	3.900	=	4.680	SQM
m2	1	X	11.750	X	11.650	=	136.888	SQM
m3	1	X	4.420	X	5.500	=	24.310	SQM
					TOTAL	=	167.878	SQM
TOTAL MUMTY AREA TOWER-01					= GROSS – A = 167.878			SQM

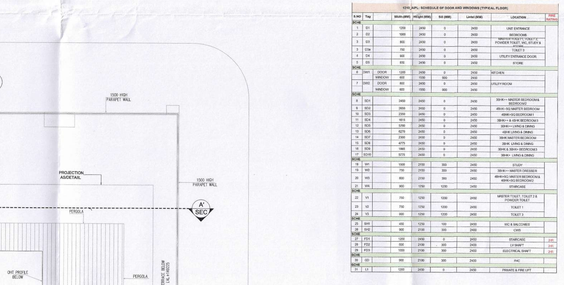


MUMTY & OHT AREA (TOWER-01)

REFUGE AREA CALCULATION – (18TH,27TH & 36TH FLOOR (TOWER-1))								
GROSS – A								
r1	1	X	2.600	X	2.600	=	13.520	SQM
r2	1	X	4.350	X	2.600	=	22.620	SQM
r3	1	X	6.600	X	1.000	=	17.200	SQM
					TOTAL	=	48.816	SQM
TOTAL REFUGE AREA			= GROSS – A = 48.816					
MULTUP AREA OF (18TH,27TH,36TH) FLOOR (REFUGE)			= 916.793 SQM					
MULTUP AREA OF TYPICAL FLOOR			= 917.969 SQM					
TOTAL			= 1835.480 SQM					
TOTAL NO. OF OCCUPANT			= 1835.480/18.2 = 100 PERSONS					
REFUGE AREA REQUIRED			= 100/50.3 = 1.9 (MINIMUM TWO AREAS TO ACCOMMODATE WHEEL CHAIR SPACE @0.9 SQM PER 200 POPULATION)					
			= 35.100 = 0.9					
REFUGE AREA PROVIDED			= 48.816 SQM					
			= 48.816 SQM					



REFUGE (18TH,27TH & 36TH) AREA (TOWER-1)



STP (MPL) SCHEDULE OF DOOR AND WINDOWS (TYPICAL PLANS)							
SYMB	TYPE	WIDTH (MM)	HEIGHT (MM)	SILL (MM)	LINTEL (MM)	LOCATION	REMARKS
DOOR							
D	D1	1200	2010	0	2400	LIVE ENTRANCE	
D	D2	1000	2010	0	2400	BEDROOMS	
D	D3	900	2010	0	2400	TERRACE/TOILET/BALCONY & POWDER/FAMILY HALL/KITCHEN & TERRACE	
D	D3A	750	2010	0	2400	TOILET	
D	D4	900	2010	0	2400	UTILITY/STORAGE DOOR	
D	D5	600	2010	0	2400	STORE	
D	DW1	2000	1200	1000	2400	WOODEN	
D	DW2	1800	1200	1000	2400		
D	DW3	1500	1200	1000	2400	UTILITY ROOM	
D	DW4	1200	1200	1000	2400		
WINDOW							
W	W1	2400	2400	0	2400	3BHK+1 MASTER BEDROOM & BEDROOMS	
W	W2	2000	2400	0	2400	2BHK+1BEDROOM & BEDROOM	
W	W3	2400	2400	0	2400	4BHK+4BEDROOM	
W	W4	1800	2400	0	2400	3BHK+1 & 4BHK BEDROOMS	
W	W5	2400	2400	0	2400	3BHK+1,HALL & DINING	
W	W6	1800	2400	0	2400	4BHK,HALL & DINING	
W	W7	2400	2400	0	2400	3BHK,HALL & DINING	
W	W8	1800	2400	0	2400	3BHK,HALL & 3BHK BEDROOMS	
W	W9	1800	2400	0	2400	3BHK,HALL & DINING	
W	W10	2400	2400	0	2400	3BHK+1,HALL & DINING	
W	W11	1500	2100	900	2400	STORE	
W	W12	1200	2100	900	2400	3BHK+1 MASTER BEDROOM	
W	W13	1800	2100	300	2400	3BHK+1BEDROOM & MASTER BEDROOM	
W	W14	900	1200	1200	2400	STAIRCASE	
W	W15	1500	2100	300	2400	3BHK+1BEDROOM & TOILET	
W	W16	750	1200	1200	2400	TOILET	
W	W17	900	1200	1200	2400	TOILET	
W	W18	600	1200	1200	2400	M/S & BALCONIES	
W	W19	900	2100	300	2400	CORR	
W	W20	1200	1200	0	2400	STAIRCASE	
W	W21	900	2100	300	2400	3 BHK**	
W	W22	1200	2100	300	2400	BUS STOP/ALL SHAFT	
W	W23	900	2100	300	2400		
W	W24	900	2100	300	2400	PHC	
W	W25	1200	2100	0	2400	PRIVATE & PHE LIFT	

TYPICAL MECHANICAL VENTILATION SECTION

TYPICAL VENTILATION REQUIREMENTS TABLE								
S.NO.	LOCATION	AREA (sq. ft)	HEIGHT (ft)	VOLUME (cu. ft)	NO.OF ACH	ASSETED EXHAUST FAN	FAN SIZE	EXHAUST DUCT SIZE (MM)
					ASSETED ACH			
1	Bedroom Toilet	3.94	7.17	12.23	6.00	100.00	230 mm	110 D(W)
2	Visitor Toilet	7.65	7.17	23.74	6.00	100.00	230 mm	110 D(W)

PLUMBING VERTICAL PIPES SCHEDULE:-

S.NO.	SYMBOL	DESCRIPTION
1		150M SOIL & WASTE PIPE
2		100M WASTE PIPE
3		100M WASTE PIPE FOR KITCHEN
4		75M VENT PIPE
5		DOMESTIC WATER SUPPLY MAIN PIPE
6		DOMESTIC WATER SUPPLY BRANCH PIPE
7		FLUSHING WATER SUPPLY MAIN PIPE
8		FLUSHING WATER SUPPLY BRANCH PIPE
9		DOMESTIC WATER RISER TO CWT
10		FLUSHING WATER RISER TO CWT
11		150M RAIN WATER PIPE

PLUMBING LEGEND

SYM.	DESCRIPTION
BV	BALL VALVE
DWS	DOMESTIC WATER SUPPLY
FWS	FLUSHING WATER SUPPLY
DWR	DOMESTIC WATER RISER
FWR	FLUSHING WATER RISER

FIRE CONNECTION DIA

WC TO SINGLE	100M SOIL PIPE
2WC TO 3 T	150M SOIL PIPE
FT TO 5 T	150M WASTE PIPE
MORE THAN 10 FT	150M SOIL PIPE
FT TO STACK	100M WASTE PIPE

PLUMBING LEGEND:-

S.NO.	ABBREVIATION	SYMBOL	DESCRIPTION
1	WP		100M WASTE PIPE
2	SP		40/50M WASTE PIPE
3	VP		100M SOIL PIPE
4	SOP		150M SOIL PIPE
5	MT		M/S TRAP
6	GT		GUTTERING
7	FCO		FLOOR CLEAN OUT
8	CCP		CLEAN OUT PLUG
9	ARROW		SLOPE ARROW

FIRE FIGHTING LEGEND:-

S. No.	SYMBOL	DESCRIPTION
1	A	50M SPRINKLER DRAIN PIPE
2	B	150M HYDRANT PIPE (LOW ZONE-B2 TO 7TH FLOOR)
3	C	150M HYDRANT PIPE (MID ZONE-8TH TO 18TH)
4	D	150M HYDRANT PIPE (HIGH ZONE-20-28TH TO 36TH FLOOR)
5	E	150M HYDRANT PIPE (HIGH ZONE-1C- 32ND TO TERRACE)
6	F	150M SPRINKLER PIPE (LOW ZONE-B2 TO 7TH FLOOR)
7	G	150M SPRINKLER PIPE (MID ZONE-8TH TO 18TH FLOOR)
8	H	150M SPRINKLER PIPE (HIGH ZONE-20TH TO 36TH FLOOR)
9	I	150M SPRINKLER PIPE (HIGH ZONE-1C- 32ND TO TERRACE)
10	J	150M SPRINKLER PIPE (LOW ZONE-B2 TO 7TH FLOOR)(STANDBY)
11	K	150M SPRINKLER PIPE (MID ZONE-8TH TO 18TH)(STANDBY)
12	L	150M SPRINKLER PIPE (HIGH ZONE-20-28TH TO 36TH FLOOR)(STANDBY)
13	M	150M SPRINKLER PIPE (HIGH ZONE-1C- 32ND TO TERRACE)(STANDBY)
14	N	150M WARD-UP LINE FROM SMP
15		UP-RISER TYPE SPRINKLER (X-BO)
16		SIDE WALL SPRINKLER (X-BO)
17		CEIL WALL SPRINKLER (X-BO)
18		SIDE WALL SPRINKLER (UPRIGHT)(X-BO)
19		TYPE SPRINKLER VALVE
20		CO2 FIRE EXTINGUISHER 4.5 Kg.CAP CO WARNER
21		ABC DRY POWDER TYPE FIRE EXTINGUISHER 6 Kg. CAP CO WARNER
22		OUTSTANDING VALVE
23	FHC	FIRE HOSE CABINET
24		FLOW SWITCH
25	FHC	FIRE HOSE CABINET

Note :-

1. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY NBC.
2. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
3. ALL TOILET & KITCHEN HAVE PERMANENT VENTILATION /EXHAUST.
4. ALL BUILDINGS ARE NATURALLY VENTILATED AND WHERE EVER REQUIRED MECHANICAL VENTILATION IS PROPOSED WITH 100% POWER BACKUP.

S.T.P.(HQ) Member Secretary DTP
S.T.P.(G) Member B.P.A.C.
Chairman B.P.A.C.
DTP(HQ)
ATP(HQ)
Rajesh Dutt SD(HQ)
AD PA ATP

Project

PROPOSED BUILDING PLAN OF RESIDENTIAL GROUP HOUSING COLONY OVER AN AREA MEASURING 5.10625 ACRE (LICENSE NO. 61 OF 2025 DATED 01-05-2025) IN SECTOR 103, GURUGRAM BEING DEVELOPED BY SUN INTERNATIONAL LTD. & OTHERS IN COLLABORARION WITH FLORALESSENCE PROJECTS PRIVATE LIMITED.

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OWNER'S SEAL & SIGNATURE
JD(T) MEMBER BPAC
FLORALESSENCE PROJECTS PRIVATE LIMITED
Authorised Signatory

ARCHITECT'S SEAL & SIGNATURE
POOJA NIKHAR CA/2012/55585
(Ph.011-41122200)

Checked and found okay as per the sketch (Internal) Service only subject to comments in it forwarding letter No. 2025-10 dt. 17/12/25

Designed by Engineer
Dy. Chief Engineer
HSVP, Panchkula

Drawing Title: PROPOSED 18th,27th & 36th FLOOR PLAN & AREA CALCULATION & TERRACE PLAN,LMR PLAN & ROOF PLAN (TOWER-01)

Drawing No: T1-05

B
31-OCT-25