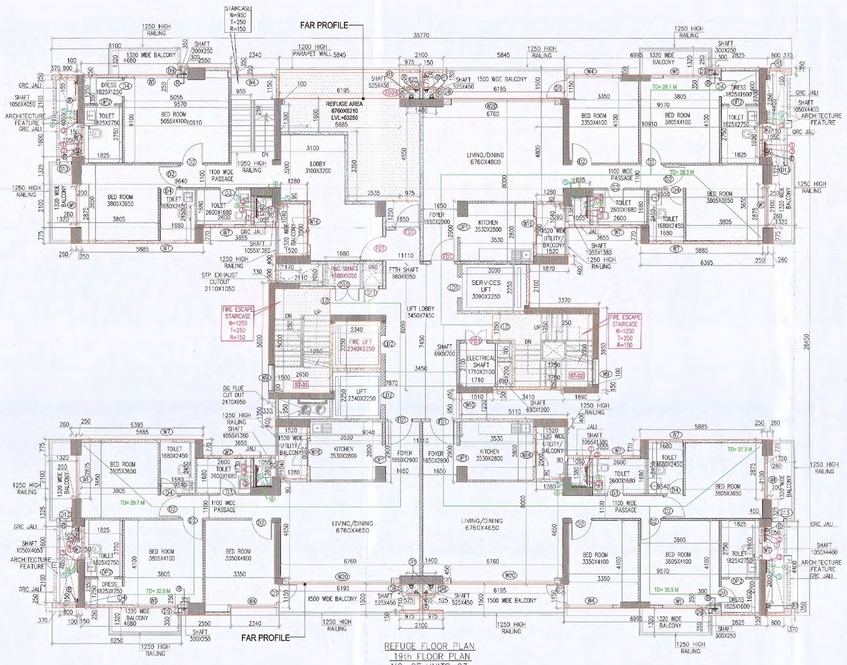
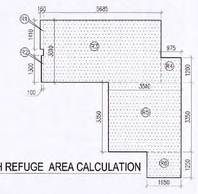


REFUGE FLOOR PLAN
19th FLOOR PLAN
NO. OF UNITS-03
TOWER-2 (LVL+62265)
TOWER-4 (LVL+63265)



19TH REFUGE AREA CALCULATION

REFUGE AREA CALCULATION - 19TH (TOWER - 2 & 4)								
GROSS - A								
R1	=	1	X	6.180	X	1.400	=	8.226 SQM
R2	=	1	X	6.180	X	1.300	=	8.130 SQM
R3	=	1	X	5.665	X	3.010	=	17.112 SQM
R4	=	1	X	0.815	X	1.215	=	1.185 SQM
R5	=	1	X	3.510	X	3.330	=	11.759 SQM
R6	=	1	X	1.650	X	1.250	=	2.063 SQM
					TOTAL	=		50.473 SQM
GROSS AREA OF 19TH FLOOR (TOWER - 2 & 4)	=	551.827	SQM					
GROSS AREA OF 20TH FLOOR (TOWER - 2 & 4)	=	578.310	SQM					
TOTAL	=	1130.137	SQM					
REFUGE AREA REQUIRED	=	1130.137X3.5/12.5	=	ADDITIONAL SPACE TO ACCOMMODATE ONE WHEEL CHAIR SPACE				
	=	27.123	=	0.9				
REFUGE AREA PROVIDED	=	50.823	SQM					
	=	32.473	SQM					

Door Schedule (Typical)

Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
FD-1	1200	2355	0	2355	LIVING ROOM (MAIN DOOR)	FIRE DOOR (2HR FIRE RATED)
D-2	1000	2355	0	2355	BEDROOM	FLUSH DOOR
D-3	800	2355	0	2355	COMMON TOILET	FLUSH DOOR
D-4	800	2355	0	2355	MASTER TOILET	FLUSH DOOR
LD					STAIRCASE	LOUVERED DOOR
D-1	900	2355	0	2355	BEDROOM (BALCONY)	GLASS DOOR
LD-1	1000	2240	0	2240	SERVICE LIFT	LIFT DOOR AS PER VENDOR DETAIL
LD-2	1000	2240	0	2240	PASSENGER LIFT	LIFT DOOR AS PER VENDOR DETAIL
FD-3	1050	2130	235	2365	ELECTRICAL SHAFT	FIRE DOOR (2HR FIRE RATED)
D-10	1200	2130	235	2365	FHC SHAFT	METAL DOOR
D-11	800	2130	235	2365	FITH SHAFT	METAL DOOR
OP-1	1000	2355	0	2355	KITCHEN	OPENING
OP-2	800	2355	0	2355	TOILET	OPENING
D-8	450	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-12	750	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-14	600	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-9	250	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD

Window Schedule (Typical)

Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
W-08	2100	2355	0	2355	MASTER BEDROOM / BEDROOM	ALUMINIUM SLIDING WINDOW
W-04	2100	2230	125	2230	BEDROOM	ALUMINIUM FIXED + SLIDING WINDOW
W-07	600	1170	1185	2355	M.TOILET / C. TOILET	ALUMINIUM FIXED + CASEMENT WINDOW
W-09	1250	1530	845	2375	STAIRCASE	ALUMINIUM LOUVERED WINDOW
W-10	1250	1180	1185	2365	LIFT LOBBY	ALUMINIUM LOUVERED WINDOW
W-16	1350	2355	0	2355	KITCHEN	OPENABLE WINDOW
W-20	5000	2355	0	2355	LIVING ROOM	ALUMINIUM SLIDING WINDOW

Door Schedule (18th)

Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
FD-1	1200	2355	0	2355	LIVING ROOM (MAIN DOOR)	FIRE DOOR (2HR FIRE RATED)
D-2	1000	2355	0	2355	BEDROOM	FLUSH DOOR
D-3	800	2355	0	2355	COMMON TOILET	FLUSH DOOR
D-4	800	2355	0	2355	MASTER TOILET	FLUSH DOOR
LD					STAIRCASE	LOUVERED DOOR
D-1	900	2355	0	2355	BEDROOM (BALCONY)	GLASS DOOR
LD-1	1000	2240	0	2240	SERVICE LIFT	LIFT DOOR AS PER VENDOR DETAIL
LD-2	1000	2240	0	2240	PASSENGER LIFT	LIFT DOOR AS PER VENDOR DETAIL
FD-3	1050	2130	235	2365	ELECTRICAL SHAFT	FIRE DOOR (2HR FIRE RATED)
D-10	1200	2130	235	2365	FHC SHAFT	METAL DOOR
D-11	800	2130	235	2365	FITH SHAFT	METAL DOOR
OP-1	1000	2355	0	2355	KITCHEN	OPENING
OP-2	800	2355	0	2355	TOILET	OPENING
D-8	450	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-12	750	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-14	600	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-9	250	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD

Window Schedule (18th)

Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
W-08	2100	2355	0	2355	MASTER BEDROOM / BEDROOM	ALUMINIUM SLIDING WINDOW
W-04	2100	2230	125	2230	BEDROOM	ALUMINIUM FIXED + SLIDING WINDOW
W-07	600	1170	1185	2355	M.TOILET / C. TOILET	ALUMINIUM FIXED + CASEMENT WINDOW
W-09	1250	1530	845	2375	STAIRCASE	ALUMINIUM LOUVERED WINDOW
W-10	1250	1180	1185	2365	LIFT LOBBY	ALUMINIUM LOUVERED WINDOW
W-16	1350	2355	0	2355	KITCHEN	OPENABLE WINDOW
W-20	5000	2355	0	2355	LIVING ROOM	ALUMINIUM SLIDING WINDOW

Door Schedule (19th)

Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
FD-1	1200	2355	0	2355	LIVING ROOM (MAIN DOOR)	FIRE DOOR (2HR FIRE RATED)
D-2	1000	2355	0	2355	BEDROOM	FLUSH DOOR
D-3	800	2355	0	2355	COMMON TOILET	FLUSH DOOR
D-4	800	2355	0	2355	MASTER TOILET	FLUSH DOOR
LD					STAIRCASE	LOUVERED DOOR
FD-13	1200	2355	0	2365	REFUGE AREA	FIRE DOOR (2HR FIRE RATED)
D-1	900	2355	0	2355	BEDROOM (BALCONY)	GLASS DOOR
LD-1	1000	2240	0	2240	SERVICE LIFT	LIFT DOOR AS PER VENDOR DETAIL
LD-2	1000	2240	0	2240	PASSENGER LIFT	LIFT DOOR AS PER VENDOR DETAIL
FD-3	1050	2130	235	2365	ELECTRICAL SHAFT	FIRE DOOR (2HR FIRE RATED)
D-10	1200	2130	235	2365	FHC SHAFT	METAL DOOR
D-11	800	2130	235	2365	FITH SHAFT	METAL DOOR
OP-1	1000	2355	0	2355	KITCHEN	OPENING
OP-2	800	2355	0	2355	TOILET	OPENING
D-8	450	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-12	750	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-14	600	1780	160	1940	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-9	250	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD

Window Schedule (19th)

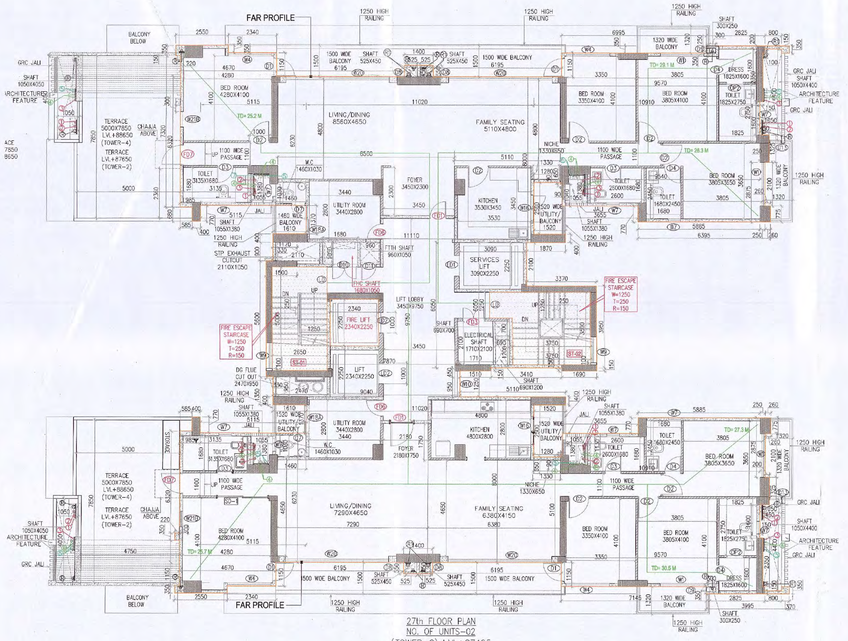
Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
W-01	2100	2355	0	2355	MASTER BEDROOM / BEDROOM	ALUMINIUM SLIDING WINDOW
W-04	2100	2230	125	2230	BEDROOM	ALUMINIUM FIXED + SLIDING WINDOW
W-07	600	1170	1185	2355	M.TOILET / C. TOILET	ALUMINIUM FIXED + CASEMENT WINDOW
W-09	1250	1530	845	2375	STAIRCASE	ALUMINIUM LOUVERED WINDOW
W-10	1250	1180	1185	2365	LIFT LOBBY	ALUMINIUM LOUVERED WINDOW
W-16	1350	2355	0	2355	KITCHEN	OPENABLE WINDOW
W-18A	1370	2355	0	2355	UTILITY ROOM	ALUMINIUM SLIDING WINDOW
W-20	5000	2355	0	2355	LIVING ROOM	ALUMINIUM SLIDING WINDOW

Door Schedule (20th)

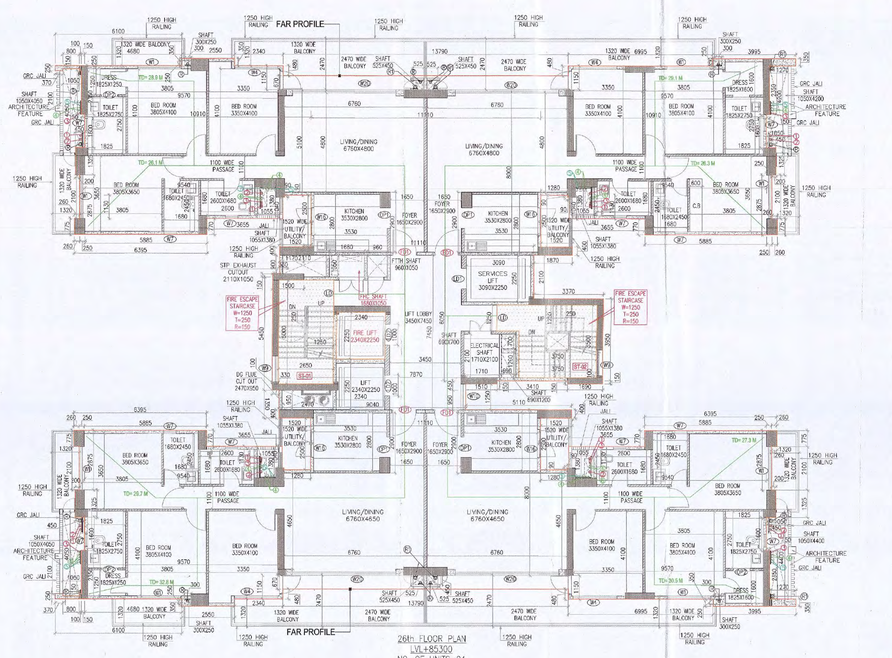
Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
FD-1	1200	2355	0	2355	LIVING ROOM (MAIN DOOR)	FIRE DOOR (2HR FIRE RATED)
D-2	1000	2355	0	2355	BEDROOM	FLUSH DOOR
D-3	800	2355	0	2355	COMMON TOILET	FLUSH DOOR
D-4	800	2355	0	2355	MASTER TOILET	FLUSH DOOR
LD					STAIRCASE	LOUVERED DOOR
D-1	900	2355	0	2355	BEDROOM (BALCONY)	GLASS DOOR
LD-1	1000	2240	0	2240	SERVICE LIFT	LIFT DOOR AS PER VENDOR DETAIL
LD-2	1000	2240	0	2240	PASSENGER LIFT	LIFT DOOR AS PER VENDOR DETAIL
FD-3	1050	2130	235	2365	ELECTRICAL SHAFT	FIRE DOOR (2HR FIRE RATED)
D-10	1200	2130	235	2365	FHC SHAFT	METAL DOOR
D-11	800	2130	235	2365	FITH SHAFT	METAL DOOR
OP-2	800	2355	0	2355	TOILET	OPENING
D-8	450	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-12	750	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-14	600	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD
D-9	250	2230	160	2390	SHAFT DOOR	OPENABLE FIBRE CEMENT BOARD

Window Schedule (20th)

Type Mark	OPENING Width	Height	Sill Height	Head Height	Location	Description
W-01	2100	2355	0	2355	MASTER BEDROOM / BEDROOM	ALUMINIUM SLIDING WINDOW
W-04	2100	2230	125	2230	BEDROOM	ALUMINIUM FIXED + SLIDING WINDOW
W-07	600	1170	1185	2355	M.TOILET / C. TOILET	ALUMINIUM FIXED + CASEMENT WINDOW
W-09	1250	1530	845	2375	STAIRCASE	ALUMINIUM LOUVERED WINDOW
W-10	1250	1180	1185	2365	LIFT LOBBY	ALUMINIUM LOUVERED WINDOW
W-16	1350	2355	0	2355	KITCHEN	OPENABLE WINDOW
W-18A	1370	2355	0	2355	UTILITY ROOM	ALUMINIUM SLIDING WINDOW
W-20	5000	2355	0	2355	LIVING ROOM	ALUMINIUM SLIDING WINDOW
W-21B	750	2130	225	2130	BEDROOM (SIMPLEX)	ALUMINIUM FIXED + CASEMENT WINDOW



27th FLOOR PLAN
NO. OF UNITS-02
(TOWER-2) LVL+87465
(TOWER-4) FFL+88465



26th FLOOR PLAN
LVL+85350
NO. OF UNITS-04
TOWER-2 (LVL+84315)
TOWER-4 (FFL+85315)

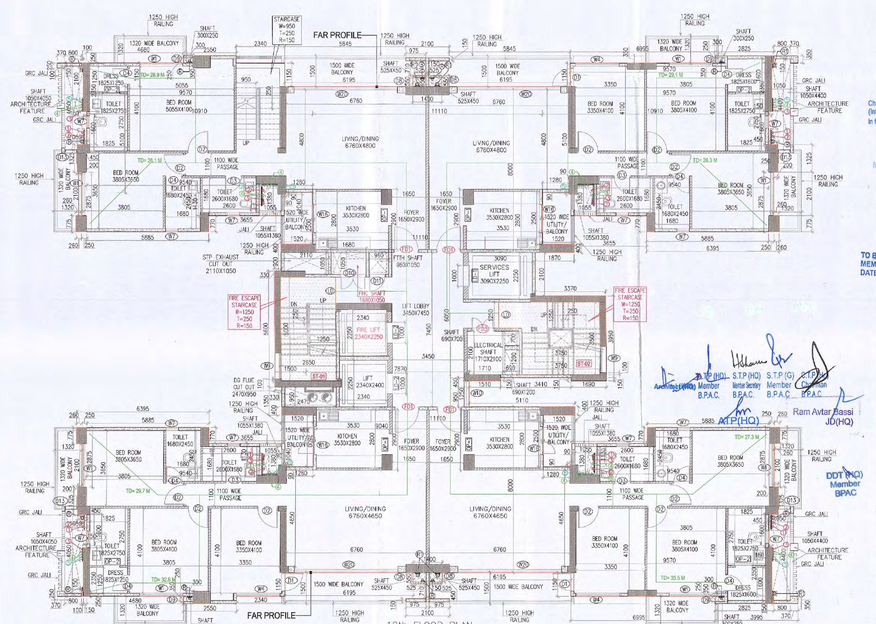
PLUMBING LEGEND-		
1	110 OD SOIL PIPE	
2	110 OD WASTE PIPE	
3	75 OD ANTI VENT PIPE	
4	DOMESTIC WATER SUPPLY PIPE	
5	FLUSHING WATER SUPPLY PIPE	
6	DOMESTIC WATER RISER PIPE TO CHT	
7	FLUSHING WATER RISER PIPE TO CHT	
R	110 OD RAIN WATER PIPE	
R1	160 OD RAIN WATER PIPE	
FT	FLOOR TRAP CUTOUT	
FD	FLOOR DRAIN	
BG	BALCONY DRAIN	
MFT	MULTY FLOOR TRAP	

PIPE CONNECTION DIA :-	
WC TO TO STACK	110 OD uPVC SOIL PIPE
URINAL BASIN TO UT	50 OD uPVC SOIL PIPE
UT TO STACK	110 OD uPVC SOIL PIPE
WASH BASIN TO FT	40 OD uPVC WASTE PIPE
FT TO STACK	110 OD uPVC WASTE PIPE
FD TO FT	63 OD uPVC WASTE PIPE
SINK TO FT	50 OD uPVC WASTE PIPE

PIPE SLOPE TABLE :-	
160 OD SOIL & WASTE PIPE	SLOPE- 1:100
110 OD SOIL & WASTE PIPE	SLOPE- 1:70

PLUMBING LEGEND-	
DWS	DOMESTIC WATER SUPPLY
FWS	FLUSHING WATER SUPPLY
DWR	DOMESTIC WATER RISER
FWR	FLUSHING WATER RISER
BWS	DOMESTIC WATER SUPPLY FOR BOOSTER PUMP

BY dft UP TO 40Ø BALL VALVE / ABOVE 40Ø BUTTERFLY VALVE



18th FLOOR PLAN
NO. OF UNITS-04
TOWER-2(LVL+59115)
TOWER-4(LVL+60115)

Note :-

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
2. BUILDING IS HAS AUTOMATIC SPRINKLER SYSTEM ON ALL FLOORS.

LEGEND:-

PROJECT:-

PROPOSED GROUP HOUSING SITE MEASURING 9.53 ACRES IN RESIDENTIAL PLOTTED COLONY MEASURING 177.86 ACRES(LICENSE NO. 10 OF 2009 DATED DT.21.05.2009,LICENSE NO. 113 OF 2011 DATED 22.12.2011 & LICENSE NO. 117 OF 2022 DATED 23.08.2022) IN SECTOR 65 & 62,GURUGRAM BEING DEVELOPED BY ACTIVE PROMOTERS AND OTHERS IN COLLABORATION WITH EMAAR INDIA LTD(FORMERLY KNOWN AS EMAAR MGF LAND LTD)

ARCHITECT:

DSP DESIGN ASSOCIATES PVT. LTD.
Architects & Interior Designers

8th Floor, Devchand House, Shiv Sagar Estate, Dr Annie Besant Road, Opposite Nehru Centre, Worli, Mumbai - 400 018. Tel: +91 22 4915 1800 Web: www.dspdesign.co.in

#1002A, Tenth Floor, Times Tower, M.G. Road, Gurgaon 122002. Tel: +91 124 4221417

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Associate Architects

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(Behind D2), Vasant Kunj,
New Delhi-110070.
Tel.: 011-26898616,26898617
www.rsms-arch.com

Checked and found ok for Public Health (Internal) Service only subject to comments in In forwarding letter No.47496 ...DV.28-05-2023

Superintending Engineer (HQ) for Chief Engineer (HQ) HSVP, Panchkula

SANCTIONED TO BE READ WITH THIS OFFICE MEMO NO.: 23966 DATED : 12-07-2023

OWNER'S SEAL & SIGNATURE

ARCHITECT'S SEAL & SIGNATURE

FOR DSP

Manmeet Singh Bali
Architect (B Arch (Hons))
CA/2003/39549

FEB.-2023.	Scale : 1:100	EMD-62
Drawing Title:- 18TH, 26TH , 27TH & TERRACE FLOOR PLAN (TOWER - 2 & 4)		Drawing No:- T2-02