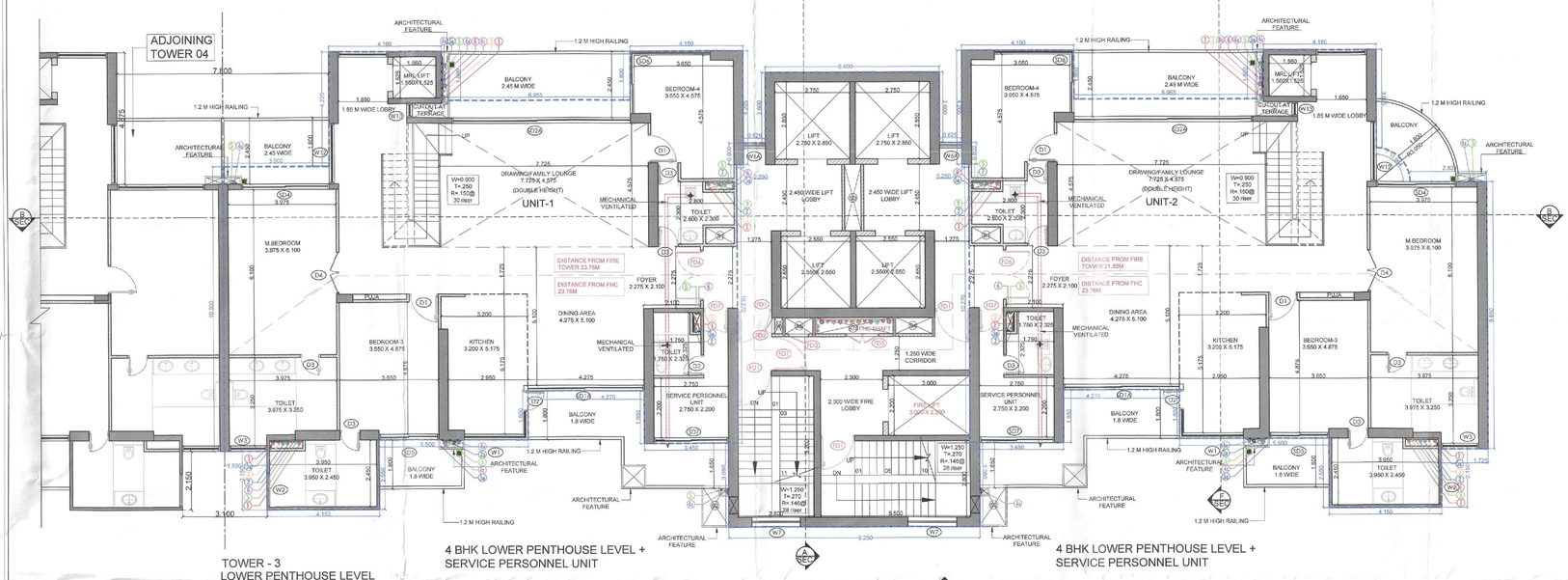
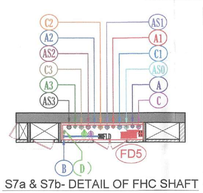


TOWER - 3
LOWER PENTHOUSE LEVEL
(LEVEL -38TH FLOOR (lvl +137.325M)

4 BHK LOWER PENTHOUSE LEVEL + SERVICE PERSONNEL UNIT

4 BHK LOWER PENTHOUSE LEVEL + SERVICE PERSONNEL UNIT

ELEVATION



S7a & S7b- DETAIL OF FHC SHAFT

LEGEND:-

100 MM INTERNAL WALL

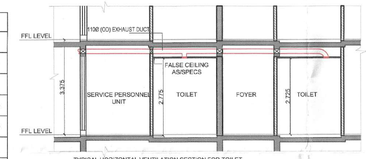
LEGEND PLUMBING PIPE :-	
S.No.	DESCRIPTION
1.	110 OD SOIL PIPE
2.	110 OD WASTE PIPE
2a.	110 OD KITCHEN WASTE PIPE
2b.	110 OD WASHING MACHINE WASTE PIPE
2c.	75 OD GARBAGE ROOM WASTE PIPE
3.	75 OD uPVC VENT PIPE
4.	110 OD uPVC RAIN WATER PIPE
4a.	110 OD uPVC BALCONY DRAIN PIPE
4b.	110 OD uPVC UTILITY BALCONY DRAIN PIPE
4c.	160 OD uPVC RAIN WATER PIPE
4d.	75 OD uPVC DEEPER BALCONY DRAIN PIPE
5.	DOMESTIC WATER SUPPLY DN. TAKE (OWS) ✻
5a.	DOMESTIC BOOSTER PUMP WATER SUPPLY (UPPER 4 FLOOR) ✻
6.	FLUSHING WATER SUPPLY DN. TAKE (FWS) ✻
7.	6.50 DOMESTIC WATER SUPPLY RISER TO TERRACE OHT
8.	5.60 FLUSHING WATER SUPPLY RISER TO TERRACE OHT
9.	16.0 OD DOMESTIC WATER SUPPLY DN. TAKE FOR LOWER FLOOR (OWS)
10.	11.0 OD FLUSHING WATER SUPPLY DN. TAKE FOR LOWER FLOOR (FWS)
✻	4x PER WATER SUPPLY DISTRIBUTION DIAGRAM

DOOR WINDOW SCHEDULE						
TYPE	WIDTH	HEIGHT	SILL LVL	LINTEL LVL		REMARKS
D1	1190	2400	± 00	2400		BEDROOM
D2	750	2700	± 00	2700		KITCHEN
D3	750	2400	± 00	2400		TOILETS
D4	1500	2400	± 00	2400		M. BEDROOM
D5	1250	2400	± 00	2400		M.UMTY.MACHINE ROOM
SD1	3375	2700	± 00	2700		LIVING/DINING
SD1A	4275	2700	± 00	2700		LIVING/DINING
SD1B	7225	2700	± 00	2700		M.BEDROOM
SD1C	6925	2700	± 00	2700		M.BEDROOM
SD2	3875	2700	± 00	2700		LIVING/DINING
SD2A	6575	2700	± 00	2700		LIVING/DINING
SD3	3600	2700	± 00	2700		BEDROOM
SD4	3225	2700	± 00	2700		M.BED ROOM
SD5	2200	2700	± 00	2700		BEDROOM
SD6	2950+ 2300	2700	± 00	2700		BEDROOM
SD7	2750	2700	± 00	2700		SPU
SD8	6560	2600	+100	2700		LOUNGE
W1	1850	2600	+100	2700		BEDROOM CORNER WINDOW
W2	1250	2600	+100	2700		TOILET
W3	1375	2600	+100	2700		TOILET
W4	1800	2600	+100	2700		TOILET
W5	600	2600	+100	2700		LOUNGE
W6	1025	2600	+100	2700		LIFT LOBBY
W6A	825	2600	+100	2700		LIFT LOBBY
W7	1800	2600	+100	2700		LIFT LOBBY
W9	2950+ 2300	2600	+100	2700		LOUNGE
W11	1850	2600	+100	2700		LIFT LOBBY
W12	2225	2600	+100	2700		LIFT LOBBY
W13	525	2600	+100	2700		LIFT LOBBY
W14	6275	2600	+100	2700		FAMILY LOUNGE
FD1	1250	2400	± 00	2400		(TWO HOUR FIRE RATED DOOR)
FD2	600	2300	+100	2400		(TWO HOUR FIRE RATED DOOR)
FD3	750	2300	+100	2400		(TWO HOUR FIRE RATED DOOR)
FD5	1200	2300	+100	2400		(FHC DOOR)
FD6	900	2400	± 00	2400		ENTRANCE (ONE HOUR FIRE RATED DOOR)
FD7	900	2400	± 00	2400		SERVICE PERSONNEL UNIT (ONE HOUR FIRE RATED DOOR)

NOTE : ON REFUGE FLOOR W7 ,FD6 & FD7 SHALL BE TWO HOUR FIRE RATED WINDOW & DOOR

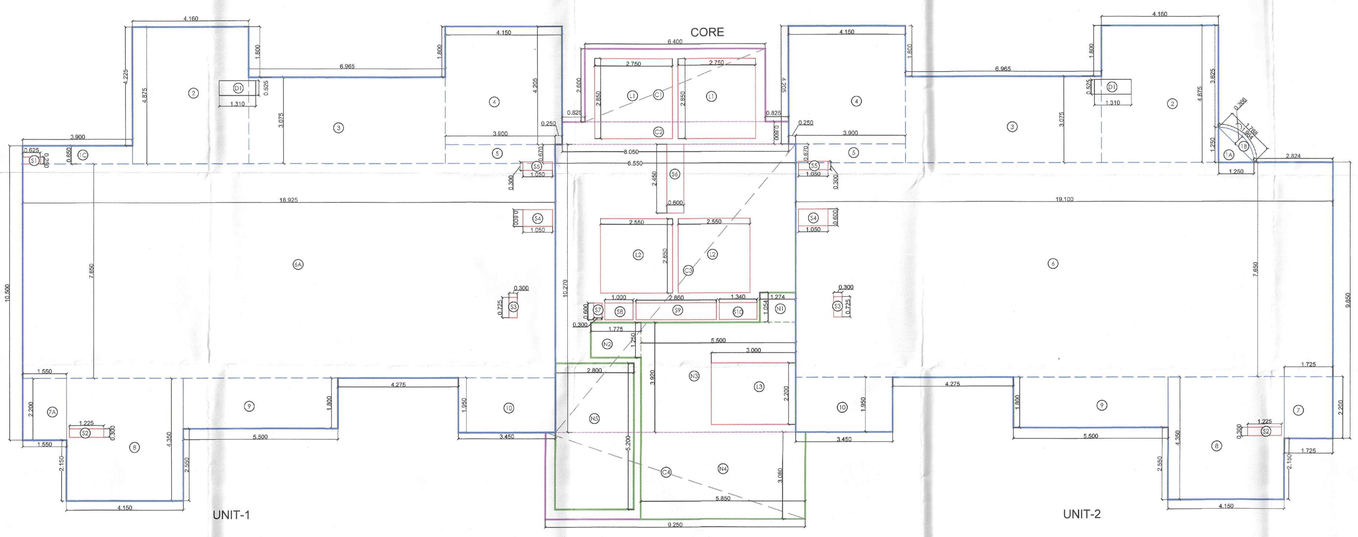
LEGEND FIRE FIGHTING PIPE:-	
S.No.	DESCRIPTION
A	100 0 HYDRANT PIPE FOR ZONE-1
A1	100 0 HYDRANT PIPE FOR ZONE-2
A2	100 0 HYDRANT PIPE FOR ZONE-3
A3	100 0 HYDRANT PIPE FOR ZONE-4
B	100 0 FIRE DRAIN PIPE
C	100 0 SPRINKLER PIPE FOR ZONE-1
C1	100 0 SPRINKLER PIPE FOR ZONE-2
C2	100 0 SPRINKLER PIPE FOR ZONE-3
C3	100 0 SPRINKLER PIPE FOR ZONE-4
D	100 0 FIRE WALKEIP LINE
AS0	100 0 ALTERNATE SPRINKLER PIPE FOR ZONE-1
AS1	100 0 ALTERNATE SPRINKLER PIPE FOR ZONE-2
AS2	100 0 ALTERNATE SPRINKLER PIPE FOR ZONE-3
AS3	100 0 ALTERNATE SPRINKLER PIPE FOR ZONE-4

LEGEND SHAFT:-		
S.No.	DESCRIPTION	SIZE
S1	ELEC. SHAFT	1.05 X 0.60
S2	ST. PRESS SHAFT	0.95 X 1.38
S3	LOBBY PRESS. SHAFT	0.60 X 2.450
S3a	LOBBY PRESS. SHAFT	0.50 X 1.050
S4	FIRE LOBBY PRESS. SHAFT	1.34 X 0.60
S5	LV SHAFT	1 X 0.60
S6	PL. SHAFT	0.30 X 0.60
S7a	FHC SHAFT	2.660 X 0.60
S7b	FHC SHAFT	3.260 X 0.60
S8a	ELEC. SHAFT	0.60 X 1.20
S9a	PL. SHAFT	0.575 X 1.20
S8b	ELEC. SHAFT	0.575 X 1.095
S9b	PL. SHAFT	0.575 X 1.07



TYPICAL HORIZONTAL VENTILATION SECTION FOR TOILET.

TYPICAL HORIZONTAL VENTILATION CALCULATION FOR W.C.								
S.NO	LOCATION	AREA (Sq.ft.)	HEIGHT (Ft.)	VOLUME (Cu.ft.)	ACPH	DESIGN CFM	SELECTED CFM	SELECTED EXHAUST FAN
1	TYPICAL MECHANICAL VENTILATION FOR WC & TOILET							
1.1	Bedroom-4 toilet	60.06	8.94	537	12	107.39	100	1 # 100 CFM INLINE FAN
1.2	SPU Toilet	40.26	8.94	360	12	71.98	100	1 # 100 CFM INLINE FAN



TOWER - 3 LOWER PENTHOUSE AREA DIAGRAM (LEVEL -38TH FLOOR)

TOWER-1,2 &3 FAR AREA AT LOWER PENT HOUSE UNIT 1 PER FLOOR (All Distances are in Meter & Areas in Sqm)				
ADDITIONS (A)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
1C	1	3.900	0.650	2.535
2	1	4.160	4.875	20.280
3	1	6.965	3.075	21.417
4	1	4.150	4.205	17.451
5	1	3.900	0.670	2.613
6A	1	18.925	7.650	144.776
7A	1	1.550	2.200	3.410
8	1	4.150	4.350	18.053
9	1	5.500	1.800	9.900
10	1	3.450	1.950	6.728
TOTAL(A) =				247.162

DEDUCTION (B)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
S1	1	0.625	0.250	0.156
S2	1	1.225	0.300	0.368
S3	1	0.300	0.725	0.218
S4	1	1.050	0.600	0.630
S5	1	1.050	0.300	0.315
D1	1	1.310	0.525	0.688
TOTAL				2.374

UNIT1-FAR AREA CALCULATION = ADDITION(A) - (DEDUCTION (B)				
=	247.162	-	2.374	
		=	244.788	SQMT

FAR AREA AT LOWER PENT HOUSE UNIT 2 PER FLOOR (All Distances are in Meter & Areas in Sqm)				
ADDITIONS (A)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
1A	0.5	1.250	1.250	0.781
1B	0.667	0.366	1.768	0.432
2	1	4.160	4.875	20.280
3	1	6.965	3.075	21.417
4	1	4.150	4.205	17.451
5	1	3.900	0.670	2.613
6	1	19.100	7.650	146.115
7	1	1.725	2.200	3.795
8	1	4.150	4.350	18.053
9	1	5.500	1.800	9.900
10	1	3.450	1.950	6.728
TOTAL(A) =				247.564

DEDUCTION (B)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
D1	1	1.310	0.525	0.688
S2	1	1.225	0.300	0.368
S3	1	0.300	0.725	0.218
S4	1	1.050	0.600	0.630
S5	1	1.050	0.300	0.315
TOTAL				2.219

UNIT -2-FAR AREA CALCULATION = ADDITION(A) - (DEDUCTION (B)				
=	247.564	-	2.219	
		=	245.346	SQMT

CORE FAR AREA AT LOWER PENT HOUSE (All Distances are in Meter & Areas in Sqm)				
ADDITIONS (A)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH
C1	1	6.400	2.600	16.640
C2	1	8.050	0.800	6.440
C3	1	8.550	10.270	87.809
C4	1	9.250	3.080	28.490
TOTAL(A) =				139.379

SERVICE SHAFT (C)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH
L1	2	2.750	2.850	15.675
L2	2	2.550	2.650	13.515
S6	1	0.600	2.450	1.470
S7	1	0.300	0.600	0.180
S8	1	1.000	0.600	0.600
S9	1	2.850	0.600	1.710
S10	1	1.340	0.600	0.804
TOTAL				33.960

NON FAR AREA (STAIRCASE) (D)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH
N1	1	1.274	1.054	1.343
N2	1	1.775	1.250	2.219
N3	1	5.500	3.920	21.560
N4	1	5.850	3.080	18.018
N5	1	2.800	5.200	14.560
TOTAL NON FAR AREA (D)				57.700

NON FAR AREA (DUCTION) (E)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
L3	1	3.000	2.200	6.600
NON FAR AREA (E)				6.600

TOTAL NON FAR AREA CALCULATION (D-E) =	51.100

TOTAL CORE FAR AREA CALCULATION = ADDITION(A) - (SERVICE SHAFT (C)+ NONFAREA AREA (D))				
=	139.379	-	91.660	
		=	47.719	SQMT

TOTAL LOWER PENT HOUSE FLOOR FAR AREA CALCULATION = (TOTAL LOWER PENT HOUSE FLOOR UNIT 1 FAR AREA) +(TOTAL LOWER PENT HOUSE FLOOR UNIT 2 FAR AREA)+(TOTAL LOWER PENT HOUSE FLOOR CORE FAR AREA)				
=	244.788	+	245.346	
+	47.719	=	537.854	SQMT

S.T.P.(HQ) Member Secretary B.P.A.C.
S.T.P.(G) Member B.P.A.C.
C.T.P.(HR) Chairman B.P.A.C.
DTP(HQ)
ATP(HQ)
JD.
P.A.
A.T.P
SANCTIONED TO BE READ WITH THIS OFFICE BEING NO.A- DATED :
JD(HQ)
JDT (HQ) Member BPAC

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. MECHANICAL VENTILATION WITH 100% POWER BACK-UP FOR SERVICE AREAS.

PROJECT:

PROPOSED GROUP HOUSING COLONY MEASURING 5.875 ACRES UNDER TOD POLICY DATED 09.02.2016(LICENSE NO. 50 OF 2019 DATED 07.03.2019) IN SECTOR -49, GURUGRAM BEING DEVELOPED BY ELAN ENCLAVE PRIVATE LIMITED UNDER COLLABORATION WITH V.A. AGRICULTURE PVT LTD

ARCHITECT'S SEAL & SIGNATURE	OWNER'S SEAL & SIGNATURE
GIAN P. MATHUR ARCHITECT B. Arch., M.C.A. I.I.A CA No. 80/5769	For ELAN ENCLAVE PRIVATE LIMITED Authorised Signatory

Checked and found ok for Public Health (Internal) Service only subject to confirmation as in forwarding letter No. 2526734 dt 05/08/25 Executive Engineer (HQ) Public Health Division

JULY-2025.	Scale : 1:75	
Drawing Title:- TOWER - 3 PENTHOUSE LVL-1 LAYOUT (LEVEL -38TH FLOOR)&AREA DETAIL		Drawing No:- A-T3-06