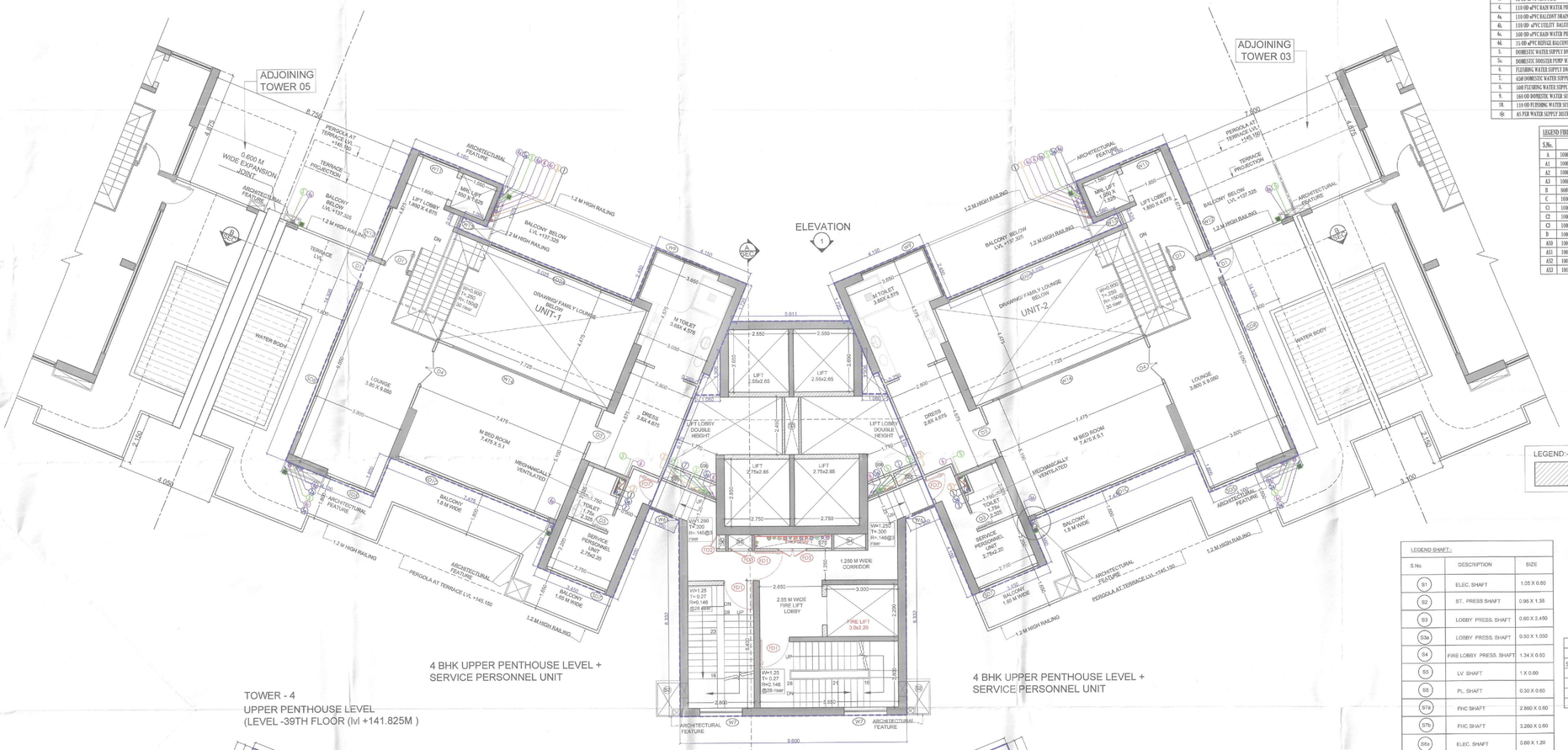
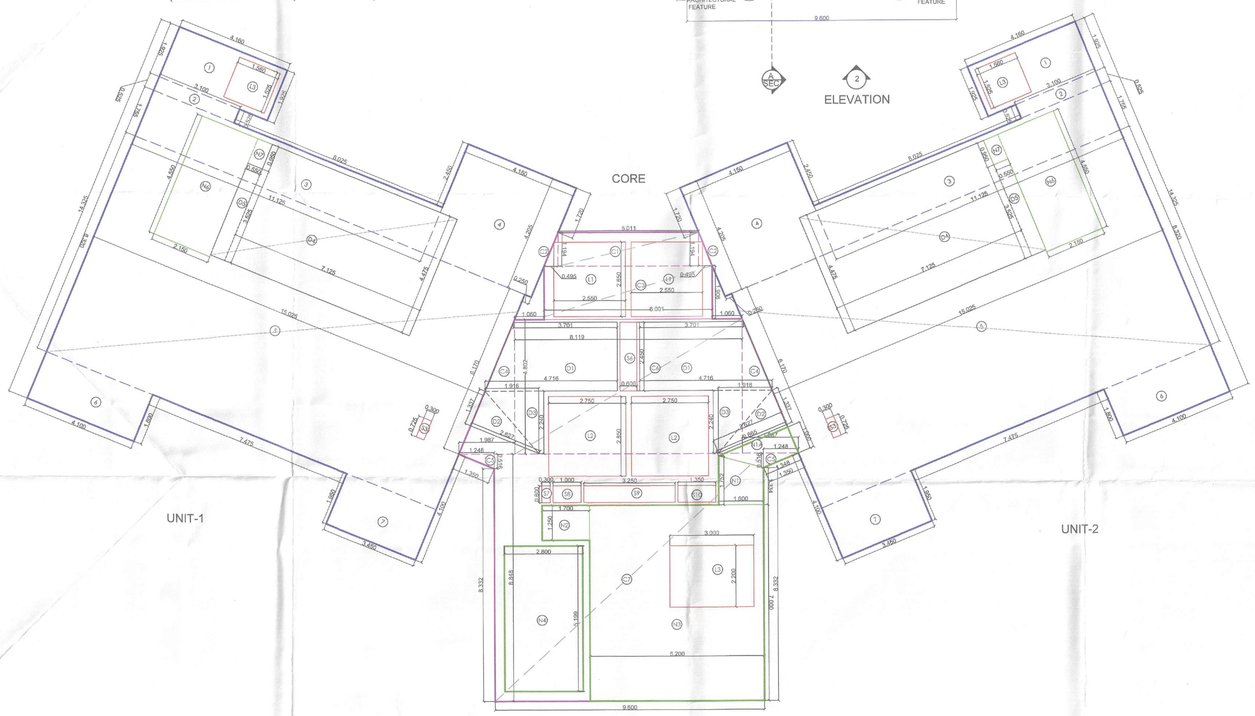


4 BHK UPPER PENTHOUSE LEVEL + SERVICE PERSONNEL UNIT

4 BHK UPPER PENTHOUSE LEVEL + SERVICE PERSONNEL UNIT

TOWER - 4
UPPER PENTHOUSE LEVEL
(LEVEL -39TH FLOOR (lvl +141.825M)



TOWER - 4
UPPER PENTHOUSE AREA DIAGRAM (LEVEL -39TH FLOOR)

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 REFRIGE BALCONY DRAIN PIPE
5.	DOMESTIC WATER SUPPLY DN. TAKE (UPS) ✻
5a.	DOMESTIC BOOSTER PUMP WATER SUPPLY (UPPER 4 FLOOR) ✻
6.	FLUSHING WATER SUPPLY DN. TAKE (OWS) ✻
7.	65Ø DOMESTIC WATER SUPPLY RISER TO TERRACE OHT
8.	50Ø FLUSHING WATER SUPPLY RISER TO TERRACE OHT
9.	16Ø OD DOMESTIC WATER SUPPLY DN. TAKE FOR LOWER FLOOR (OWS)
10.	110 OD FLUSHING WATER SUPPLY DN. TAKE FOR LOWER FLOOR (OWS)
✻	A3 PLB WATER SUPPLY DISTRIBUTION DIAGRAM

LEGEND FIRE FIGHTING PIPE:-	
S.No.	DESCRIPTION
A	100Ø HYDRANT PIPE FOR ZONE-1
A1	100Ø HYDRANT PIPE FOR ZONE-2
A2	100Ø HYDRANT PIPE FOR ZONE-3
A3	100Ø HYDRANT PIPE FOR ZONE-4
B	80Ø FIRE DRAIN PIPE
C	100Ø SPRINKLER PIPE FOR ZONE-1
C1	100Ø SPRINKLER PIPE FOR ZONE-2
C2	100Ø SPRINKLER PIPE FOR ZONE-3
C3	100Ø SPRINKLER PIPE FOR ZONE-4
D	100Ø FIRE MAKEUP LINE
AS0	100Ø ALTERNATE SPRINKLER PIPE FOR ZONE-1
AS1	100Ø ALTERNATE SPRINKLER PIPE FOR ZONE-2
AS2	100Ø ALTERNATE SPRINKLER PIPE FOR ZONE-3
AS3	100Ø ALTERNATE SPRINKLER PIPE FOR ZONE-4

DOOR WINDOW SCHEDULE

TYPE	WIDTH	HEIGHT	SILL LVL	LINTEL LVL	REMARKS
D1	1100	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	MUMTY MACHINE ROOM
SD1	3975	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	3675	2700	± 00	2700	LIVING/DINING
SD2A	6575	7150	± 00	7150	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	6580	2600	+100	2700	LOUNGE
W1	2300+ 1050	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
W5	1025	2600	+100	2700	LIFT LOBBY
W6A	825	2600	+100	2700	LIFT LOBBY
W7	1800	2600	+100	2700	LIFT LOBBY
W8	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	800	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 WT FD6 & FD7 SHALL BE TWO HOUR FIRE RATED WINDOW & DOOR.

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.

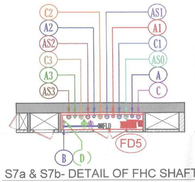
DTP(HQ) — ATP(HQ)

JD. — P.A. — A.T.P

SANCTIONED TO BE READ WITH THIS OFFICE B.PAN NO.: DATED :

JD(HQ)

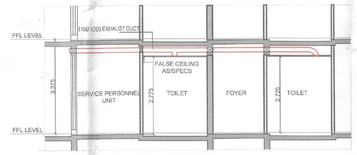
JD(HQ) Member BPAC



S7a & S7b- DETAIL OF FHC SHAFT

LEGEND:-

100 MM INTERNAL WALL



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

LEGEND SHAFT:-

S.No.	DESCRIPTION	SIZE
S1	ELEC. SHAFT	1.05 X 0.60
S2	ST. PRESS SHAFT	0.95 X 1.35
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 0.93
S5	LV SHAFT	1 X 0.60
S6	PL. SHAFT	0.30 X 0.60
S7a	FHC SHAFT	2.860 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

TOWER-4

FAR AREA AT UPPER PENT HOUSE UNIT PER FLOOR
(All Distances are in Meter & Areas in Sqm)

ADDITIONS (A)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = NO.X LENGTH X WIDTH
1	1	4.160	1.925	8.008
2	1	3.100	0.525	1.628
3	1	11.125	1.755	19.524
4	1	4.150	4.205	17.451
5	1	15.025	8.320	125.008
6	1	4.100	1.800	7.380
7	1	3.450	1.950	6.728
TOTAL(A) =				185.726

DEDUCTION (B)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = NO.X LENGTH X WIDTH
L3	1	1.560	1.525	2.379
S3	1	0.300	0.725	0.218
D4	1	7.125	4.475	31.884
D5	1	0.550	3.525	1.939
TOTAL				36.420

NON FAR AREA (C)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = NO.X LENGTH X WIDTH
N6	1	2.150	4.550	9.783
N7	1	0.550	0.950	0.523
TOTAL				10.305

UNIT-FAR AREA CALCULATION = ADDITION(A) - (DEDUCTION (B)-NON FAR AREA (C)

=	185.726	-	36.420	-
10.305		=	139.002	SQMT

TOTAL UPPER PENT HOUSE FLOOR UNIT FAR AREA CALCULATION = UNIT FAR AREA X 2 (2 UNIT PER FLOOR)

=	139.002	X	2.000	
		=	278.003	SQMT

CORE FAR AREA AT UPPER PENT HOUSE
(All Distances are in Meter & Areas in Sqm)

ADDITIONS (A)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = NO.X LENGTH
C1	1	5.011	1.194	5.983
C2	1	1.194	0.495	0.591
C3	1	6.001	1.906	11.436
C4	1	1.967	4.802	9.542
C5	1	1.248	0.516	0.644
C6	1	8.119	4.802	38.987
C7	1	9.600	8.848	84.941
TOTAL(A) =				152.126

SERVICE SHAFT (C)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = NO.X LENGTH
L1	2	2.550	2.650	13.515
L2	2	2.750	2.850	15.675
S6	1	0.600	2.450	1.470
S7	1	0.700	0.600	0.420
S8	1	1.000	0.600	0.600
S9	1	3.250	0.600	1.950
S10	1	1.350	0.600	0.810
D1	2	(3.701+4.716)/2X2.450		20.622
D2	1	1.337	2.627	3.512
D3	1	1.916	2.240	4.292
TOTAL				62.866

NON FAR AREA (STAIRCASE) (D)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = NO.X LENGTH
N1	1	(1.752+1.334)/2X1.6		2.469
N1A	1	(2.665+1.348)/2X1		2.007
N2	1	1.700	1.250	2.125
N3	1	6.200	7.000	43.400
N4	1	2.800	5.199	14.557
TOTAL NON FAR AREA (D)				64.558

NON FAR AREA (EXCTION) (E)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.M T.) = 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) =	57.958

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

=	152.126	-	127.423	
		=	24.703	SQMT

TOTAL UPPER PENT HOUSE FLOOR FAR AREA CALCULATION = (TOTAL UPPER PENT HOUSE UNIT FAR AREA)+(TOTAL UPPER PENT HOUSE CORE FAR AREA)

=	278.003	+	24.703	
		=	302.706	SQMT

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. Issued to Sq. ... in forwarding letter no. 253634 dated 05/11/25

MAY-2025.	Scale : 1:75	
Drawing Title:- TOWER 4 PENTHOUSE LVL-2 LAYOUT (LEVEL -39TH FLOOR)&AREA DETAIL	Sr. Town & Country Planner Executive Engineer (HQ)	Drawing No:- A-T4-07