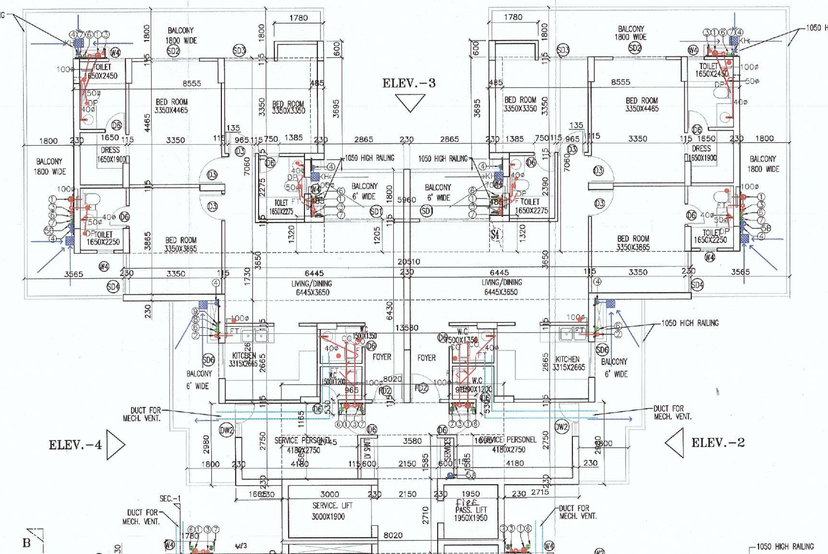
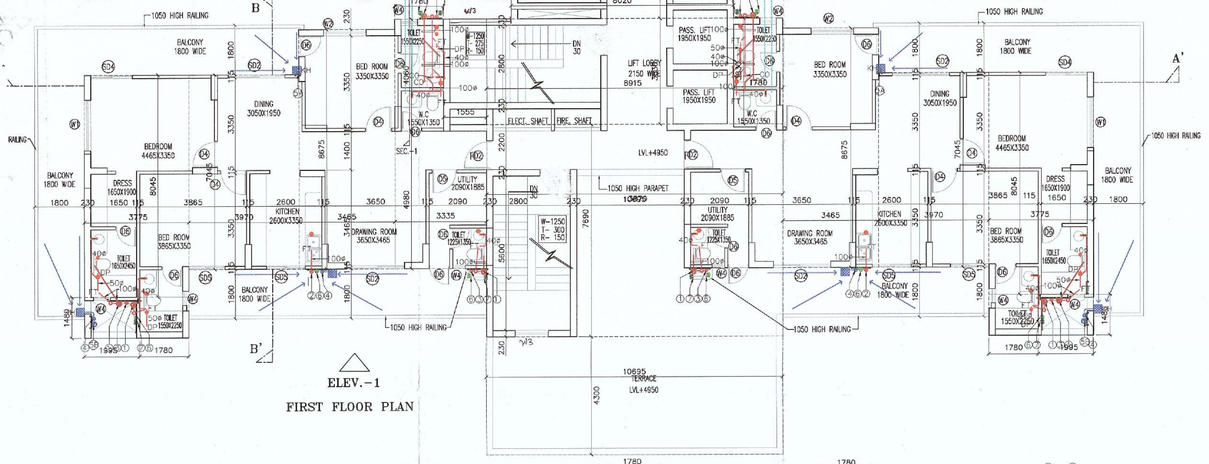
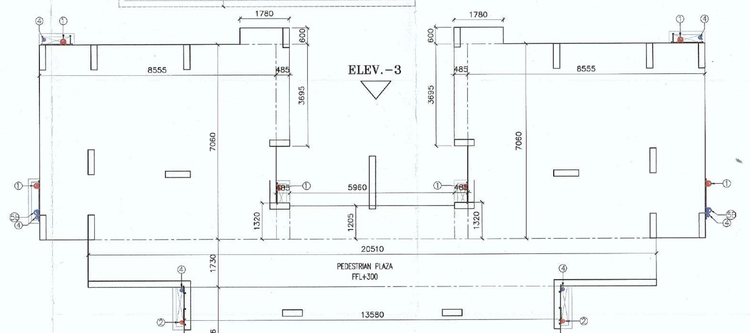
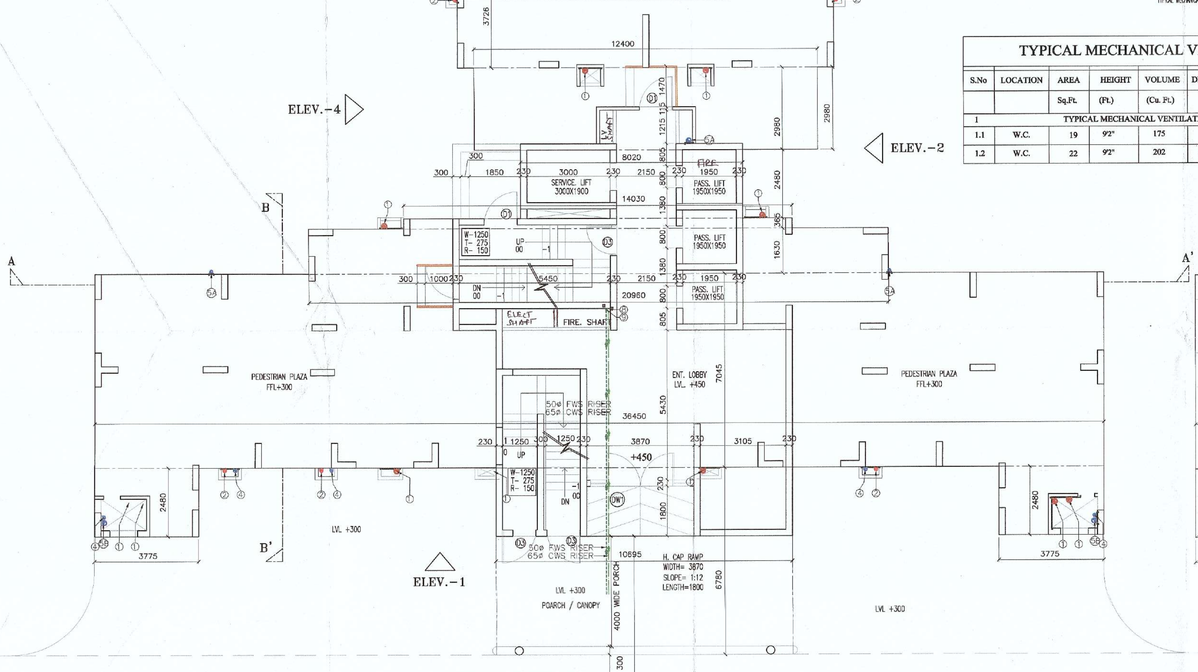
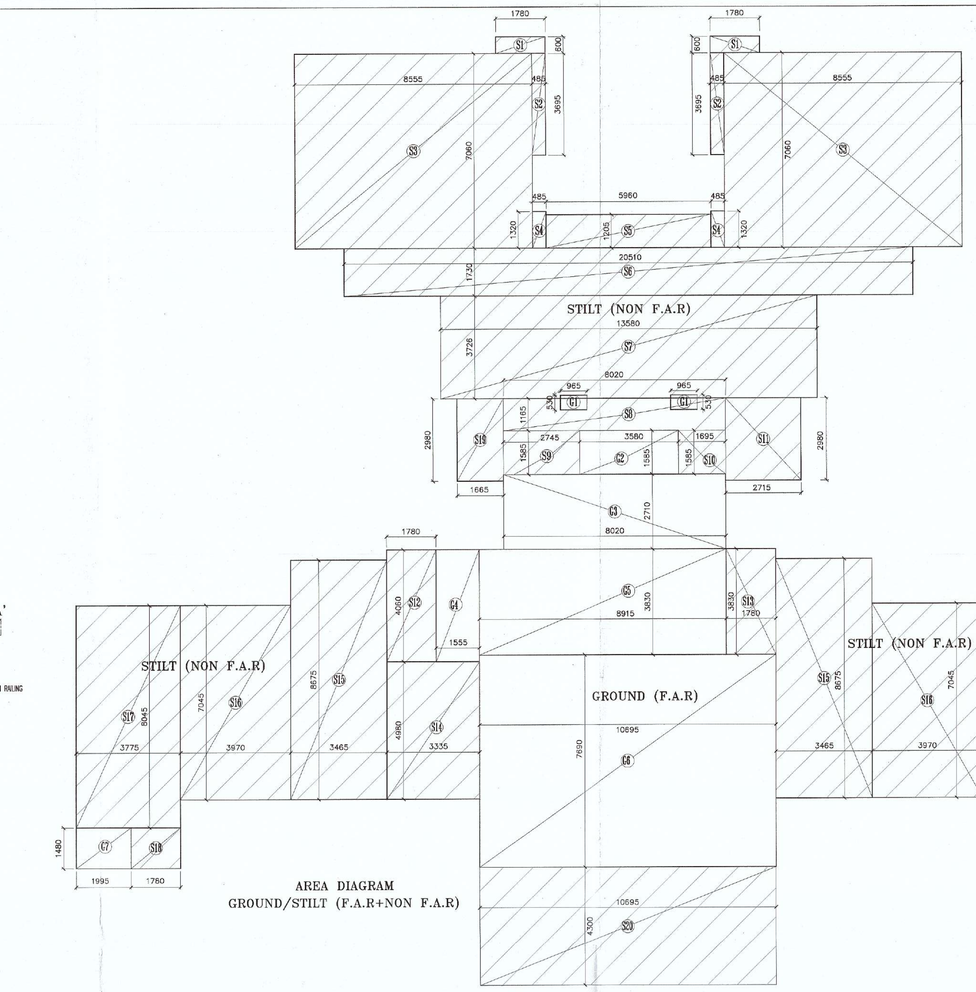




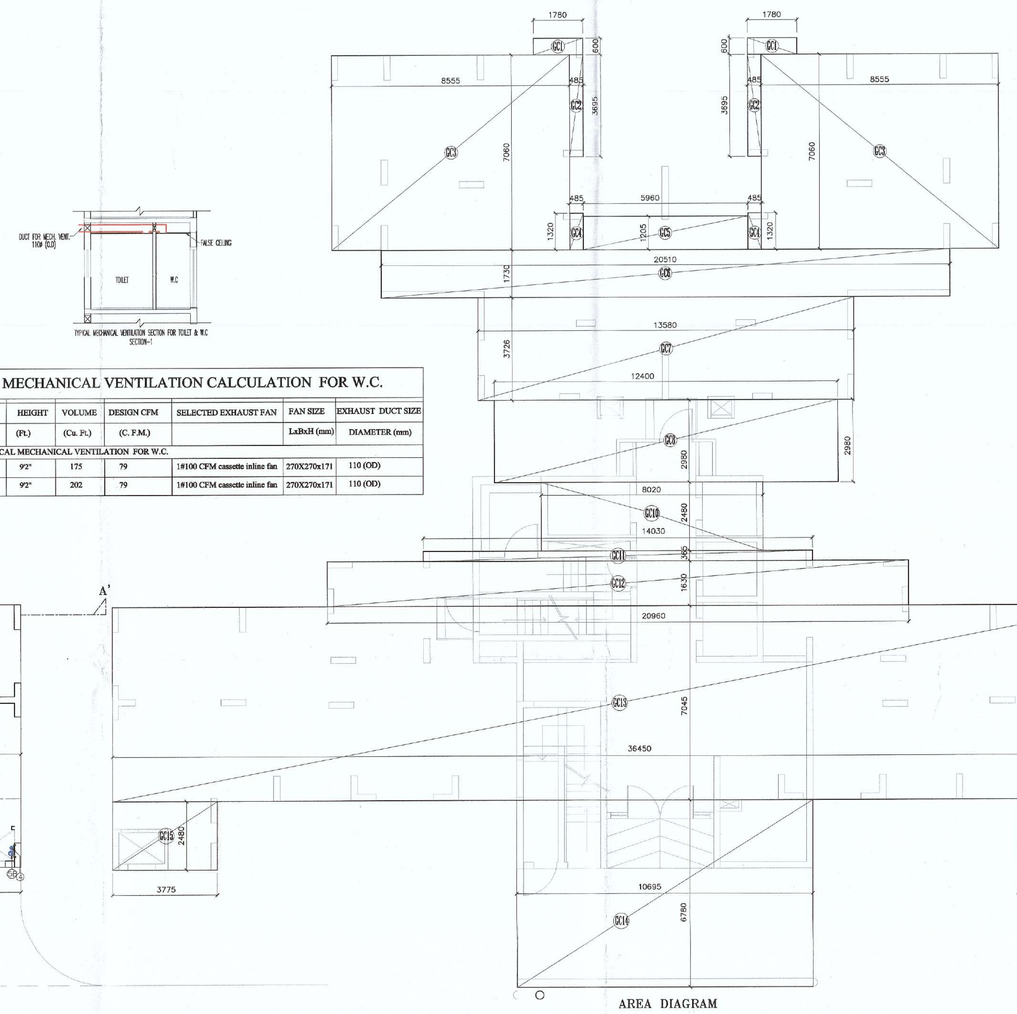




GROUND FLOOR PLAN



AREA DIAGRAM
GROUND/STILT (F.A.R+NON F.A.R)



AREA DIAGRAM
GROUND COVERAGE (NON F.A.R.)

TYPICAL MECHANICAL VENTILATION CALCULATION FOR W.C.

RAIN WATER PIPES DETAILS -TOWER-3,4 & 5

TOWERWISE TERRACE AREA DETAIL AND RAIN WATER PIPE SCHEDULE

TOWER NOS.	NOS. OF STOREY	TOTAL NOS. OF TOWER	TERRACE AREA SQ.M. ONE TOWER	REQUIRED NO. OF PIPES @ 45 SQM. FOR 1000 PIPE ONE TOWER	PROVIDED TOTAL NOS. OF RAIN WATER PIPE (100MM DIA)	SIZE OF RAIN WATER PIPE (MM DIA) ONE TOWER	REQUIRED NO. OF PIPES @ 115 SQM. FOR 1500 PIPE ONE TOWER	PROVIDED TOTAL NOS. OF RAIN WATER PIPE (150MM DIA)	SIZE OF RAIN WATER PIPE (MM DIA) ONE TOWER
TOWER-T3,T4,T5	S+25 & S+26	3	510	3	3	100	4	4	150

NOTES:-

1. ALL PIPE DIAMETERS ARE IN MM.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICES DRAWINGS.
3. WATER INLETS AND WASTE OUTLETS FROM SANITARYWARE SHALL BE ARRANGED TO SUIT REQUIREMENTS OF SELECTED MAKES AND MODELS.
4. SOIL, WASTE & VENT AND RAIN WATER PIPE WORK:

a) SOIL, WASTE & VENT PIPE WORK SHALL BE CARRIED OUT IN UPVC PIPES AND FITTINGS CONFORMING TO IS: 13592 - TYPE - S

b) ALL WASTE PIPE WORK FROM URINALS & WASH BASINS SHALL BE IN, CARRIED OUT IN SMALL BORE UPVC PIPES AND FITTINGS OF 6 kg/Cm² PRESSURE RATING AND CONFORMING TO IS: 4985 OR AS SPECIFIED IN BILL OF QUANTITIES.

c) RAIN WATER PIPE WORK SHALL BE CARRIED OUT IN UPVC PIPES AND FITTINGS CONFORMING TO IS: 13592 - TYPE - A AND IS: 4985 AS SPECIFIED IN BILL OF QUANTITIES.

d) FLOOR TRAPS:- ALL FLOOR TRAPS SHALL BE FORMED OF 110X110 MM. DIA 'P' TRAP WITH 110 MM. DIA UPVC PIPE EXTENSION PIECE FOR SIDE INLETS, AS PER STANDARD DETAIL.

e) DRAIN POINTS:- DRAIN POINT SHALL BE FORMED WITH 110X63 MM. UPVC RECEPTACLE (ALTERNATIVELY 110X63 MM SHALLOW NAHANI TRAP NOT MORE THAN 3.5 INCH HIGH) AND PROVIDED WITH 125 MM DIA C.P. GRATING WITH FRAME.

f) ALL HORIZONTAL SOIL AND WASTE PIPES SHALL BE LAID TO A SLOPE NOT FLATTER THAN 1:50 AND NOT STEEPER THAN 1:10 UNLESS SPECIFIED.

5. WATER SUPPLY PIPE WORK:-

a) ALL COLD WATER SUPPLY PIPE WORK RUNNING IN TOILETS ARE CPVC PIPES AND FITTING (SDR-11 UP TO 2 INCH DIA.) AND WITH IN SHAFT ARE uPVC SCH - 40 PIPES AND FITTINGS OR AS SPECIFIED IN BILL OF QUANTITIES.

b) ALL COLD WATER SUPPLY PIPE WORK RUNNING ON TERRACE SHALL BE CARRIED OUT IN GI (MEDIUM CLASS) PIPES AND FITTING CONFORMING TO RELEVANT IS CODE.

c) ALL HOT PIPE SUPPLY PIPES WORK RUNNING ON TERRACE, IN SHAFT AND WITH IN TOILETS SHALL BE CARRIED OUT IN CPVC PIPES AND FITTINGS (SDR-11 UP TO 2 INCH DIA).

d) NO PIPE WORK SHALL BE CONCEALED IN WALLS OR BURIED IN FLOORS WITHOUT BEING SUBJECTED TO WATER TESTING AS PER THE DIRECTION OF THE SITE ENGINEER.

e) INSULATION:- ALL HOT WATER SUPPLY PIPES CONCEALED IN WALLS AND SUSPENDED WITH CEILING SHOULD BE INSULATED WITH 9 MM THICK PREFORMED PIPES SLEEVE OF EXTENDED SYNTHETIC RUBBER POLYMERIC COMPOUND.

f) ALL WATER SUPPLY CONNECTION TO EACH TOILET SHALL BE TAKEN ABOVE FALSE CEILING LEVEL AND PROVIDED WITH A BALL VALVE DROPS FOR FIXTURES/FAUCETS SHALL BE TAKEN IN VERTICAL CHASES.

g) PIPES ON TERRACE SHALL BE SUPPORTED ON CONCRETE/BRICK PEDESTALS AT EVERY CHANGE OF DIRECTION AND AT AN INTERVAL OF 1500 MM. ON STRAIGHT RUNS.

SCHEDULE OF PIPES

TAG NO.	DESCRIPTION	DIA (mm)
1	SOIL,WASTE & VENT PIPE	150
2	WASTE & VENT PIPE	100
3	VENT PIPE	100
4	RAIN WATER PIPE FOR BALCONY	100
5	RAIN WATER PIPE FOR TERRACE	A - B 100/150
6	CWS DROP FROM OHT	*
7	FWS DROP FROM OHT	*
8	COLD WATER RISER TO OHT	*
9	FLUSHING WATER RISER TO OHT	*

* AS PER WATER SUPPLY DISTRIBUTION DIAGRAM.

LEGEND

DESCRIPTION	LEGEND
SOIL, WASTE AND VENT PIPE	①-①
WASTE AND VENT PIPE	②-②
VENT PIPE	③-③
RAIN WATER PIPE FOR BALCONY	④-④
RAIN WATER PIPE FOR TERRACE	⑤-⑤
COLD WATER SUPPLY DROP FROM O.H.T.	⑥-⑥
FLUSHING WATER SUPPLY DROP FROM O.H.T.	⑦-⑦
COLD WATER SUPPLY RISER TO O.H.T.	⑧-⑧
FLUSHING WATER SUPPLY RISER TO O.H.T.	⑨-⑨
FLOOR TRAP	FT
DRAIN POINT	DP
KI-HURRA (300X300MM)	KH
SOIL PIPE	
WASTE PIPE	
COLD WATER SUPPLY	CWS
HOT WATER SUPPLY	HWS
FLUSHING WATER SUPPLY	FWS
ISOLATING VALVE	
MANHOLE (900X600 MM)	MH
RAIN WATER COLLECTION CHAMBER	RWCC

TOWER- T4

STILT AREA CALCULATION (NON F.A.R.)

S.NO.	No.		LENGTH		WIDTH		REMARK
S1	2	x	1.780	x	0.600	=	2.136
S2	2	x	0.485	x	3.695	=	3.584
S3	2	x	8.555	x	7.060	=	120.797
S4	2	x	0.485	x	1.320	=	1.280
S5	1	x	5.960	x	1.205	=	7.182
S6	1	x	20.510	x	1.730	=	35.482
S7	1	x	13.580	x	3.726	=	50.599
S8	1	x	8.320	x	1.165	=	9.693
S9	1	x	2.745	x	1.585	=	4.351
S10	1	x	1.695	x	1.585	=	2.687
S11	1	x	2.715	x	2.980	=	8.091
S12	1	x	1.780	x	4.060	=	7.227
S13	1	x	1.780	x	3.830	=	6.817
S14	1	x	3.335	x	4.980	=	16.608
S15	2	x	3.465	x	8.675	=	60.118
S16	2	x	3.970	x	7.045	=	55.937
S17	2	x	3.775	x	8.045	=	60.740
S18	2	x	1.780	x	1.480	=	5.269
S19	1	x	1.665	x	2.980	=	4.962
S20	1	x	10.695	x	4.300	=	45.989
TOTAL						=	509.548

DEDUCATION AREAS

G1	2	x	0.965	x	0.530	=	1.023
TOTAL						=	1.023

NET STILT FLOOR AREA

			= 509.548	-	1.023	=	508.525

TOWER- T4

GROUND FLOOR AREA CALCULATION (F.A.R.)

S.NO.	No.		LENGTH		WIDTH		REMARK
G1	2	x	0.965	x	0.530	=	1.023
G2	1	x	3.580	x	1.585	=	5.674
G3	1	x	8.020	x	2.710	=	21.734
G4	1	x	1.555	x	4.060	=	6.313
G5	1	x	8.915	x	3.830	=	34.144
G6	1	x	10.695	x	7.690	=	82.245
G7	2	x	1.995	x	1.480	=	5.906
TOTAL						=	157.039

SCHEDULE OF OPENING

TYPE	SIZE	CILL	LINTEL	
DW	4200x4000	–	4000	
DW1	3600x4000	–	4000	
DW2	1250x2700	–	2700	
SD1	2500x2625	75	2700	
SD2	2000x2625	75	2700	
SD3	1800x2625	75	2700	
SD4	1500x2625	75	2700	
SD5	1400x2625	75	2700	
SD6	1200x2625	75	2700	
D1	1200x2100	–	2100	
D2	1100x2100	–	2100	
D3	1000x2100	–	2100	
D4	950x2100	–	2100	
D5	900x2100	–	2100	
D6	750x2100	–	2100	
W1	1800x1500	1200	2700	
W2	1500x1500	1200	2700	
W3	1200x1500	1200	2700	LOUVERED WINDOW
W4	600x1200	1200	2400	
DP1	700x1175	1250	2700	
CP2	500x1175	1250	2700	
FD1	1100x2340	–	2340	1 HR. FIRE RATED DOOR

TOWER- T4

GROUND COVERAGE AREA CALCULATION

S.NO.	No.		LENGTH		WIDTH		REMARK
GC1	2	x	1.780	x	0.600	=	2.136
GC2	2	x	0.485	x	3.695	=	3.584
GC3	2	x	8.555	x	7.060	=	120.797
GC4	2	x	0.485	x	1.320	=	1.280
GC5	1	x	5.960	x	1.205	=	7.182
GC6	1	x	20.510	x	1.730	=	35.482
GC7	1	x	13.580	x	3.726	=	50.599
GC8	1	x	12.400	x	2.980	=	36.952
GC10	1	x	8.020	x	2.480	=	19.890
GC11	1	x	14.030	x	0.365	=	5.121
GC12	1	x	20.960	x	1.630	=	34.165
GC13	1	x	36.450	x	7.045	=	256.790
GC14	1	x	10.695	x	6.780	=	72.512
GC15	2	x	3.775	x	2.480	=	18.724
TOTAL						=	665.214

Checked and found ok for Public Health (Internal) Sewer only subject to comments in in forwarding letter no. 33817 dt. 13/02/2024

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

S.T.P. (HQ) Member Secretary BPAC

S.T.P. (HQ) Member BPAC

C.T.P. (HQ) Member BPAC

DTP (HQ)

Consultant Architect ATP(HQ)

PA

A.T.P.

SANCTIONED
TO BE READ WITH THIS OFFICE MEMO NO.:
DATED:

DDTP (HQ) Member BPAC

ARCHITECT,S SIGN
BHUPENDERA KUMAR ARCHITECT CA/2004/33978

(Dinesh Kumar) PA(HQ)

CLIENT'S SIGN
For ADORE PROPMART LLP
Authorized Signatory

PROJECT
APPROVAL OF BUILDING PLANS OF GROUP HOUSING COLONY AN AREA MEASURING 9.2453 ACRES (LICENSE NO. 264 OF 2023 DATED 19-12-2023) IN SECTOR-77, GURUGRAM BEING DEVELOPED BY ADORE PROPMART LLP.

BUILDING NO.
TOWER- T4

SHEET TITLE
PLANS & AREA CALCULATION

DRAWN S.K. | SCALE 1:100 | JOB NO | CHECKED B.K. | DATE | DWG. NO GH-SD- 13

ARCHITECT
SAHA & ASSOCIATES
ARCHITECTS,PLANNERS & INT. DESIGNERS
D-22, PAMPOSH ENCLAVE,(L.G.F.)
NEW DELHI-110048
TEL. 26285932, 26461121, FAX. 011 91 26426755
email:- bhupaha@gmail.com

OVER HEAD TANK DETAILS -TOWER-3,4 & 5

TOWERWISE WATER REQUIREMENT AND SCHEDULE OF OVER HEAD WATER STORAGE TANKS (DOMESTIC + FLUSHING)

TOWER NOS.	NOS. OF STOREY	TOTAL NOS OF TOWER	TYPE OF D.U. ON TYPICAL FLOOR	TOTAL NOS. OF D.U. IN ONE TOWER	TOTAL NOS. OF D.U. IN TOWER	POPULATION @ 5 person/DU, 2Person/Ser & 3 Persons/DU(D/W/S)	TOTAL OF POPULATION @	TOTAL WATER REQUIREMENT @ 172.5 LPCD (LTR)	TOTAL WATER REQUIREMENT/ TOWER (LTR)	TOTAL HALF DAY OVER HEAD WATER STORAGE	DOMESTIC OVER HEAD WATER STORAGE @65% OF TOTAL OHT (LTR)	OHT FEEDING PIPE (DOMESTIC) (MM)	FLUSHING OVER HEAD WATER STORAGE @ 35% OF TOTAL OHT (LTR)	OHT FEEDING PIPE (FLUSHING) (MM)	STATIC OVER HEAD STORAGE FOR FIRE FIGHTING
BLOCK-T3	S+26	1	3BHK + SERVANT+UTILITY	104 SO SER. UNIT	104	(104X5) + (52X2) = 634	624	107640	107640	53820	34983 SAY 35 KL	65	18837 SAY 19KL	50	10KL
BLOCK-T4	S+26	1	3BHK+UTILITY	104	104	(104X5) = 520	520	89700	89700	44850	29153 SAY 29 KL	50	15698 SAY 16KL	40	10KL
BLOCK-T5	S+25	1	3BHK+UTILITY	100	100	(100X5) = 500	500	86250	86250	43125	28031 SAY 28 KL	50	15094 SAY 15KL	40	10KL