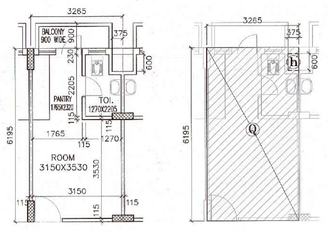
EWS					
	GR.COV.	UNIT F.A.R.	BALCONY/ NON F.A.R.	STAIR NON F.A.R.	D.UNIT
	SQ.M.	SQ.M.	SQ.M.	SQ.M.	
GROUND FL.	416.661	416.661	39.140	15.140	16
1ST FL.		375.633	39.140	30.280	16
2nd FL.		375.633	39.140	30.280	16
3rd FL.		375.633	39.140	30.280	16
4th FL.		375.633	39.140	30.280	16
5th FL.		375.633	39.140	30.280	16
TOTAL		2294.828	234.841	166.539	96
MUMTY		41.441			
O.H.W.T.		45.464			

TOTAL BUILT UP AREA (F.A.R.+NON F.A.R.)		
TOWER (F.A.R.)	=	2.294.828 SQ.M.
STAIR (NON F.A.R.)	=	166.539 SQ.M.
BALCONY (NON F.A.R.)	=	234.841 SQ.M.
MUMTY (NON F.A.R.)	=	41.441 SQ.M.
O.H.W.T. (NON F.A.R.)	=	45.464 SQ.M.
TOTAL	=	2,783.113 SQ.M.

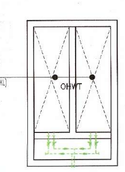


TYPICAL UNIT PLAN

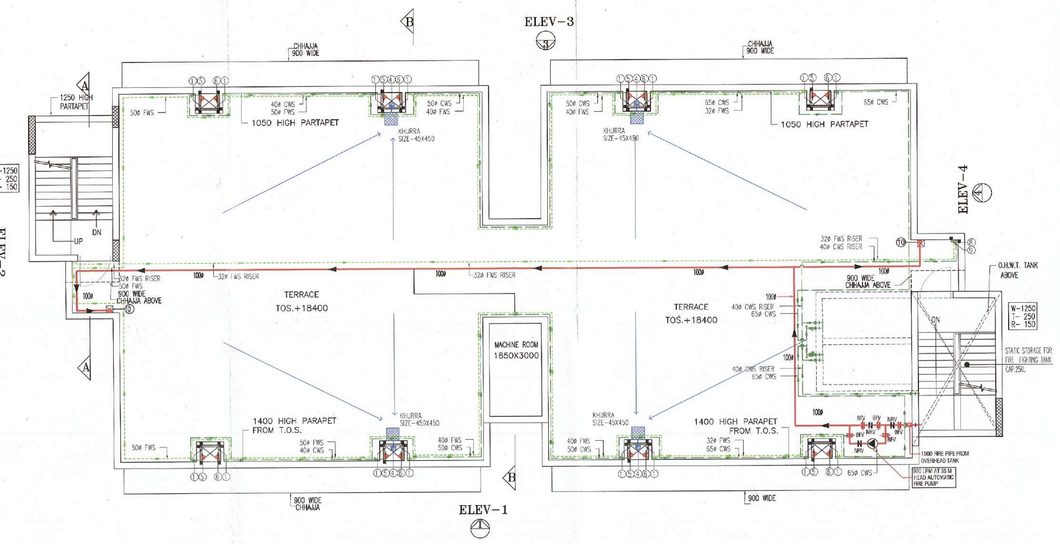
TYPICAL UNIT AREA DIAGRAM

E.W.S. UNIT AREA							
S.NO.	No.		LENGTH	WIDTH		REMARK
Q	1	x	3.265	x 6.500	=	21.223
TOTAL					=	21.223
DEDUCATION AREAS (SHAFTS)						
h	1	x	0.375	x 0.600	=	0.225
TOTAL					=	0.225
NET AREA	= 21.223		-	0.225 =		20.998

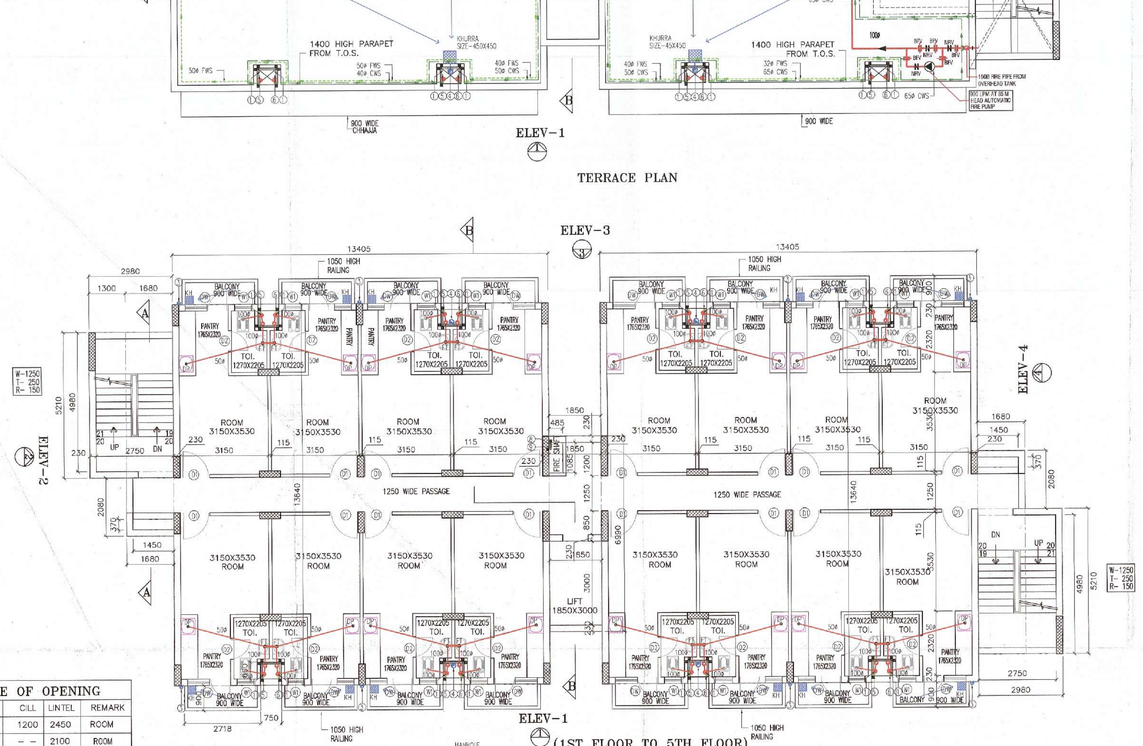
(say - 226.02 sq ft)



OHWT LEVEL PLAN

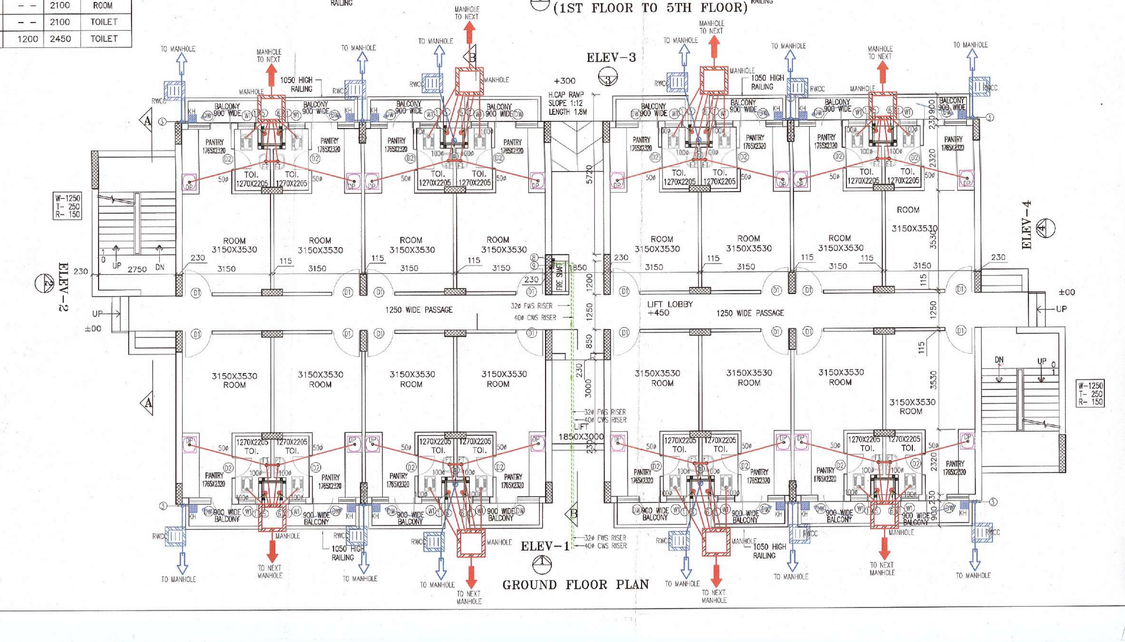


TERRACE PLAN

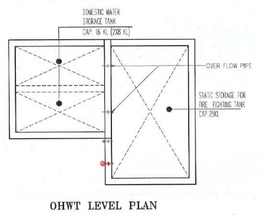


(1ST FLOOR TO 5TH FLOOR)

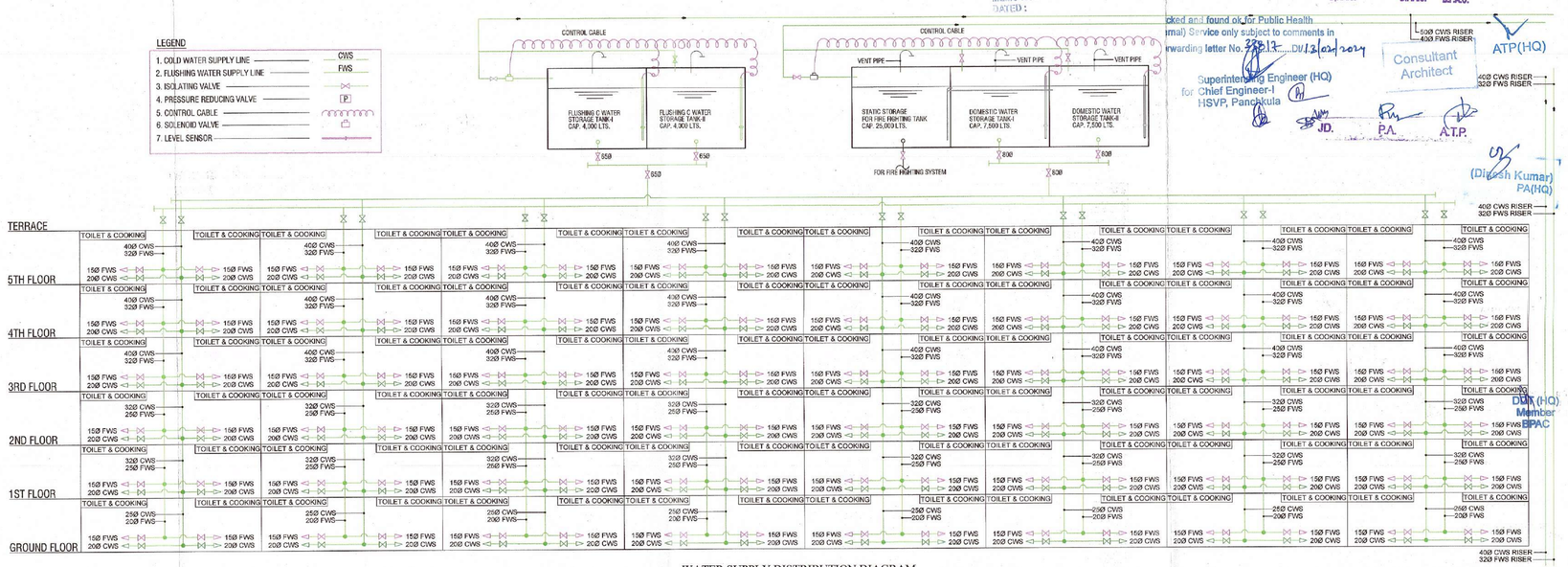
SCHEDULE OF OPENING				
TYPE	SIZE	CILL	LINTEL	REMARK
DW	1535X2450	1200	2450	ROOM
D1	1000X2100	--	2100	ROOM
D2	750X2100	--	2100	TOILET
W1	600X1250	1200	2450	TOILET



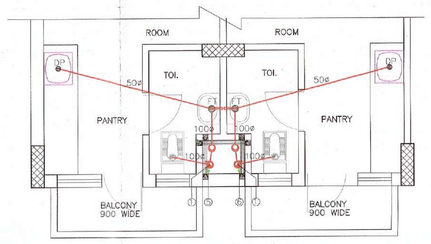
GROUND FLOOR PLAN



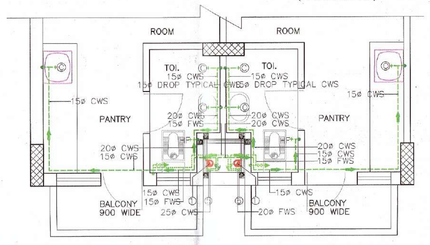
OHWT LEVEL PLAN



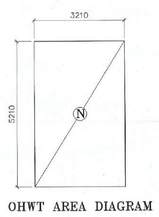
WATER SUPPLY DISTRIBUTION DIAGRAM
(GROUND +5)



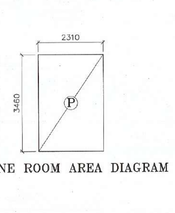
TOILET DETAIL-DRAINAGE SYSTEM



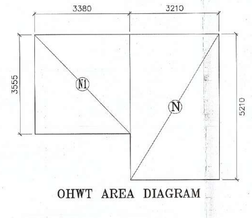
TOILET DETAIL-WATER SUPPLY SYSTEM



OHWT AREA DIAGRAM



MACHINE ROOM AREA DIAGRAM



OHWT AREA DIAGRAM

MUMTY & MACH. ROOM AREA CALCULATION (NON F.A.R.						
S.NO.	No.		LENGTH	WIDTH		REMARK
N	2	x	3.210	x 5.210	=	33.448
P	1	x	2.310	x 3.460	=	7.993
TOTAL					=	41.441

O.H.W.T. AREA CALCULATION (NON F.A.R.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
N	2	x	3.210	x 5.210	=	33.448
N1	1	x	3.380	x 3.555	=	12.016
TOTAL					=	45.464

SCHEDULE OF PIPES		
PIPE NO.	DESCRIPTION	DIA (mm)
1	SOIL,WASTE & VENT PIPE	100
2	WASTE & VENT PIPE	100
3	RAIN WATER PIPE FOR BALCONY	
4	RAIN WATER PIPE FOR TERRACE	
5	CWS DROP FROM OHT	*
6	FWS DROP FROM OHT	*
7	COLD WATER RISER TO OHT	*
8	FLUSHING WATER RISERN TO OHT	*
9	DOWN COMER FOR FIRE HYDRANTS SYSTEM	100

* 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
KHURRA (300X300MM)	KH
SOIL PIPE	
WASTE PIPE	
COLD WATER SUPPLY	CWS
HOT WATER SUPPLY	HWS
FLUSHING WATER SUPPLY	FWS
ISOLATING VALVE	
MANHOLE (600X800 MM)	MH
RAIN WATER COLLECTION CHAMBER	RWCC

NOTES:-

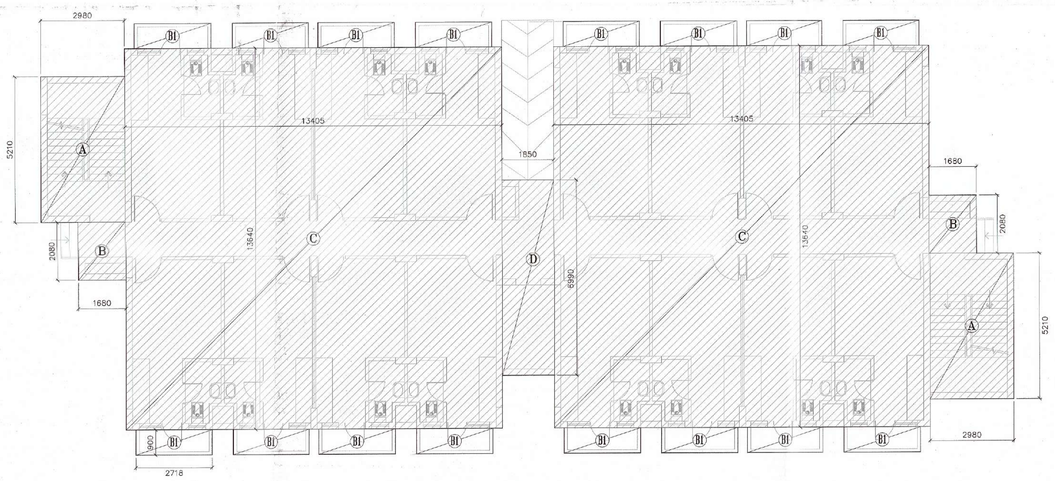
1. ALL PIPE DIAMETERS ARE IN MM.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND OTHER SERVICES DRAWINGS.
3. WATER INLETS AND WASTE OUTLETS FROM SANITARYWARE SHALL BE ARRANGED TO SUIT REQUIREMENTS OF SELECTED MAKES AND MODELS.
4. SOIL,WASTE & VENT AND RAIN WATER PIPE WORK:
   a) SOIL, WASTE & VENT PIPE WORK SHALL BE CARRIED OUT IN UPVC PIPES AND FITTINGS CONFORMING TO IS: 13592 - TYPE - B
   b) ALL WASTE PIPE WORK FROM URINALS & WASH BASINS SHALL BE IN CARRIED OUT IN SMALL BORE UPVC PIPES AND FITTINGS OF 6 kg/cm^2 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 FITTINGS 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.

TYPICAL FLOOR AREA DIAGRAM
(GROUND FLOOR TO 5TH FLOOR)

TYPICAL FL AREA CALCULATION (1st TO 5TH FL.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
A	2	x	2.980	x 5.210	=	31.052
B	2	x	1.680	x 2.080	=	6.989
C	2	x	13.405	x 13.640	=	365.688
D	1	x	1.850	x 6.990	=	12.932
TOTAL					=	416.660
DEDUCATION AREAS (SHAFTS)						
a	8	x	0.750	x 0.600	=	3.600
b	1	x	1.850	x 3.000	=	5.550
c	1	x	0.485	x 1.085	=	0.526
d	2	x	1.300	x 5.210	=	13.546
e	2	x	1.680	x 4.980	=	16.733
f	2	x	1.450	x 0.370	=	1.073
TOTAL					=	41.028
NET AREA	= 416.660		-	41.028	=	375.633

BALCONY AREA CAL. (TYP FL.)(1st TO 5th) (NON F.A.R.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
B1	16	x	2.718	x 0.900	=	39.139
TOTAL					=	39.140

STAIR AREA CALCULATION (1st TO 5th FL.)(NON F.A.R.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
d	2	x	1.300	x 5.210	=	13.546
e	2	x	1.680	x 4.980	=	16.733
TOTAL					=	30.280



GROUND FLOOR AREA DIAGRAM

AREA CALCULATION (GROUND FL.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
A	2	x	2.980	x 5.210	=	31.052
B	2	x	1.680	x 2.080	=	6.989
C	2	x	13.405	x 13.640	=	365.688
D	1	x	1.850	x 6.990	=	12.932
TOTAL					=	416.661

BALCONY AREA CALCULATION (GR FL.) (NON F.A.R.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
B1	16	x	2.718	x 0.900	=	39.139
TOTAL					=	39.140

STAIR AREA CALCULATION (GROUND FL.)(NON F.A.R.)						
S.NO.	No.		LENGTH	WIDTH		REMARK
d	1	x	1.300	x 5.210	=	6.773
e	1	x	1.680	x 4.980	=	8.366
TOTAL					=	15.140

RAIN WATER PIPES DETAILS -TOWER-EWS

TOWERWISE TERRACE AREA DETAIL AND RAIN WATER PIPE SCHEDULE

TOWER NOS.	NOS. OF STOREY	TOTAL NOS. OF TOWER	TERRACE AREA SQ.M. EWS	REQUIRED NO. OF PIPES @ 115 SQM. FOR 150Ø PIPE EWS	PROVIDED TOTAL NOS. OF RAIN WATER PIPE (150MM DIA)	SIZE OF RAIN WATER PIPE (MM DIA) ONE TOWER
BLOCK-EWS	G+5	1	400	3.48	4	150

OVER HEAD TANK DETAILS -TOWER-EWS

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(EWS)	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-EWS	G+5	1	EWS	96	96	(96X3) = 288	288	49680	49680	24840	16146 SAY 16 KL	40	8694 SAY 9KL	32	25KL

ARCHITECT,S SIGN

BHUPENDERA KUMAR
ARCHITECT
CA/2004/73978

CLIENT'S SIGN

For ADORE PROPMART LLP
Authorised 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.

E.W.S.

SHEET TITLE

PLANS & AREA CALCULATION

DEALT S.K.	SCALE 1 : 100	JOB NO
CHECKED B.K.	DATE	DRG. NO GH-SD- 21

ARCHITECT

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

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ATP(HQ)

Consultant Architect

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

JD. P.A. ATP.

(Dinesh Kumar) PA(HQ)

DTP (HQ) Member B.P.A.C.