

SCHEDULE OF OPENING

TYPE	SIZE	CLL	LINTEL	REMARK
DW	1402x2450	-	2450	BED ROOM
D1	1000x2100	-	2100	ROOM
D2	750x2100	-	2100	TOILET
WI	600x1000	1100	2100	TOILET

- NOTES**
1. ALL PIPE DIAMETERS ARE IN MM.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
 3. MANHOLES & RAIN WATER COLLECTION CHAMBER SHALL BE CONSTRUCTED AS PER STANDARD DETAILS.
 4. SOIL WASTE & VENT PIPE WORK - SOIL WASTE & VENT PIPE WORK SHALL BE CARRIED OUT IN UPVC PIPES AND FITTINGS CONFORMING TO RELEVANT IS CODE UNLESS SPECIFIED OTHERWISE.
 5. ALL WASTE PIPE WORK FROM WASH BASIN, DRAIN POINTS, URINALS ETC. SHALL BE IN POLY PROPYLENE HIGH TEMPERATURE PIPES AND FITTINGS HAVING PUSH FIT JOINTS (OF HUNTER, UK MAKE).
 6. 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 OTHERWISE.
 7. WATER SUPPLY PIPE WORK - WATER SUPPLY PIPE WORK SHALL BE CARRIED OUT IN GALVANIZED IRON PIPES CONFORMING TO IS : 1239 (PART-I)-1975. ALL PIPES FITTINGS SHALL BE MALLEABLE CAST IRON AND CONFORMING TO IS : 1879 (PART-1 TO 10)-1975 UNLESS SPECIFIED OTHERWISE.
 8. NO PIPE WORK SHALL BE CONCEALED IN WALLS OR BURIED IN FLOORS WITHOUT BEING SUBJECT TO WATER TESTING AS PER THE DIRECTION OF THE SITE ENGINEER.
 9. ALL WATER SUPPLY PIPES IN TOILETS SHALL RUN AT HIGH LEVEL (ABOVE FALSE CEILING) UNLESS SPECIFIED OTHERWISE. NO WATER SUPPLY SHALL BE BURIED IN THE TOILET FLOOR.
 10. WATER INLETS AND WASTE OUTLETS FROM SANITARYWARE SHALL BE ARRANGED TO SUIT REQUIREMENTS OF SELECTED MAKES AND MODELS.
 11. INSULATION - ALL HOT WATER SUPPLY PIPES CONCEALED IN WALLS OR BURIED IN FLOORS SHOULD BE INSULATED WITH 9 MM. THICK PERFORMED PIPES SLEEVES OF EXTENDED SYNTHETIC RUBBER POLYMERIC COMPOUND (VIDOFLEX BRAND).
 12. ALL STONE WARE PIPES SHALL BE ENCASED IN 150 MM THICK 1:5:10 CEMENT CONCRETE ALL AROUND.
 13. FLOOR TRAPS - FLOOR TRAP SHALL BE FORMED DR 110x110 MM. DIA U.P.V.C. 'P' TRAP WITH 110 MM. DIA U.P.V.C. PIPE EXTENSION PIECE FOR SIDE INLETS.
 14. DRAIN POINTS - DRAIN POINTS SHALL BE FORMED OF 50X50 OR 63X63 MM DIA. ELBOW WITH 75 MM. DIA CP. GRATING WITH FRAME.

TOWER-T AREA CALCULATION (GR & 1st FL)

S.NO.	No.	LENGTH	WIDTH	REMARK		
A	1 x	7.480	x	9.800	=	73.304
B	1 x	1.430	x	8.185	=	11.705
TOTAL					=	85.009 U1

DEDUCTION AREAS (SHAFTS)

a	1 x	0.600	x	0.750	=	0.450
b	1 x	0.600	x	0.315	=	0.189
TOTAL					=	0.639 S1

NET UNIT AREA = 85.009 - 0.639 = 84.370 Z1

TOWER-T AREA CALCULATION (2nd FLOOR)

S.NO.	No.	LENGTH	WIDTH	REMARK		
C	1 x	7.250	x	5.860	=	42.485
D	1 x	1.660	x	8.185	=	13.587
E	1 x	7.480	x	0.808	=	6.044
TOTAL					=	62.116 U2

DEDUCTION AREAS (SHAFTS)

a	1 x	0.750	x	0.600	=	0.450
TOTAL					=	0.450 S2

NET UNIT AREA = 62.116 - 0.450 = 61.666 Z2

TOWER - T, (E.W.S.)

SQ.MT.	F.A.R. D.UNIT
GROUND FLOOR AREA (F.A.R.)	
(U1) =	85.009
FIRST FLOOR AREA (F.A.R.)	
(Z1) =	84.370
2nd FL AREA (F.A.R.)	
(Z2) =	61.666
GR. COVERAGE	91.988
MUMTY	13.587

MUMTY FLOOR AREA (NON F.A.R.)

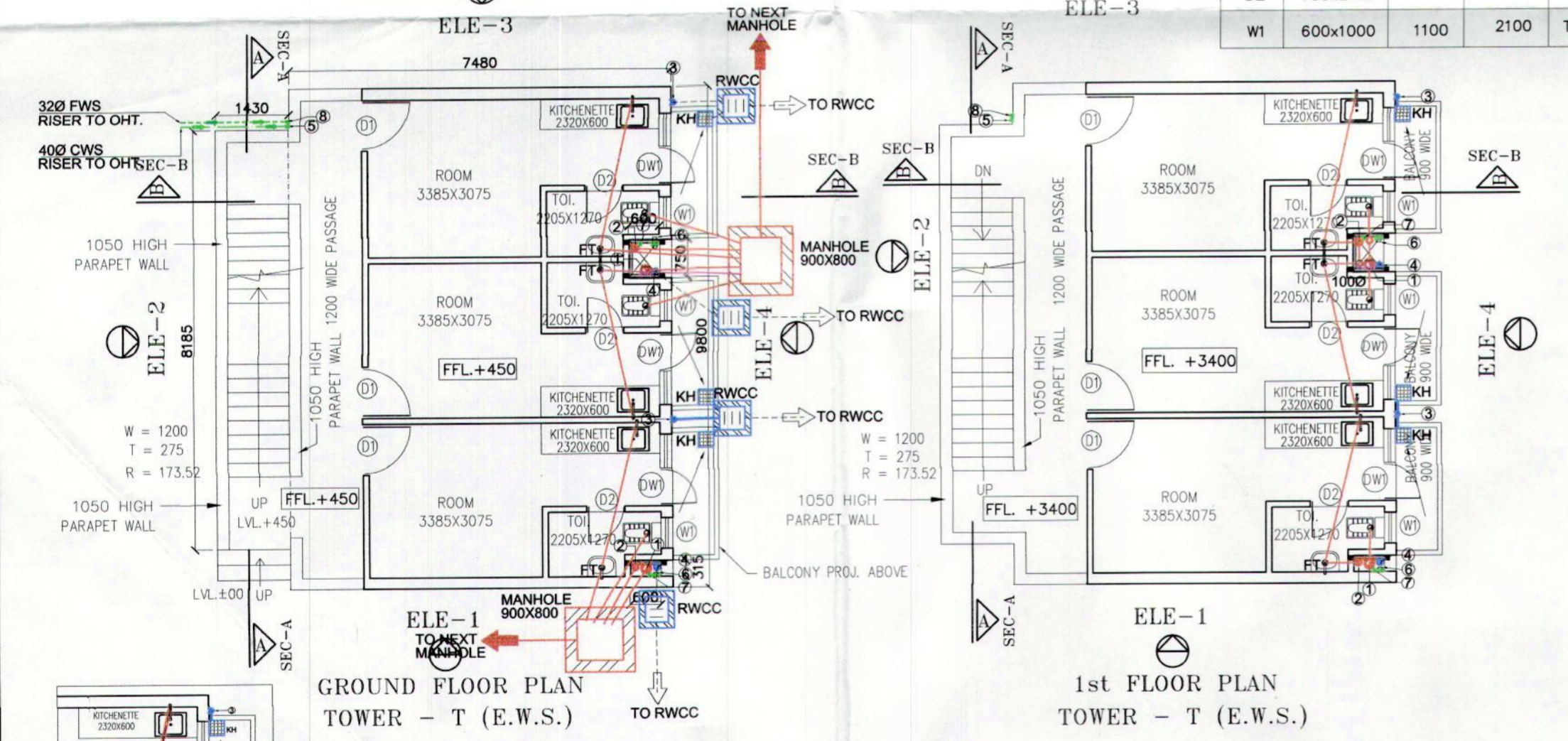
SQ.MT.	F.A.R. D.UNIT
(M1) =	13.587
GROUND COVERAGE	91.988
(U1 + M2) =	91.988

TOWER-T MUMTY AREA CALCULATION (NON F.A.R.)

S.NO.	No.	LENGTH	WIDTH	REMARK		
D	1 x	1.660	x	8.185	=	13.587
TOTAL					=	13.587 M1

E.W.S. (TOWER-T)

SQ.MT.	F.A.R. D.UNIT
GROUND FL	85.009 3
1ST FL	84.370 3
2nd FL	61.666 2
TOTAL	231.044 8
GR. COVERAGE	91.988
MUMTY	13.587



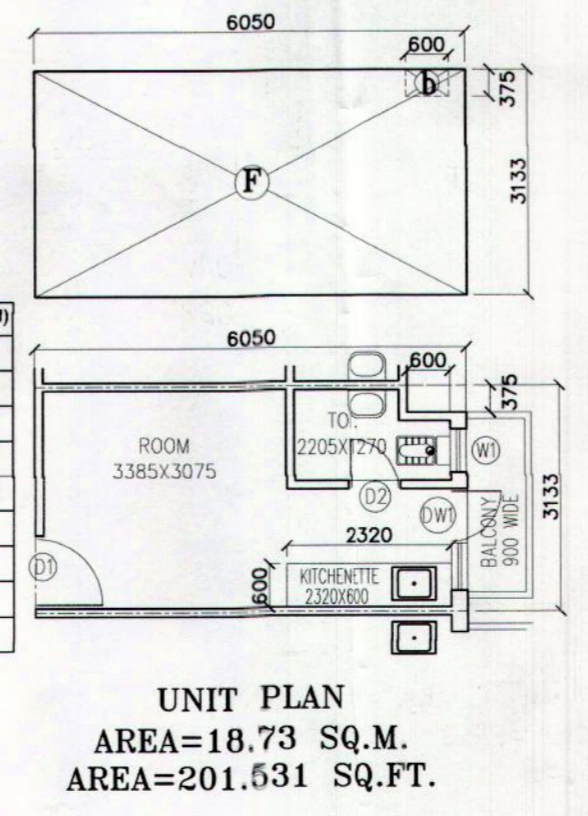
LEGEND FOR PLUMBING

S.NO.	DESCRIPTION	LEGEND
1.	SOIL AND VENT PIPE	[Symbol]
2.	WASTE AND VENT PIPE	[Symbol]
3.	RAIN WATER PIPE FOR BALCONY	[Symbol]
4.	RAIN WATER PIPE	[Symbol]
5.	COLD WATER SUPPLY RISER TO OHT	[Symbol]
6.	COLD WATER SUPPLY DROP FROM OHT	[Symbol]
7.	FLOOR TRAP	[Symbol]
8.	DRAIN POINT	[Symbol]
9.	FIRE HOSE CABINET	[Symbol]
10.	SHOWER	[Symbol]
11.	GEYSER	[Symbol]
12.	ABLUTION TAP	[Symbol]
13.	ISOLATING VALVE	[Symbol]
14.	COLD WATER SUPPLY LINE	[Symbol]
15.	FLUSHING WATER SUPPLY LINE	[Symbol]
16.	DRAINAGE LINE	[Symbol]
18.	SEWERAGE LINE	[Symbol]
19.	MANHOLE SIZE - (900X800 TYPICAL)	[Symbol]
20.	RAIN WATER COLLECTION CHAMBER SIZE - (500X450 TYPICAL)	[Symbol]

PIPE SCHEDULE

PIPE NO.	DESCRIPTION	DIA (MM)
1	SOIL AND VENT PIPE	160
2	WASTE AND VENT PIPE	110
3	RAIN WATER PIPE FOR BALCONY	75
4	RAIN WATER PIPE	110
5	C.W.S. RISER TO O.H.T.	40
6	C.W.S. DROP FROM O.H.T.	32
7	FLUSHING WATER SUPPLY DROP	32
8	FLUSHING WATER SUPPLY RISER TO O.H.T.	32
9	WET RISER FOR FIRE	100

* AS PER WATER SUPPLY DISTRIBUTION DIAGRAM.



TYPICAL UNIT AREA CALCULATION

S.NO.	No.	LENGTH	WIDTH	REMARK		
F	1 x	6.050	x	3.133	=	18.955
TOTAL					=	18.955 U2

DEDUCTION AREAS (SHAFTS)

b	1 x	0.600	x	0.375	=	0.225
TOTAL					=	0.225 S2

NET UNIT AREA = 18.955 - 0.225 = 18.730 Z2 SQ.M. = 201.531 SQ.FT.

ARCHITECT'S SIGN: BHUPENDERA KUMAR ARCHITECT CA/2004/3397 P.

CLIENT'S SIGN: For Essel Housing Projects Pvt. Ltd.

CLIENT: REVISED /PROPOSED TOWER Q1,Q2,R1,R2,R3,R4,S1,S2 & T GROUP HOUSING COLONY FOR AN ADDITIONAL AREA MEASURING 1.75 ACRES (LICENSE NO. LC-224(G)-PA(SN)2016/20025 DATED 22-09-2016 AND ADDITIONAL AREA MEASURING 0.19375 ACRE (LICENSE NO.LC-224(F)-PA(SN)2016/20030 DATED 22-09-2016) IN ALREADY LICENSE GRANTED GROUP HOUSING COLONY MEASURING 34.575 ACRES (LICENSE NO. 48 OF 1995, DATED 20.12.1995, LICENSE NO. 61 OF 2004, DATED 01.06.2004 AND LICENSE NO.32 & 33 OF 2009, DATED 11.07.2009), TOTAL AREA 36.51875 ACRES IN SECTOR-28, GURGAON-MANESAR URBAN COMPLEX BEING DEVELOPED BY ESSEL HOUSING PROJECTS (P) LTD. IN COLLABORATION WITH SH. RANBIR SINGH & SH. AJAY AND MOONLIGHT CONTINENTAL PVT. LTD.

BUILDING NO. TOWER - T (E.W.S.)

SHEET TITLE PLAN ELEVATION & SECTION

SCALE 1:100

CHECKED DATE 14-01-17

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