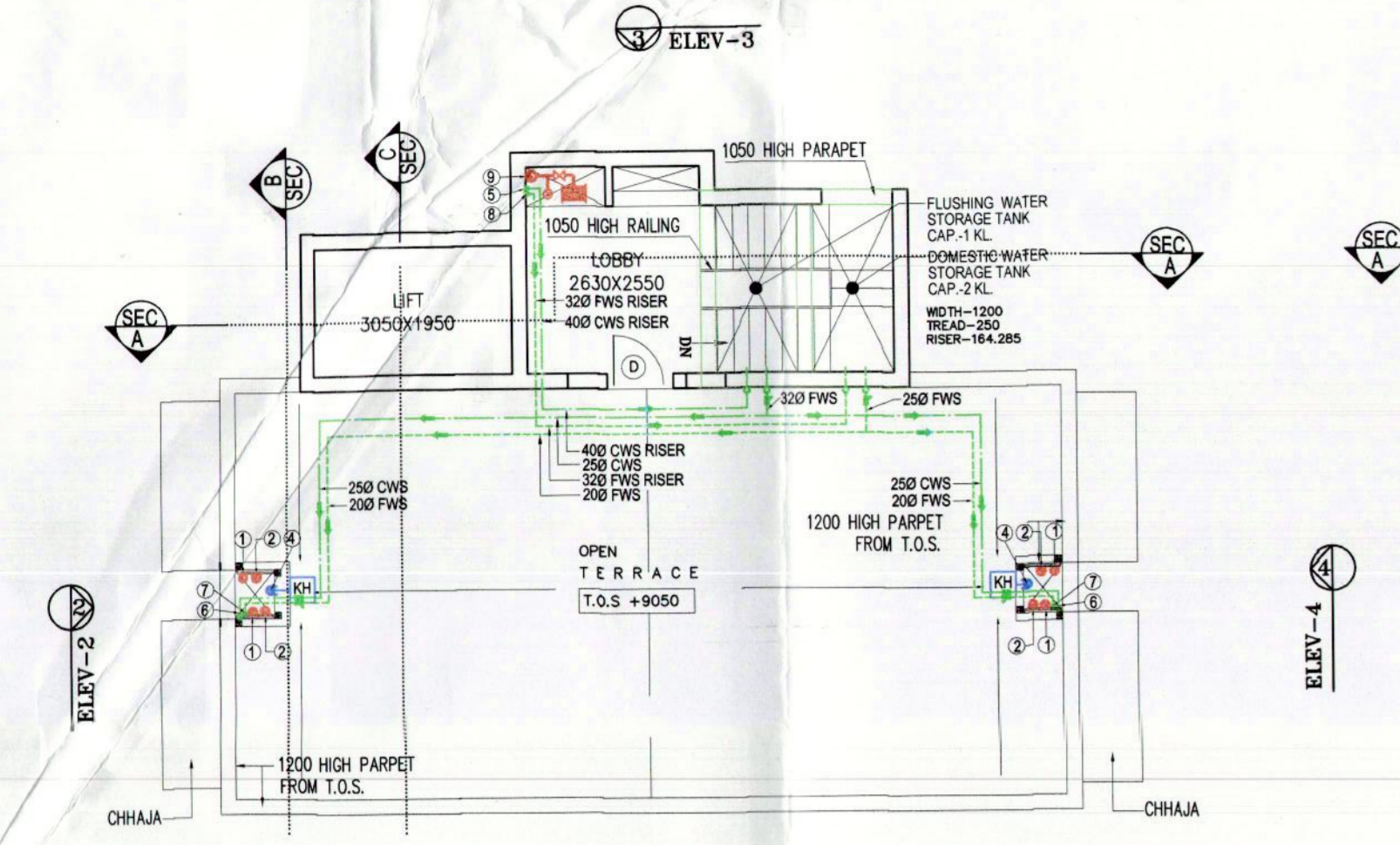
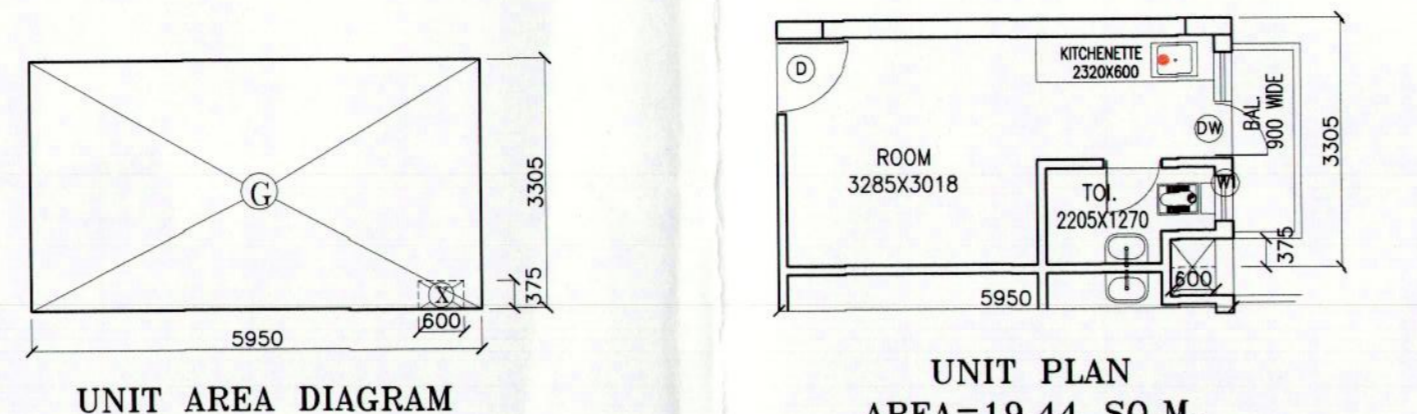


(BALWANT SINGH)



MACHINE ROOM/O.H.W.T. PLAN TOWER - S



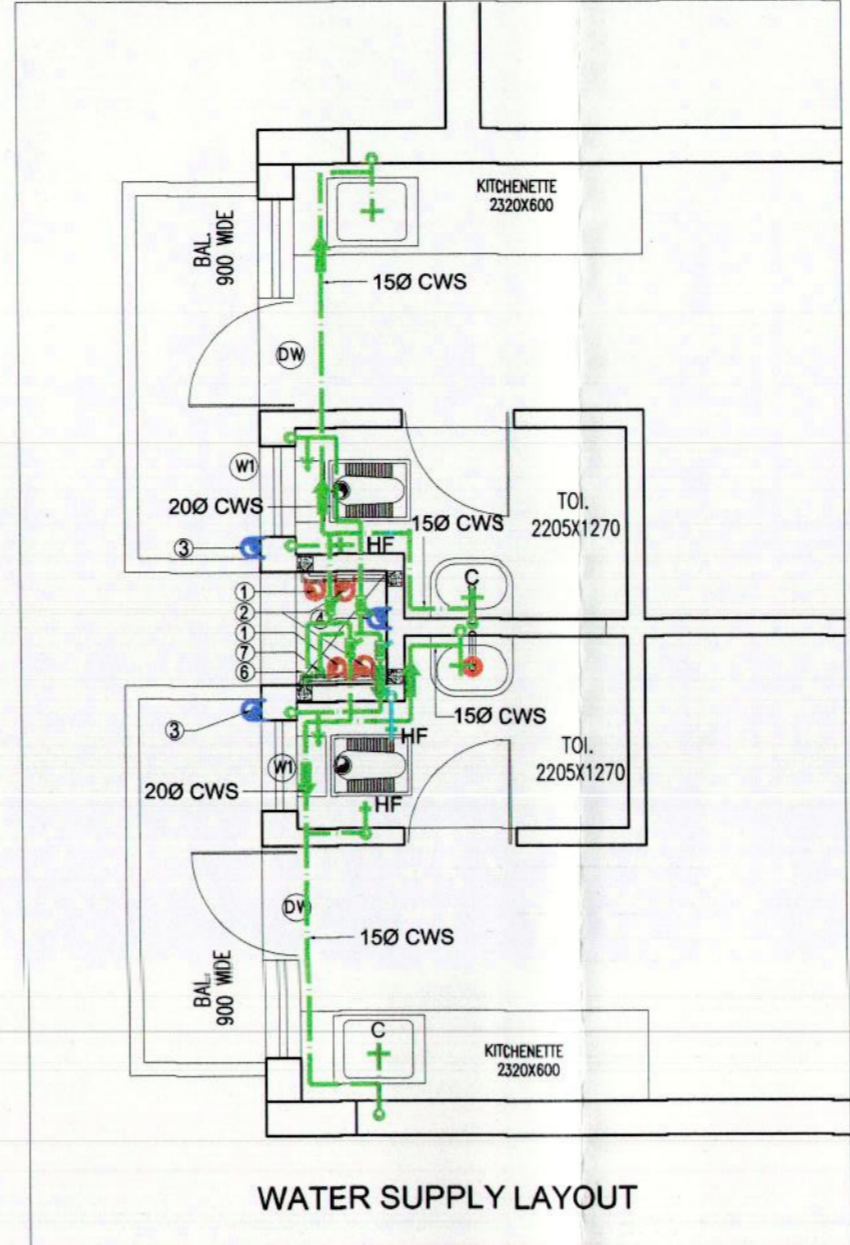
UNIT PLAN
AREA=19.44 SQ.M.
AREA=209.172 SQ.FT.

S.NO.	No.	LENGTH	WIDTH	REMARK
TOTAL	1	5.950	3.305	= 19.665 U2

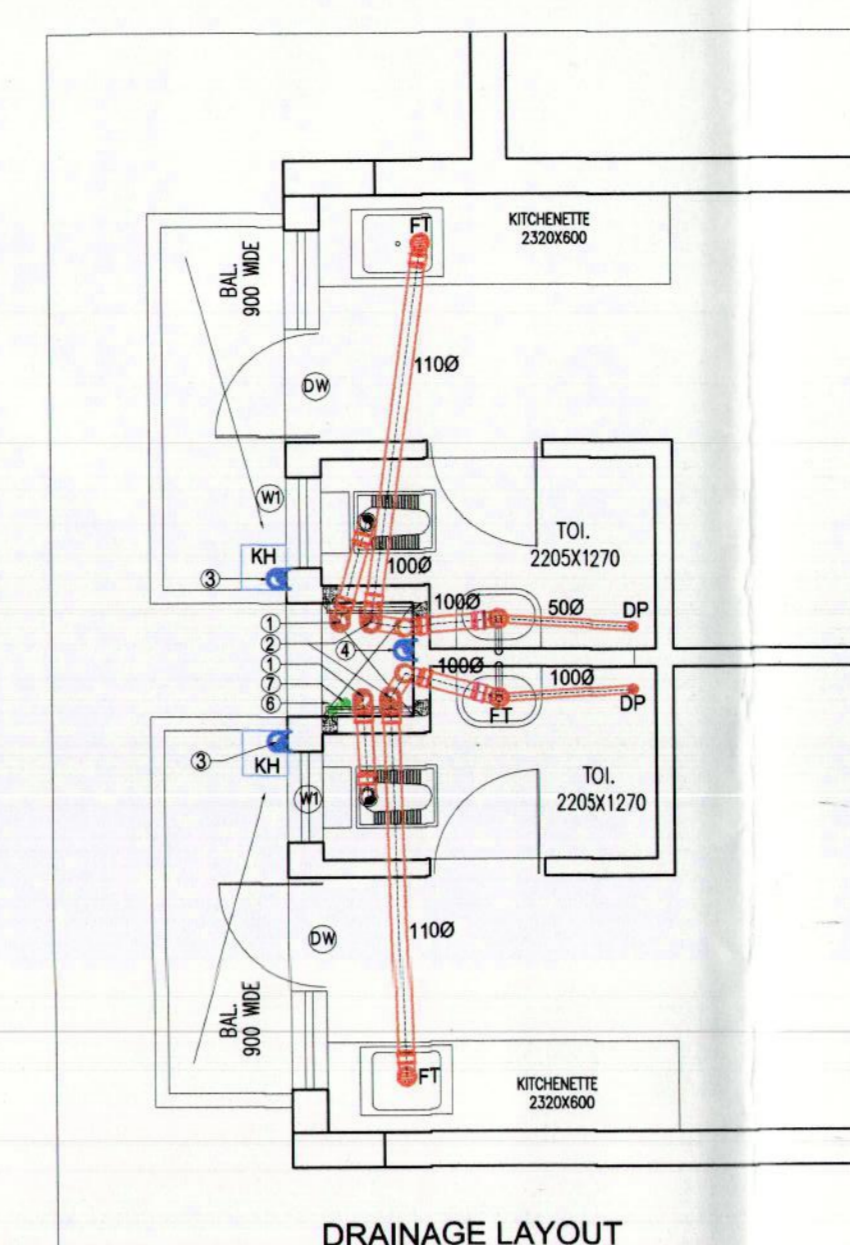
DEDUCATION AREAS (SHAFTS)

TOTAL	1	0.600	0.375	= 0.225 S2
-------	---	-------	-------	------------

NET UNIT AREA = 19.665 - 0.225 = 19.440 Z2 SQ.M.
209.172 SQ.FT.



WATER SUPPLY LAYOUT



DRAINAGE LAYOUT

TOWER-S AREA CALCULATION (GROUND FLOOR)

S.NO.	No.	LENGTH	WIDTH	REMARK
A	1	3.090	0.600	= 1.854
E	1	3.280	2.410	= 7.905
F	1	6.060	3.010	= 18.241
TOTAL				= 27.999 U1

DEDUCATION AREAS (SHAFTS)

a	1	1.200	0.370	= 0.444
b	1	1.315	0.370	= 0.487
c	1	3.050	1.950	= 5.948
TOTAL				= 6.878 S1

NET UNIT AREA = 27.999 - 6.878 = 21.121 Z1

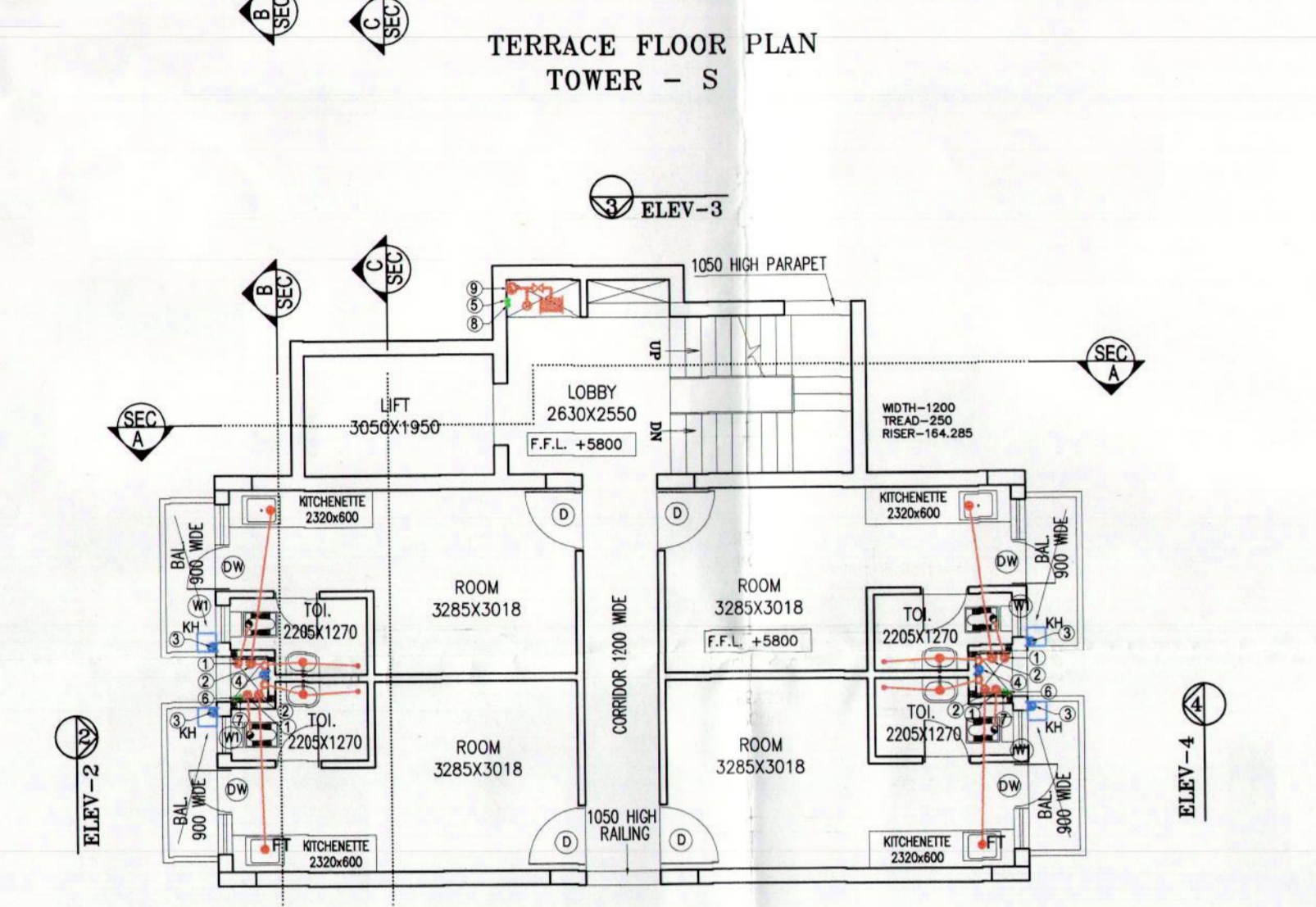
TOWER-S AREA CALCULATION (FIRST FLOOR)

S.NO.	No.	LENGTH	WIDTH	REMARK
A	1	3.090	0.600	= 1.854
B	1	3.280	2.180	= 7.150
C	1	6.060	2.780	= 16.847
D	1	13.100	6.667	= 87.337
TOTAL				= 113.189 U2

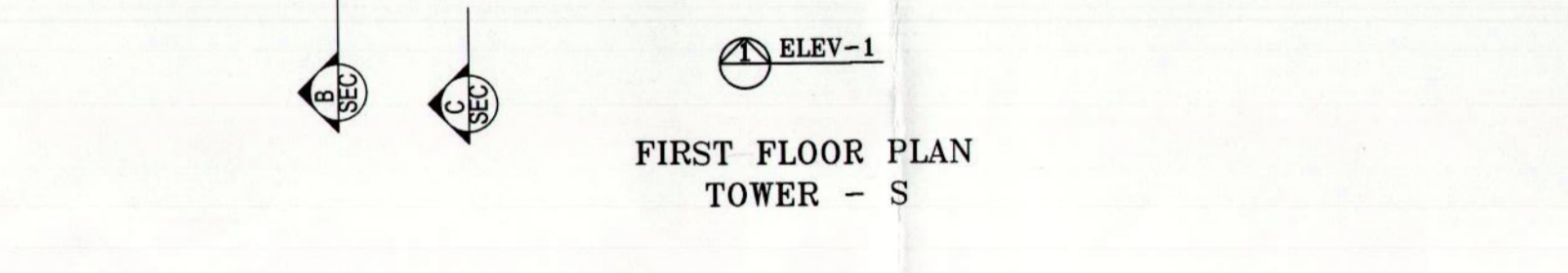
DEDUCATION AREAS (SHAFTS)

a	1	1.200	0.370	= 0.444
b	1	1.315	0.370	= 0.487
c	1	3.050	1.950	= 5.948
d	2	0.600	0.750	= 0.900
TOTAL				= 7.778 S2

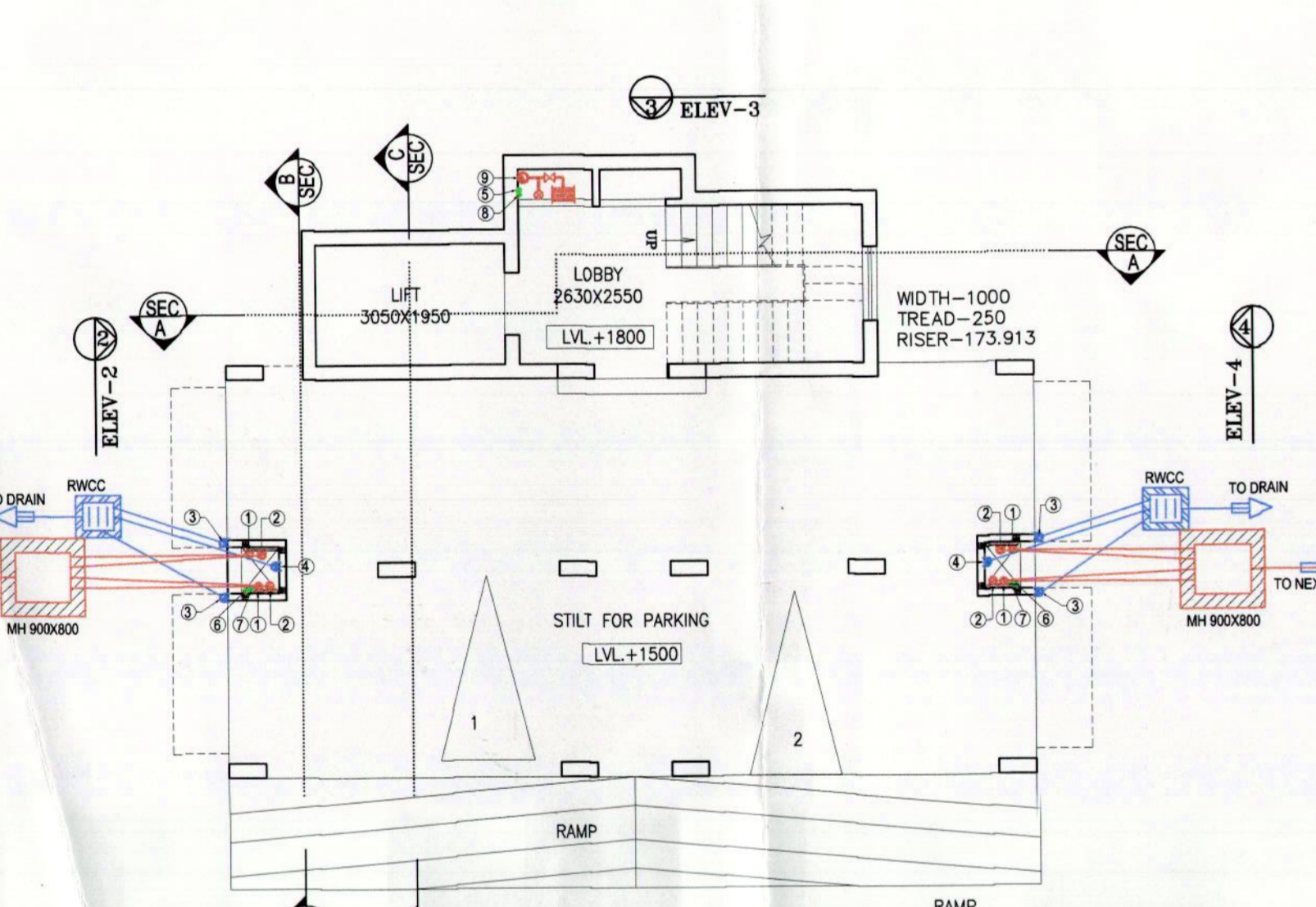
NET UNIT AREA = 113.189 - 7.778 = 105.411 Z2



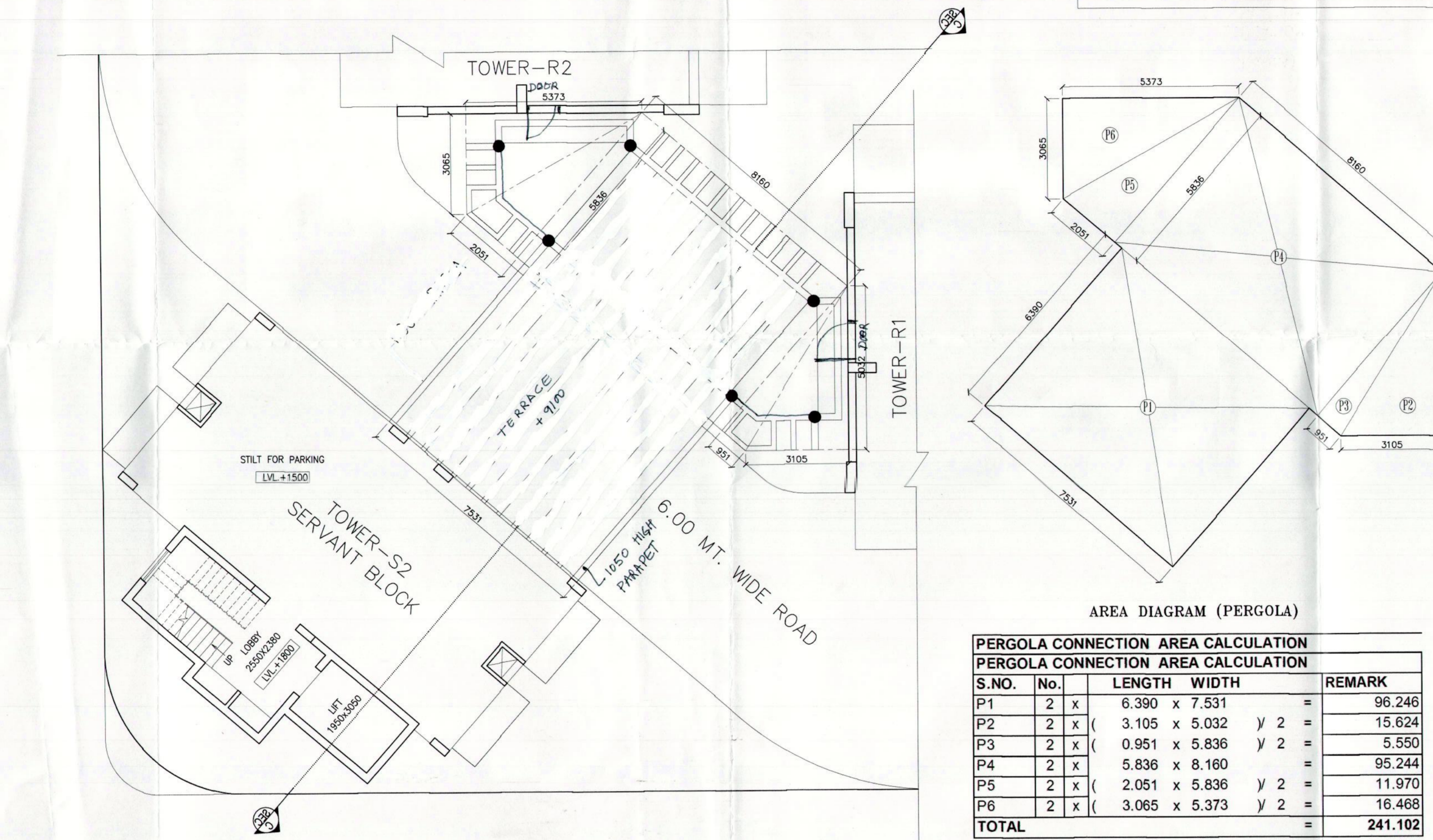
TERRACE FLOOR PLAN TOWER - S



FIRST FLOOR PLAN TOWER - S



STILT FLOOR PLAN TOWER - S



AREA DIAGRAM (PERGOLA)

PERGOLA CONNECTION AREA CALCULATION

S.NO.	No.	LENGTH	WIDTH	REMARK
P1	2	6.390	7.531	= 96.246
P2	2	3.105	5.032	= 15.624
P3	2	0.951	5.836	= 5.550
P4	2	5.836	8.160	= 95.244
P5	2	2.051	5.836	= 11.970
P6	2	3.065	5.373	= 16.468
TOTAL				= 241.102

- NOTES**
1. ALL PIPE DIAMETERS ARE IN MM.
 2. THIS DRAWING SHALL BE KEPT 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 & WET PIPE WORK - SOIL WASTE & WET PIPE WORK SHALL BE CARRIED OUT IN GALVANIZED IRON PIPES CONFORMING TO IS-129 (PART-1-1979). ALL PIPES FITTINGS SHALL BE MALLEABLE CAST IRON AND CONFORMING TO IS-1879 PART-1 TO 10 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 HANER, 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-129 (PART-1-1979). ALL PIPES FITTINGS SHALL BE MALLEABLE CAST IRON AND CONFORMING TO IS-1879 PART-1 TO 10 UNLESS SPECIFIED OTHERWISE.
 8. 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.
 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 POLYURETHANE FOAM SHEETS OR EXTENDED SYNTHETIC RUBBER POLYURETHANE COMPOUND (VIDOFLUX BRAND).
 12. ALL STONE WARE PIPES SHALL BE ENCASED IN 100 MM. THICK 1:5:10 CEMENT CONCRETE ALL AROUND.
 13. FLOOR TRAPS - FLOOR TRAP SHALL BE FORMED OF 100X100 MM. DIA. U.P.C. PIPE WITH 100 MM. DIA. U.P.C. PIPE EXTENSION FOR SIDE INLETS.
 14. DRAIN POINTS - DRAIN POINTS SHALL BE FORMED OF 60X60 OR 63X63 M.D.I.A. ELBOW WITH 75 MM. DIA. CP. GRATING WITH FRAME.

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

S.NO.	No.	LENGTH	WIDTH	REMARK
A	1	3.090	0.600	= 1.854
E	1	3.280	2.410	= 7.905
F	1	6.060	3.010	= 18.241
TOTAL				= 27.999 M1

DEDUCATION AREAS (SHAFTS)

a	1	1.200	0.370	= 0.444
b	1	1.315	0.370	= 0.487
c	1	3.050	1.950	= 5.948
TOTAL				= 6.878 S3

NET UNIT AREA = 27.999 - 6.878 = 21.121 M2

TOWER - S, SERVANT BLOCK

GROUND FLOOR AREA (F.A.R.)	SQ.MT.
(Z1 + S2)	= 28.899

1st FL. AREA (F.A.R.)

SQ.MT.	
(Z2)	= 105.411

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

SQ.MT.	
(M1)	= 27.999

MACHINE & H.W.T. AREA (NON F.A.R.)

SQ.MT.	
(M3)	= 27.999

GROUND COVERAGE

SQ.MT.	
(U2 + M6)	= 122.495
(113.189 + 9.306)	

STILT AREA CALCULATION

SQ.MT.	
(M5)	= 83.337
(83.337)	

SERVANT BLOCK TOWER-S

S.NO.	No.	F.A.R.	D.UNIT
GROUND FL.		28.899	-
1ST FL.		105.411	4
TOTAL		134.310	4

GR. COVERAGE 122.496
MUMTY 27.999
STILT 83.337

TOWER-S STILT AREA CALCULATION (NON F.A.R.)

S.NO.	No.	LENGTH	WIDTH	REMARK
S1	1	1.240	0.230	= 0.285
S2	1	2.520	0.230	= 0.580
S3	1	13.100	6.437	= 84.325
TOTAL				= 85.190 M4

DEDUCATION AREAS (SHAFTS)

s1	2	0.945	0.980	= 1.852
TOTAL				= 1.852 S4

NET UNIT AREA = 85.190 - 1.852 = 83.337 M5

TOWER-S MACHINE ROOM & O.H.W.T. AREA CALC (NON F.A.)

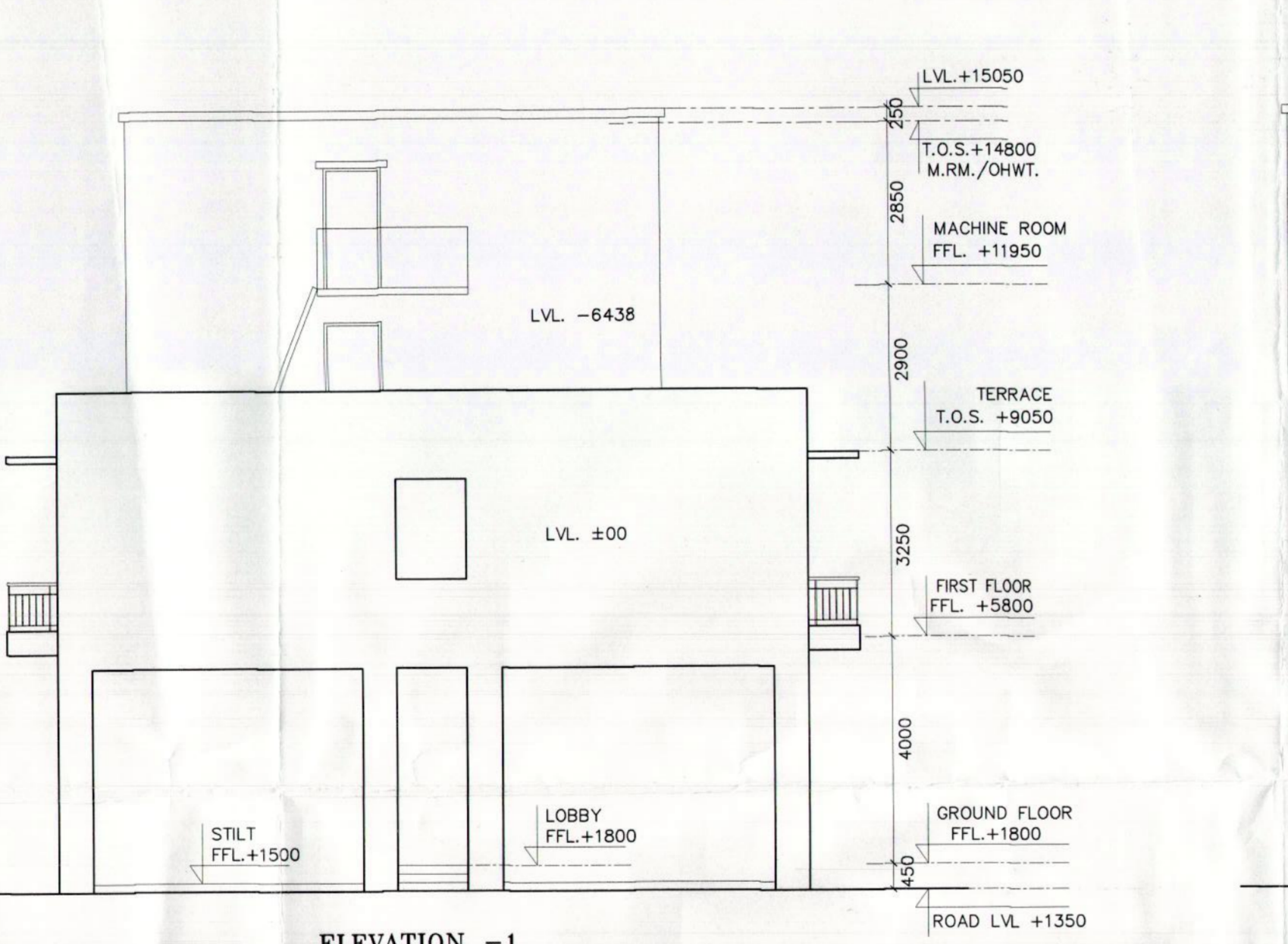
S.NO.	No.	LENGTH	WIDTH	REMARK
A	1	3.090	0.600	= 1.854
E	1	3.280	2.410	= 7.905
F	1	6.060	3.010	= 18.241
TOTAL				= 27.999 M3

TOWER-S BALCONY AREA CALC (NON F.A.R.)

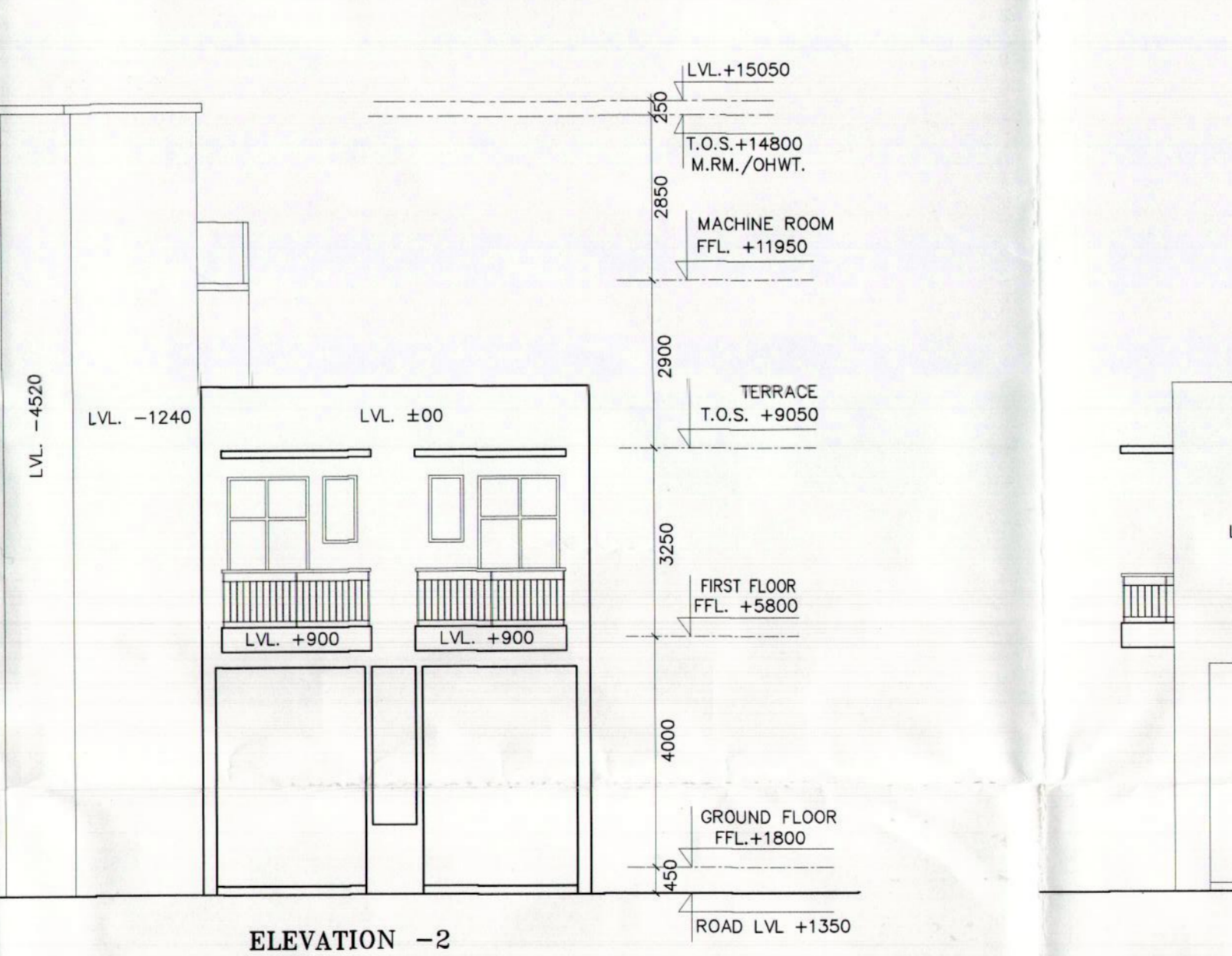
S.NO.	No.	LENGTH	WIDTH	REMARK
S1	4	0.900	2.585	= 9.306
TOTAL				= 9.306 M6

LEGEND FOR PLUMBING

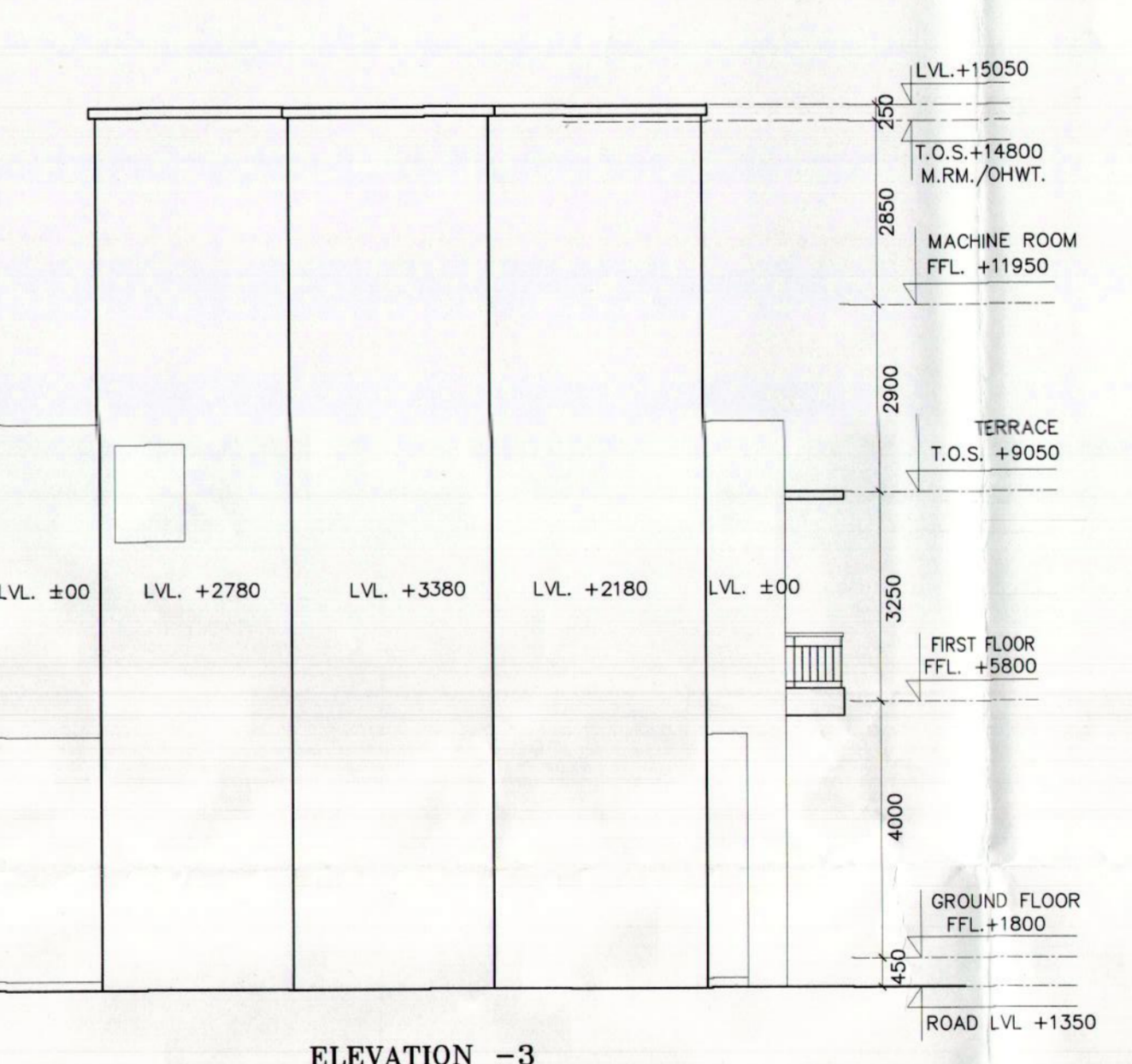
S.NO.	DESCRIPTION	LEGEND
1	SOIL AND VENT PIPE	—
2	WASTE AND VENT PIPE	—
3	RAIN WATER PIPE FOR BALCONY	—
4	RAIN WATER PIPE	—
5	COLD WATER SUPPLY RISER TO OHT	—
6	COLD WATER SUPPLY DROP FROM OHT	—
7	FLOOR TRAP	—
8	DRAIN POINT	—
9	FIRE HOSE CABINET	—
10	SHOWER	—
11	GEYSER	—
12	ABLUTION TAP	—
13	ISOLATING VALVE	—
14	COLD WATER SUPPLY LINE	—
15	FLUSHING WATER SUPPLY LINE	—
16	DRAINAGE LINE	—
17	SEWERAGE LINE	—
18	MANHOLE SIZE - (800X800 TYPICAL)	—
19	RAIN WATER COLLECTION CHAMBER SIZE - (600X450 TYPICAL)	—



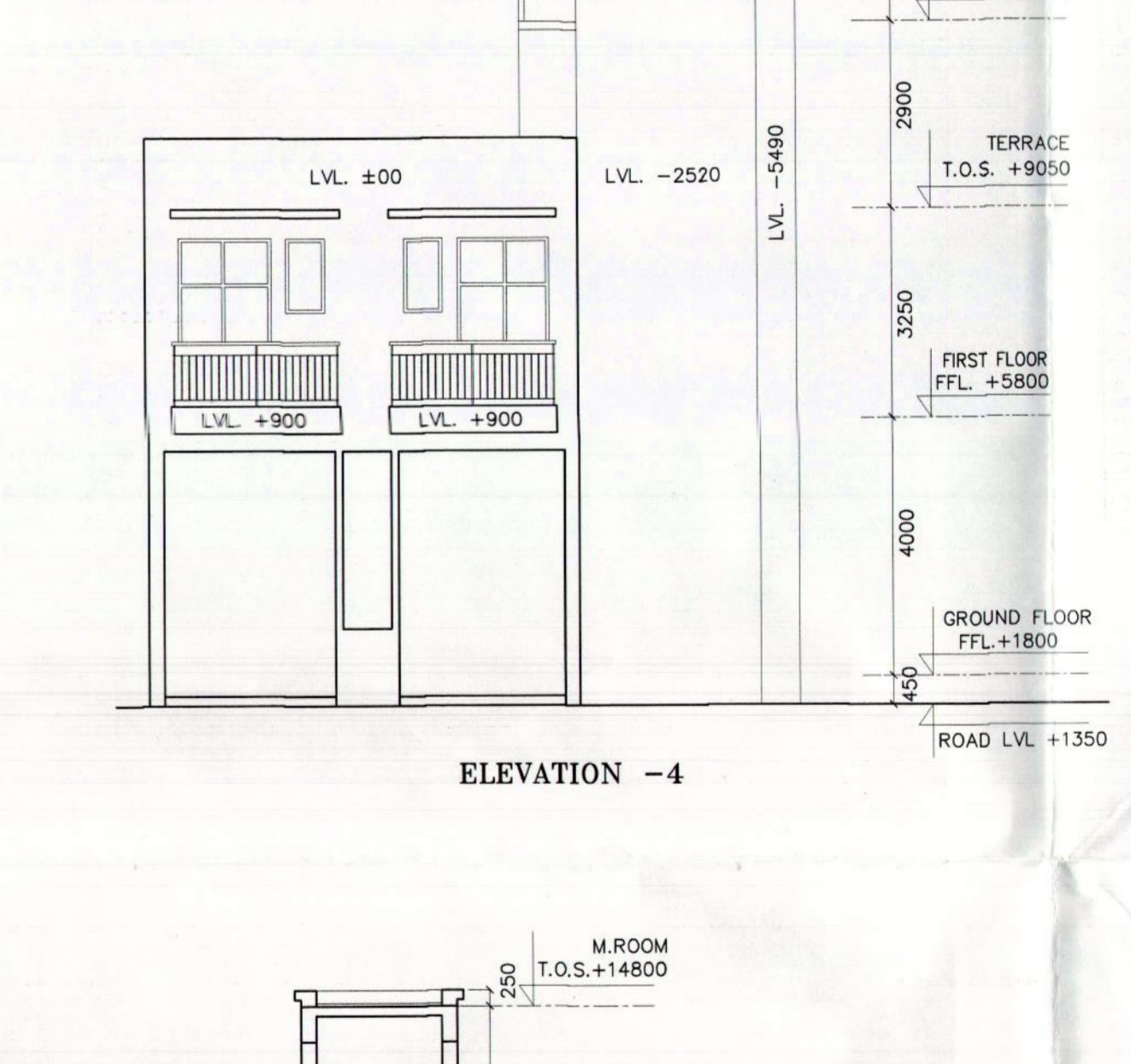
ELEVATION -1



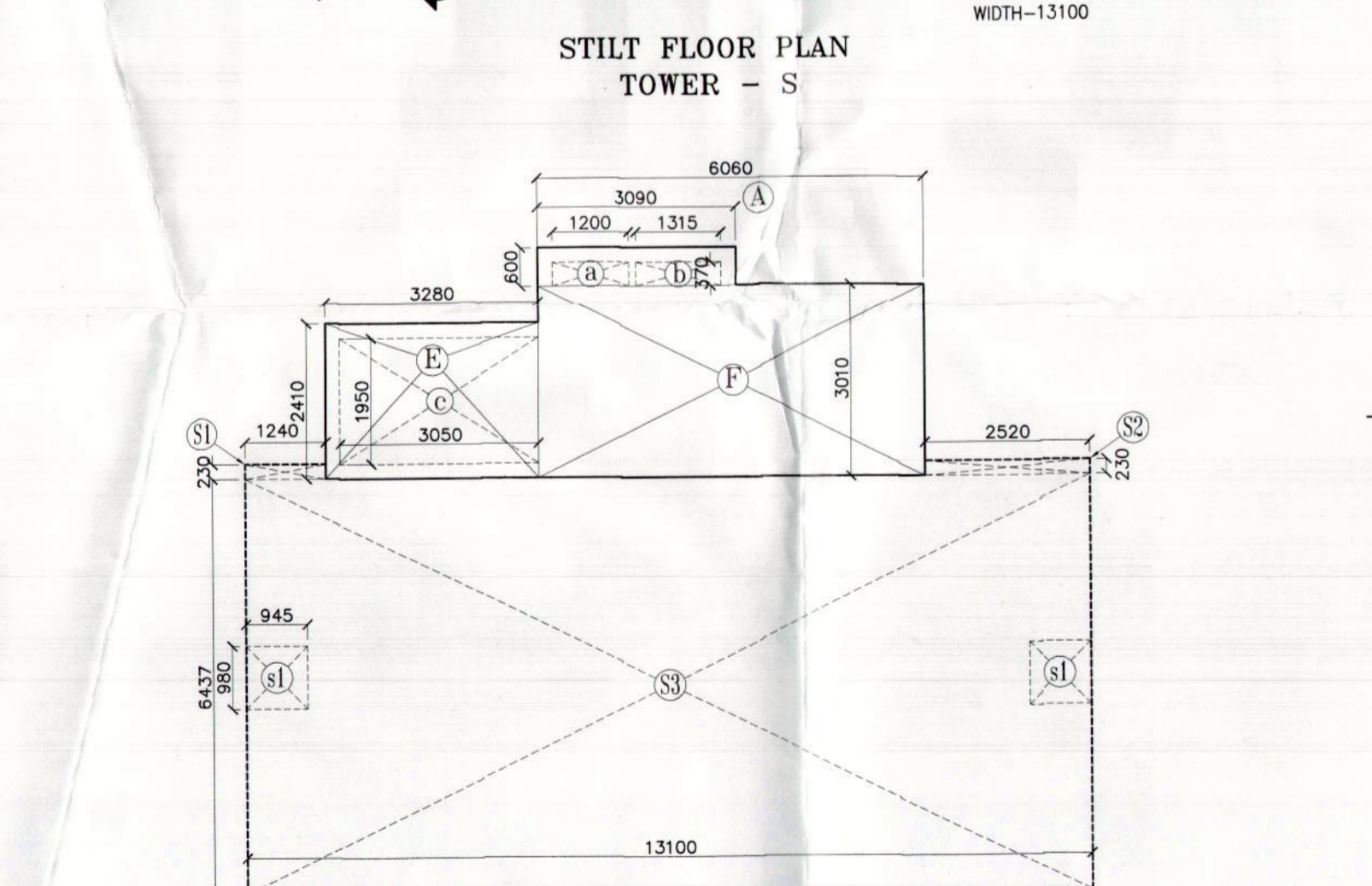
ELEVATION -2



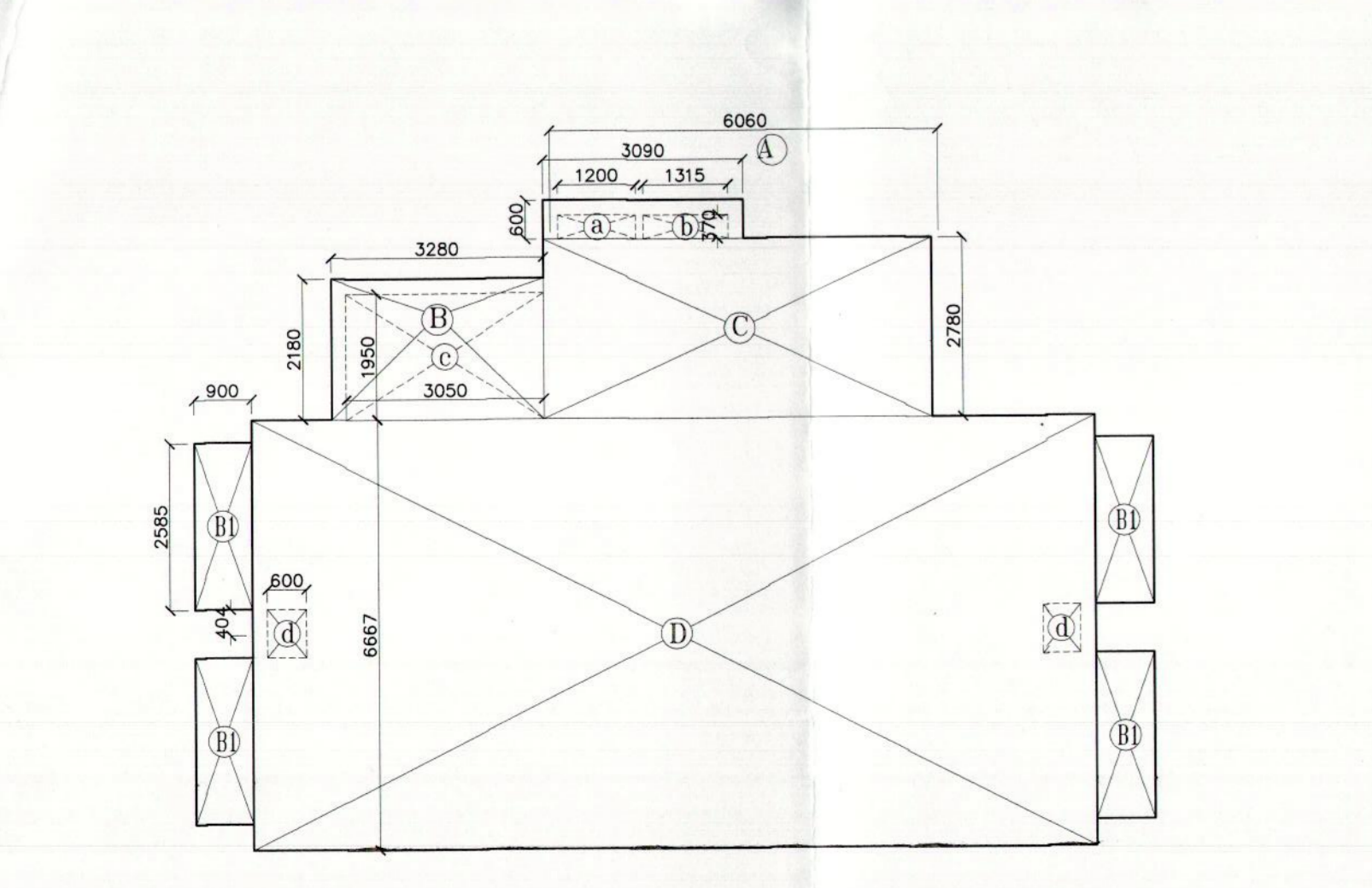
ELEVATION -3



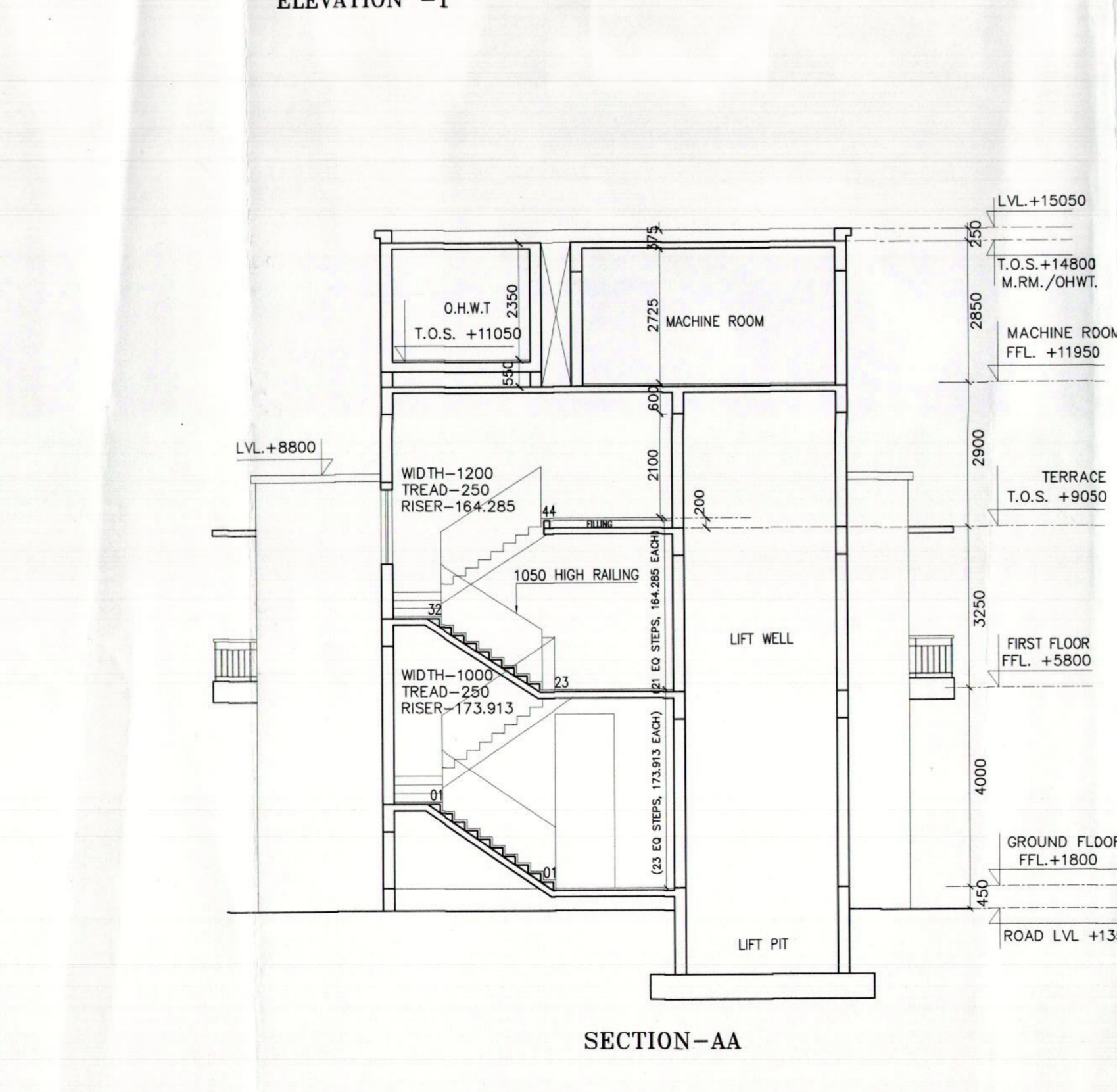
ELEVATION -4



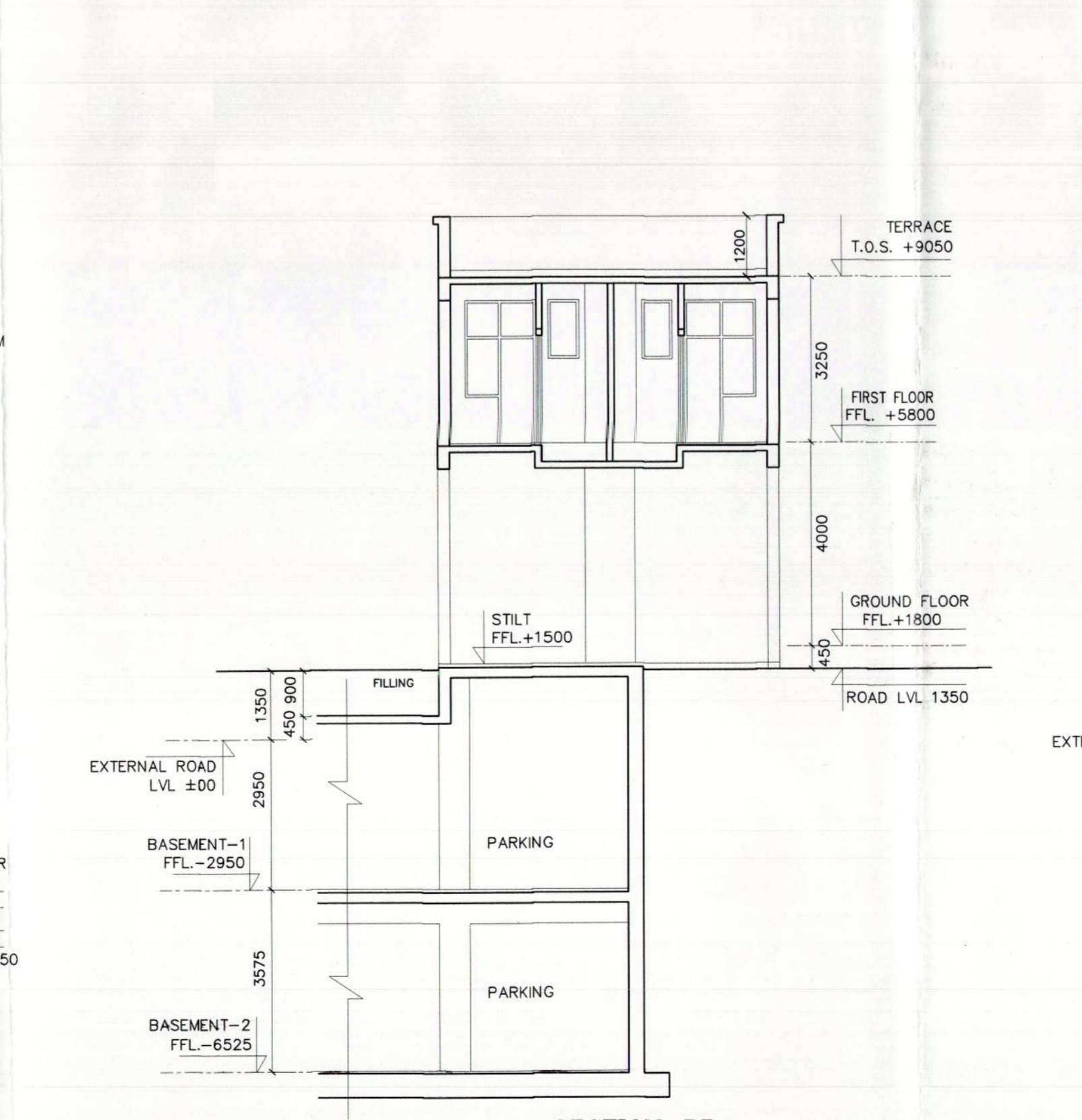
AREA DIAGRAM (GROUND FLOOR)



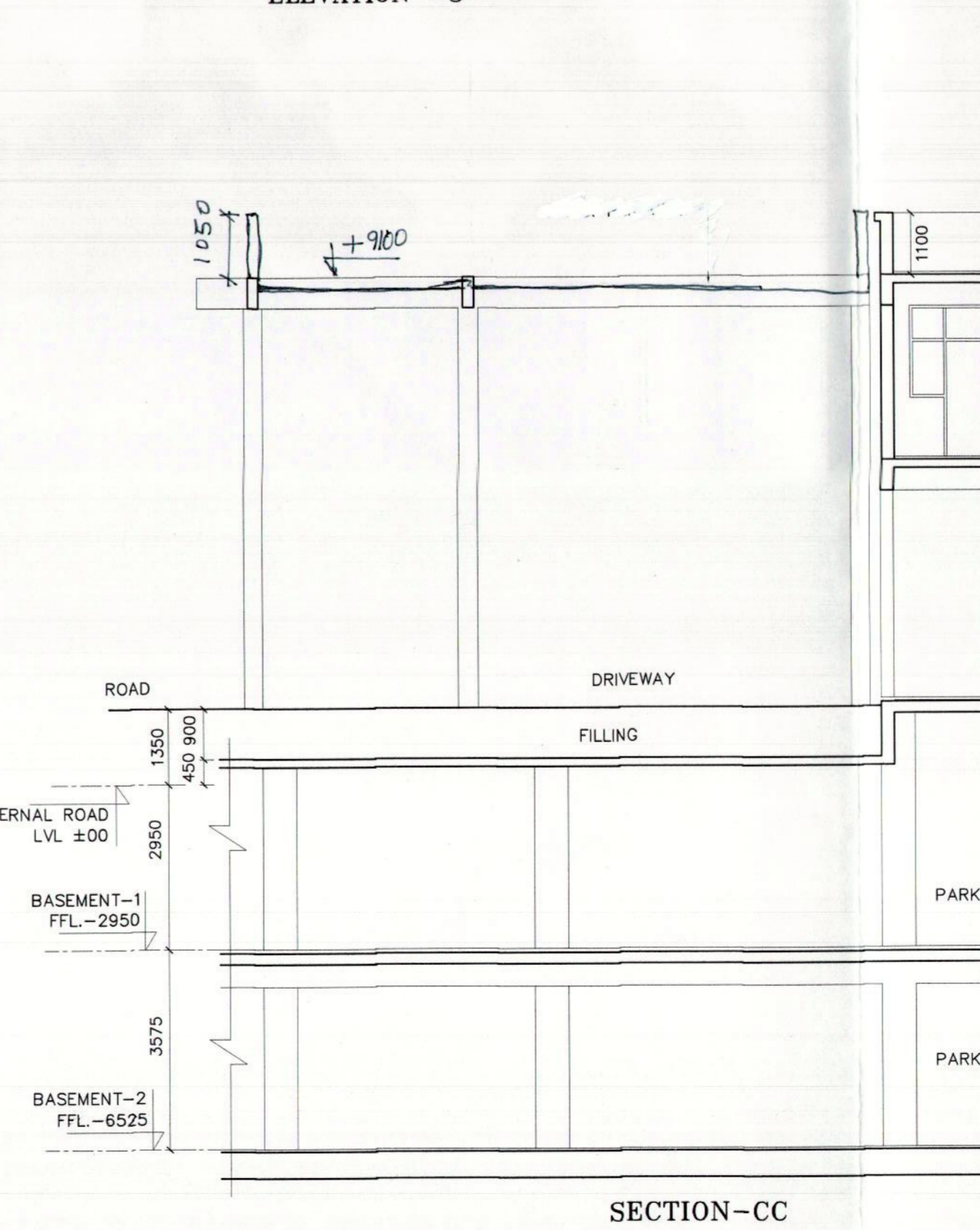
AREA DIAGRAM (FIRST FLOOR)



SECTION-AA



SECTION-BB



SECTION-CC

SCHEDULE OF OPENING

TYPE	SIZE	CLL.	INTEL.	REMARK
DW	1402x2450	-	2450	BED ROOM
D1	1000x2100	-	2100	ROOM
D2	750x2100	-	2100	TOILET
W1	600x1000	1100	2100	TOILET

PIPE SCHEDULE

PIPE NO.	DESCRIPTION	SIZE (MM)
1	SOIL AND VENT PIPE	150
2	WASTE AND VENT PIPE	150
3	RAIN WATER PIPE FOR BALCONY	75
4	RAIN WATER PIPE	150
5	C.W.S. RISER TO OHT	40
6	C.W.S. DROP FROM OHT	32
7	FLUSHING WATER SUPPLY RISER TO OHT	32
8	FLUSHING WATER SUPPLY RISER TO OHT	32
9	WET RISER FOR FIRE	150

* AS PER WATER SUPPLY DISTRIBUTION DIAGRAM.

ARCHITECT'S SIGN: BHUPENDRA KUMAR ARCHITECT CA/2004/3372

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-22469-PAN/02/02/2002 DATED 22-09-2016 AND ADDITIONAL AREA MEASURING 1.9355 ACRES (LICENSE NO. LC-22469-PAN/02/02/2002 DATED 22-09-2016) IN ALREADY LICENSE GRANTED GROUP HOUSING COLONY MEASURING 34.75 ACRES (LICENSE NO. 48 OF 1995, DATED 20.12.1995, LICENSE NO. 61 OF 2004, DATED 01.06.2004 AND LICENSE NO. 21 & 23 OF 2005, DATED 11.07.2005), TOTAL AREA 36.50475 ACRES IN SECTOR-28 GURGAON/NEHRU URBAN COMPLEX BEING DEVELOPED BY ESSEL HOUSING PROJECTS (P) LTD. IN COLLABORATION WITH SH. BANBAR SINGH & SH. AJAY AND MOONLIGHT CONTINENTAL PVT. LTD.

BUILDING NO. **TOWER - S1 & S2**

SHEET TITLE: **PLAN, AREA CALCULATION ELEVATION & SECTION**

SCALE: 1:100

CHECKED: 14-01-2017

ARCHITECT: SAHA & ASSOCIATES ARCHITECTS, PLANNERS & INT. DESIGNERS D-22, PAMPOSH ENCLAVE, (L.G.F.) NEW DELHI-110048 TEL: 26265932; 26461121. email:- bhupesh@gmail.com