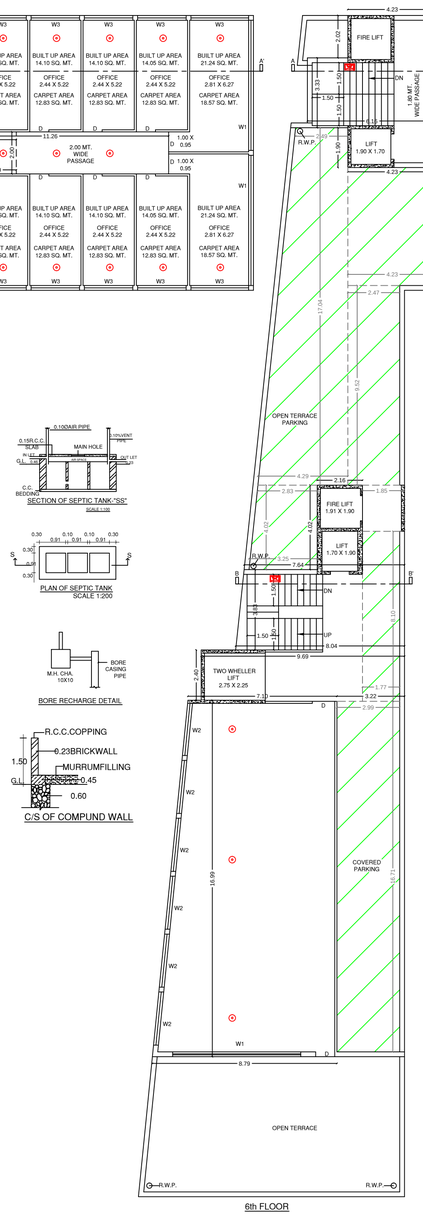
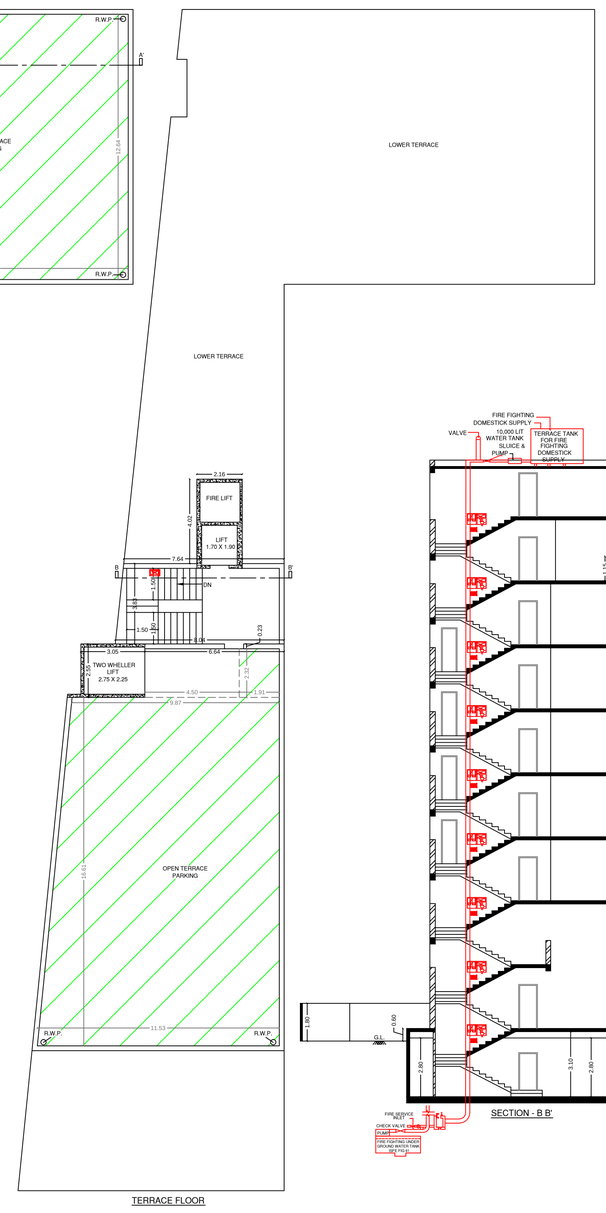
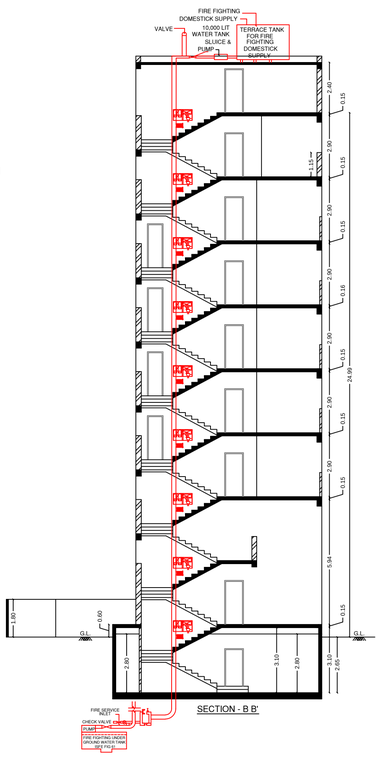
1st TO 5th FLOOR



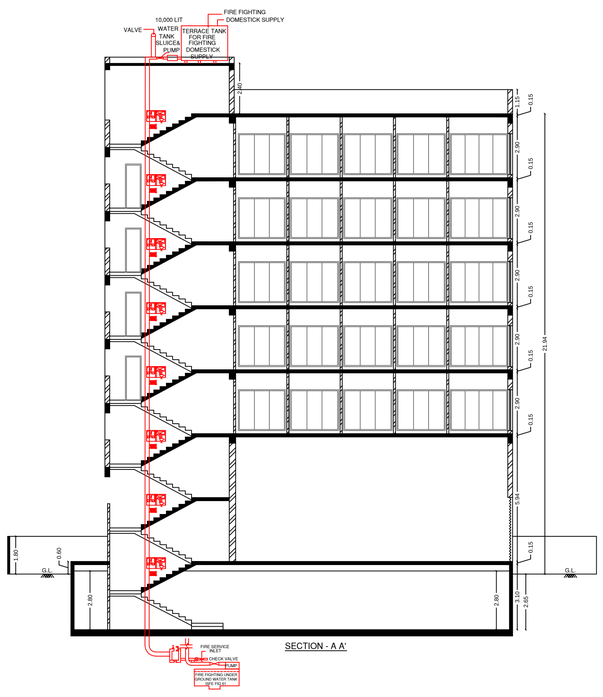
6th FLOOR



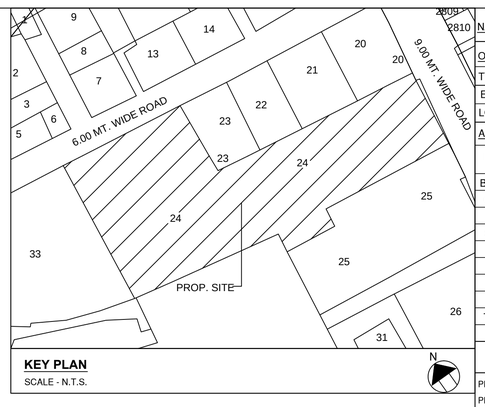
TERRACE FLOOR



SECTION - B B'



SECTION - A A'



KEY PLAN

SCALE - N.T.S.

NAME OF WORK :	DWL. - 2 (COTTAGE INDUSTRY)
OWNER'S NAME :	PIYUSHBHAI VINODRAI PAREKH
TYPE OF CONST. : FRAME STRUCTURE	C. S. NO. : 1944
ELE. WARD NO : 14	C. S. WARD NO : 05
LOCATION : PALACE ROAD, RAJKOT	
AREA TABLE :	PLOT AREA :- 1480.88 SQ. MT.

FLOOR	PROP. B/A	LESS IN F.S.I.	F.S.I. B/A	CARPET AREA
BASEMENT	829.87	829.87	00.00	
GROUND	682.61	213.43	469.18	
FIRST	682.61	93.75	588.86	
SECOND	682.61	93.75	588.86	
THIRD	682.61	93.75	588.86	
FORTH	682.61	93.75	588.86	
FIFTH	682.61	93.75	588.86	
SIXTH	281.76	146.77	134.99	
TERRACE	48.02	48.02	00.00	
TOTAL	5255.31	1706.84	3548.47	

F.S.I. USED = $\frac{3548.47}{1480.88}$ = 2.40 < 2.50 O.K.

PERMISSIBLE F.S.I. = 1480.88 X 2.00 = 2961.76 SQ. MT.
PERMISSIBLE PAID F.S.I. = 1480.88 X 0.50 = 740.44 SQ. MT.
NET PAID FSI = 3548.47 - 2961.76 = 586.71 SQ. MT.

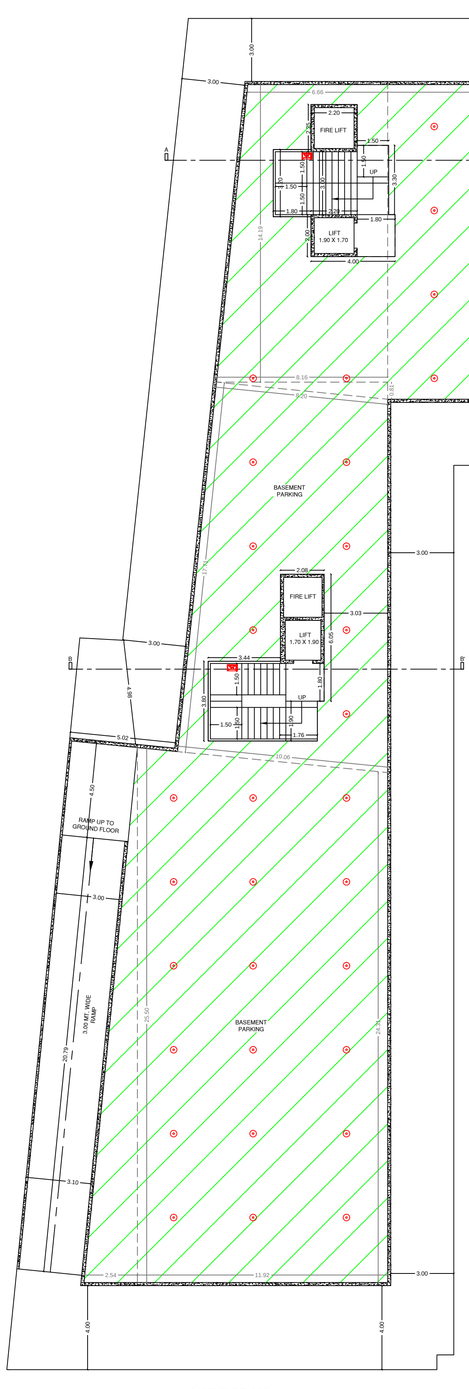
SCH. OF OPENING :	LEGEND :	STAIR :
RS = 3.65 X 3.05	PLOT BOUNDARY	WIDTH : 1.50 MT.
D = 0.90 X 2.10	PROP. WORK	RISER : 0.16 MT.
D1 = 0.75 X 2.10	DRAINAGE LINE	TREAD : 0.30 MT.
W = 12.85 X 1.80	PARKING	
W1 = 6.21 X 1.80		
W2 = 2.54 X 1.80		
W3 = 2.31 X 1.80		
V = 0.60 X 0.60		

OWNER :

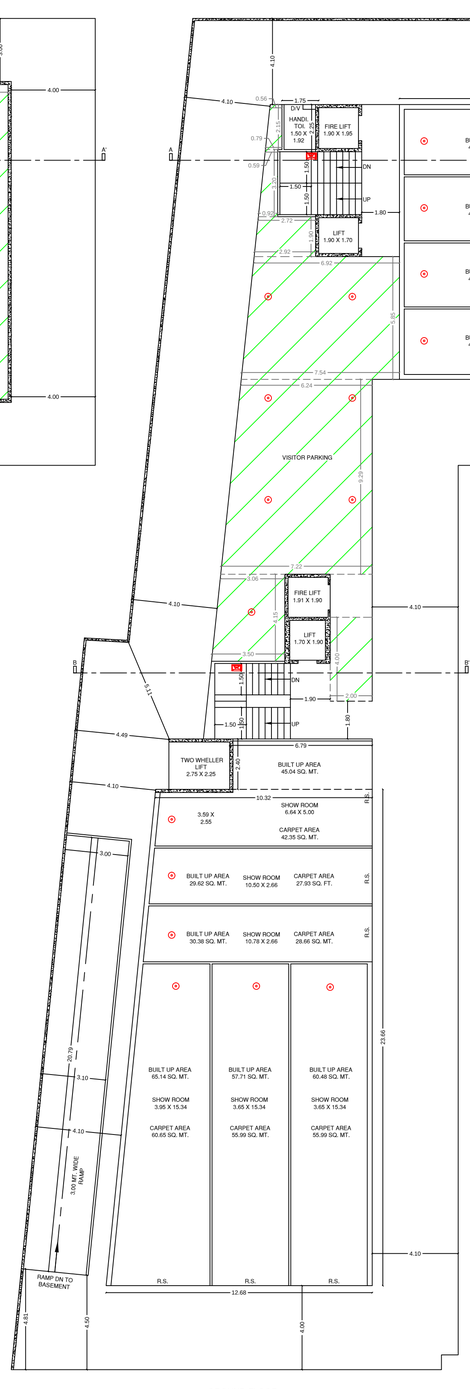
ARCHITECT :

ST. ENGINEER :

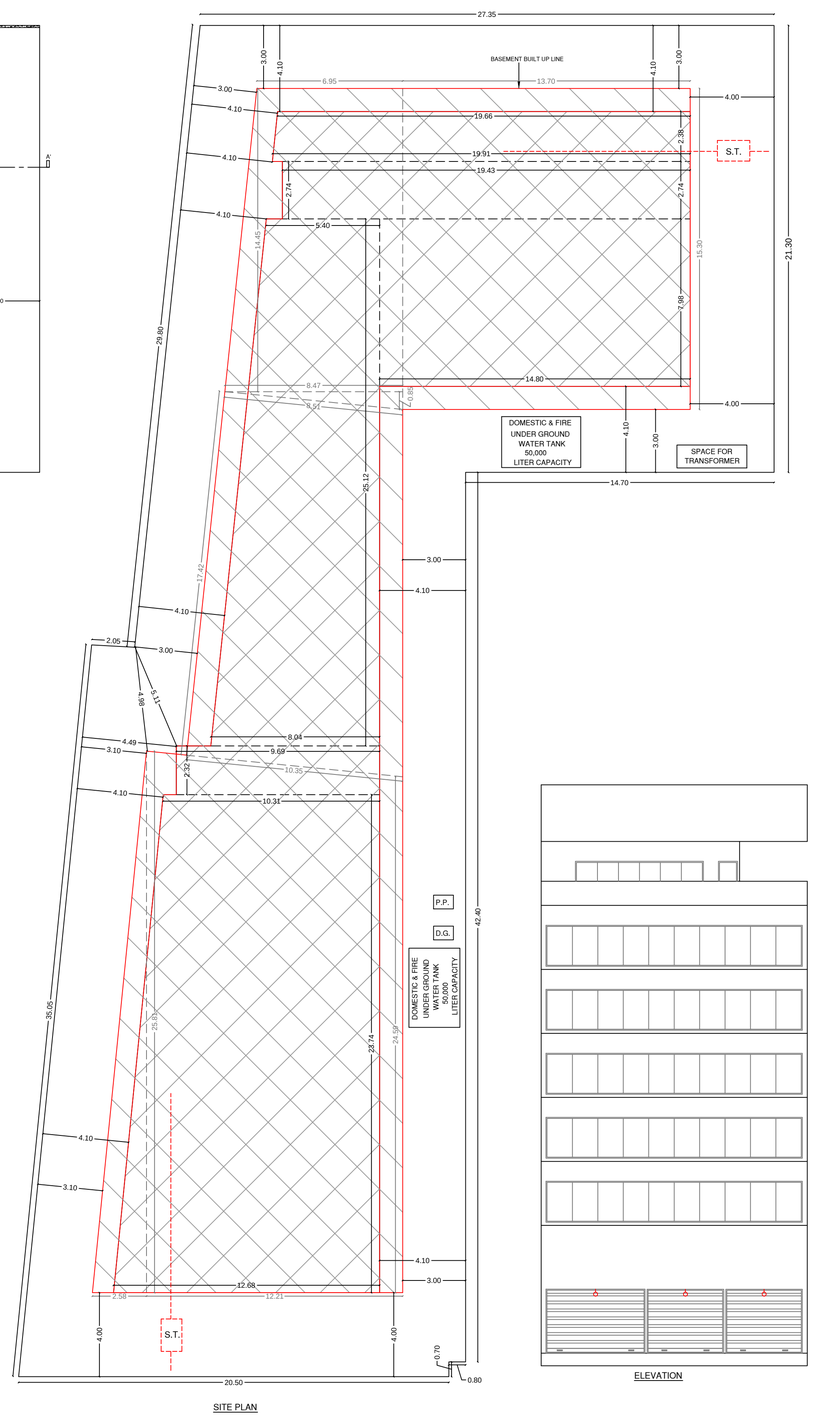
AUTHORITY :



BASEMENT FLOOR



GROUND FLOOR



SITE PLAN

ELEVATION

BUILT UP CALCULATION :-

BASEMENT FLOOR :
(06.95+08.47)/2 X 14.45 = 111.41
13.70 X 15.30 = 209.61
(08.47 X 00.85) / 2 = 03.60
(08.51+10.35)/2 X 17.42 = 164.27
(02.58 X 25.81) / 2 = 33.29
12.21 X (25.81+24.59)/2 = 307.69
TOTAL = 829.87 SQ. MT.

GROUND & TO 5th FLOOR :
(19.66+19.91)/2 X 02.38 = 47.09
19.43 X 02.74 = 53.24
(05.40+08.04)/2 X 25.12 = 168.81
14.80 X 07.98 = 118.10
09.69 X 02.32 = 22.48
(10.31+12.68)/2 X 23.74 = 272.89
TOTAL = 682.61 SQ. MT.

6th FLOOR :
04.23 X 02.02 = 08.54
06.16 X 03.33 = 20.51
04.23 X 01.90 = 08.04
02.16 X 04.02 = 08.68
(07.64+08.04)/2 X 03.83 = 30.03
09.69 X 02.40 = 23.26
(07.10+08.79)/2 X 16.99 = 134.99
03.22 X 16.99 = 54.71
TOTAL = 281.76 SQ. MT.

TERRACE FLOOR :
02.16 X 04.02 = 08.68
(07.64+08.04)/2 X 03.83 = 30.03
03.05 X 02.55 = 07.78
06.64 X 00.23 = 01.53
TOTAL = 48.02 SQ. MT.

F.S.I. B/A CALCULATION :-

GROUND FLOOR :
01.75 X 02.25 = 03.94
13.50 X 13.10 = 176.85
06.79 X 02.40 = 16.30
(10.32+12.68)/2 X 23.66 = 272.09
TOTAL = 469.18 SQ. MT.

6th FLOOR :
(07.10+08.79)/2 X 16.99 = 134.99
TOTAL = 134.99 SQ. MT.

LESS IN F.S.I. CAL. :-

1st TO 5th FLOOR :
02.05 X 02.25 = 04.61
04.13 X 03.00 = 12.39
02.05 X 01.85 = 03.79
02.00 X 08.25 = 16.50
02.00 X 02.00 = 04.00
02.00 X 04.40 = 08.80
02.01 X 02.05 = 04.12
01.93 X 02.05 = 03.96
(05.67+06.04)/2 X 03.60 = 21.08
01.30 X 04.55 = 05.92
01.80 X 00.90 = 01.62
02.90 X 02.40 = 06.96
TOTAL = 93.75 SQ. MT.

PARKING CALCULATION :-

REQ. PARKING :
B/A F.S.I. = SQ. MT.
3548.47 X 40% = 1419.39 SQ. MT.
TOTAL = 1419.39 SQ. MT.

REQ. VISITOR PARKING :
1419.39 X 20%
TOTAL = 283.88 SQ. MT.

PROV. PARKING AT BASEMENT :
(06.66+08.16)/2 X 14.19 = 105.15
13.70 X 15.00 = 205.50
(08.16 X 00.81) / 2 = 03.30
(08.20+10.06)/2 X 17.71 = 161.69
(02.54 X 25.50) / 2 = 32.39
11.92 X (25.50+24.31)/2 = 296.87
TOTAL = 804.90

DEDUCTION :
02.20 X 02.25 = 04.95
01.80 X 03.20 = 05.76
02.20 X 03.00 = 06.60
01.50 X 03.30 = 04.95
04.00 X 02.00 = 08.00
02.08 X 06.05 = 12.58
03.44 X 03.80 = 13.07
01.76 X 01.90 = 03.34
TOTAL = 59.25
TOTAL = 745.65 SQ. MT.

PROV. PARKING AT GROUND F. :
(00.56+00.79)/2 X 02.15 = 01.45
(00.59+00.92)/2 X 03.20 = 02.42
(02.72+02.92)/2 X 01.90 = 05.36
(06.92+07.54)/2 X 05.85 = 42.30
(06.24+07.22)/2 X 09.29 = 62.52
(03.06+03.50)/2 X 04.15 = 13.61
02.00 X 04.00 = 08.00
TOTAL = 135.66
MECH. : 135.66 X 01.50 = 203.49
TOTAL = 203.49 SQ. MT.

PROV. PARKING AT 6th FLOOR :
13.04 X 12.64 = 164.83
04.23 X 05.62 = 23.77
(02.49+04.29)/2 X 17.04 = 57.77
02.47 X 09.52 = 23.51
(02.83+03.25)/2 X 04.02 = 12.22
01.77 X 08.10 = 14.34
02.99 X 16.71 = 49.96
TOTAL = 346.40 SQ. MT.

PROV. PARKING AT TERRACE F. :
01.91 X 02.32 = 04.43
(09.87+11.53)/2 X 16.61 = 177.73
TOTAL = 182.16 SQ. MT.

TOTAL PROVIDED PARKING :
BASEMENT FLOOR = 745.65
GROUND FLOOR = 203.49
6th FLOOR = 346.40
TERRACE FLOOR = 182.16
TOTAL = 1477.70 SQ. MT.

REQ. PARKING 1419.39 SQ. MT. < PROV. PARKING 1477.70 SQ. MT.