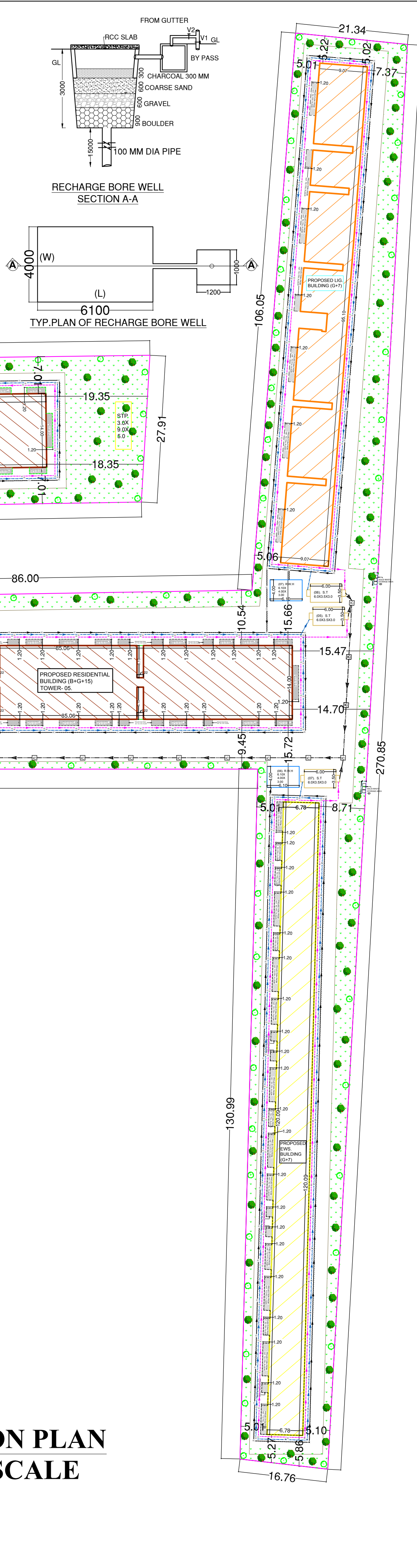
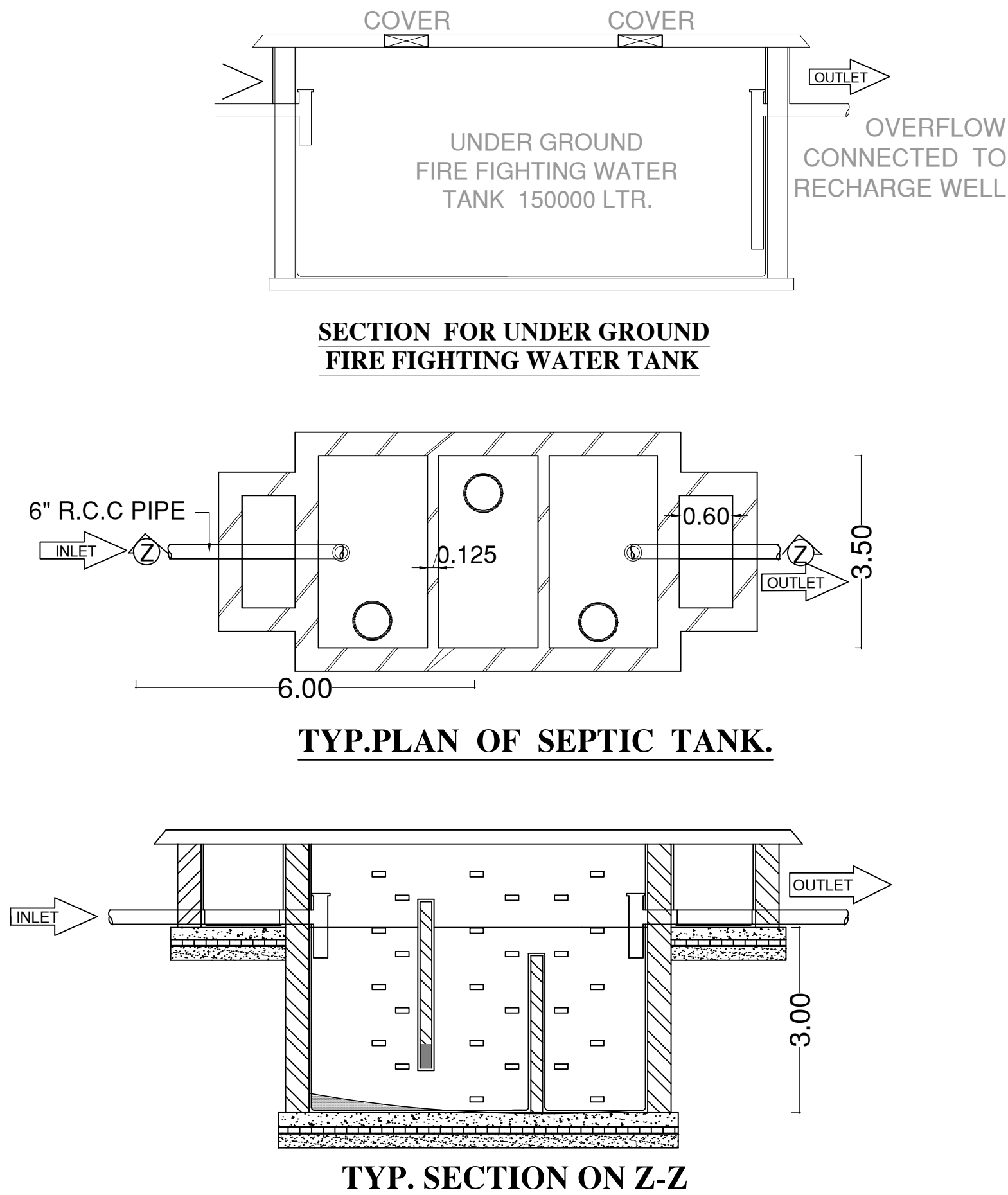
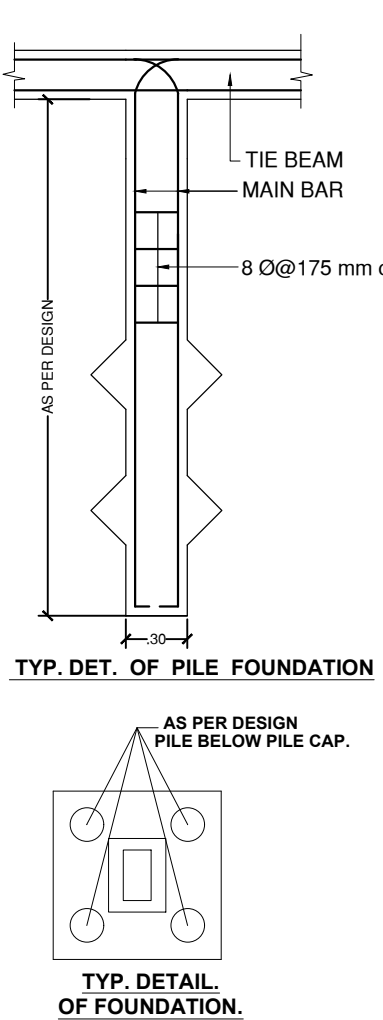
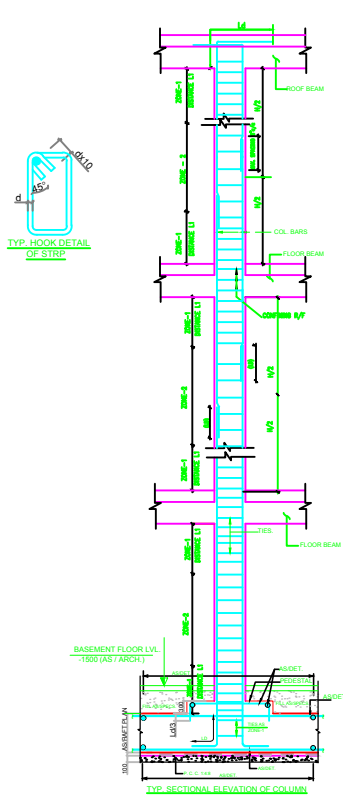
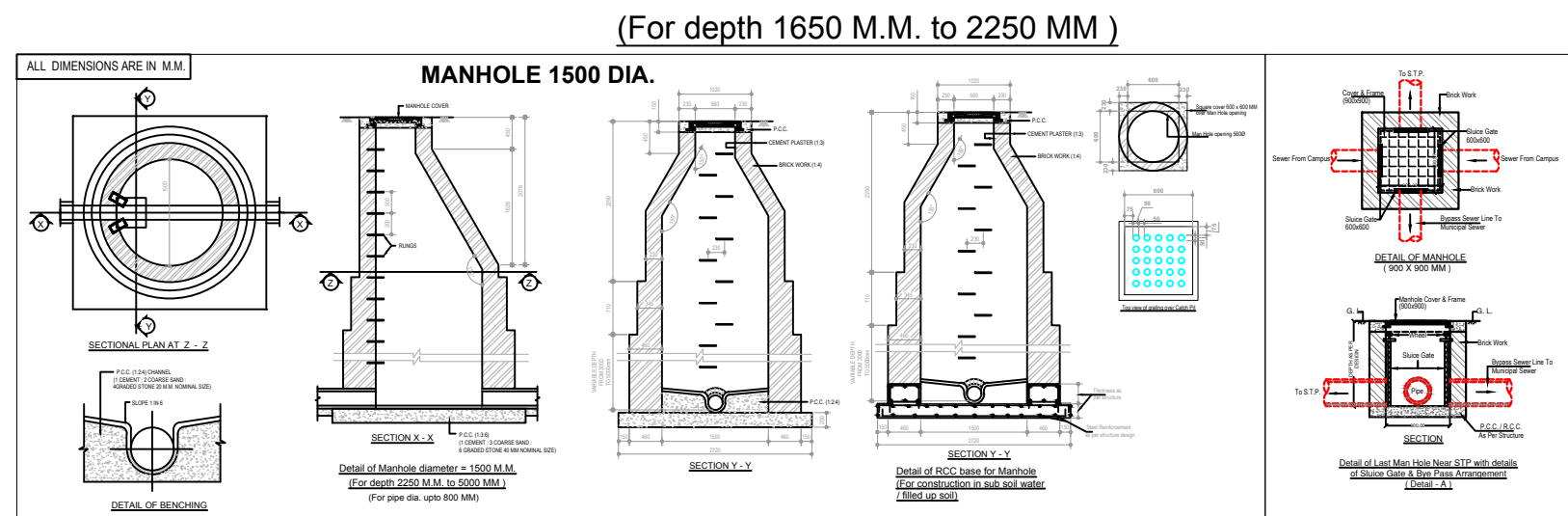
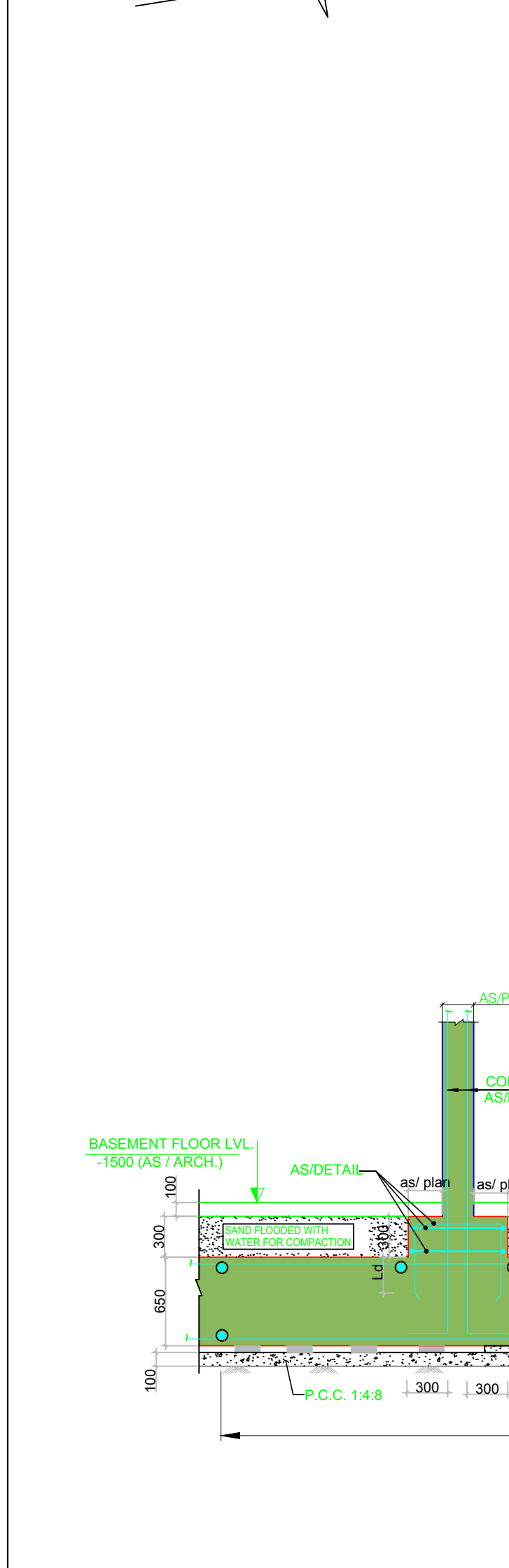


POWER CONSUMPTION	LEGEND	
TOTAL NO. OF FLAT= 830 ONE FLAT/5 KW LOAD GROUND & BASEMENT FLOOR LOAD=70 K.W REQ. LOAD = (830X5)+70= 4220 K.W 5KVA FLAT GENRATOR LOAD REQUIRED TOTAL REQUIRED LOAD=830X0.5=415 KVA. PROVIDED= 4NOS. 125KVA GENERATOR	F.A.R AREA	
	BALCONY AREA	
	GREEN AREA	

STP TANK CALCULATION

TOTAL RAW WATER DEMAND(TWD)= 119.52 CUM
 SAY 120 CUM
 ESTIMATED SEWAGE = 90% OF 120 CUM = 108 CUM
 SPACE REQUIREMENT FOR 108 CUM ,
 SAY 120 CUM
 CONSIDER TOTAL DEPTH 5.30 MTR. INCLUDED
 FREE BOARD 300MM (STANDARD DEPTH)
 LIQUID DEPTH H = 5 M.
 SIZE OF S.T.P = $120/5 = 24$ M
 = 24/3 (LENGTH ASSUMED)
 = 8 M BREATH.
 TOTAL SPACE = $3 \times 8 \times 5 = 120$ CUM
 PROVIDED SIZE = $3 \times 9 \times 5 = 135$ CUM



WATER TANK CALCULATION

TOTAL RESIDENTIAL AREA

TOTAL NO. OF FLAT = 830 FLATS

ONE FLAT 5 PERSON

TOTAL NO OF PERSON = 830X5= 4150 PERSON

ONE PERSON REQU. WATER = 135 LTR./DAY

TOTAL REQU. WATER = 4150X135 = 560250 LTR./DAY

TOTAL COMMERCIAL AREA

TOTAL BUILTUP AREA= 272.72 2 = 1362.36 SQM

TOTAL CARPET AREA= 1362.36 SQM

5 SQM HENCE 1 PERSON, 1362.36 / 5

=272.47 PERSONS, SAY 273 PERSON

1 PERSON PER DAY 45 LTR./DAY 45X273= 12285 LTR. REQ.

TOTAL REQU. WATER FOR FIRE FIGHTING FOR 10000 LTR.

TOTAL REQU WATER = 12285+560250+10000= 582535 LTR

TOTAL REQU. AREA OF WATER TANK = 582.53 CUM

PROVIDE AREA OF WATER TANK

TOWER 1.	(01)	3.10X6.02X1.52=	28.36 CUM..
	(02)	3.98X2.62X1.52=	15.88 CUM.
		TOTAL=	44.24 CUM.
TOWER 2.	(01)	2.44X4.17X1.52=	15.46 CUM.
	(02)	6.32X5.16X1.52=	49.56 CUM.
	(03)	2.44X4.17X1.52=	15.46 CUM.
	(04)	6.32X5.16X1.52=	49.56 CUM.
	(05)	2.44X4.17X1.52=	15.46 CUM.
		TOTAL=	145.55 CUM.
TOWER 3.	(01)	2.44X4.17X1.52=	15.46 CUM.
	(02)	4.45X5.16X1.52=	34.90 CUM.
	(03)	4.45X5.16X1.52=	34.90 CUM.
	(04)	2.44X4.17X1.52=	15.46 CUM.
		TOTAL=	100.72 CUM.
TOWER 4.	(01)	2.44X4.17X1.52=	15.46 CUM.
	(02)	4.45X5.16X1.52=	34.90 CUM.
	(03)	4.45X5.16X1.52=	34.90 CUM.
	(04)	2.44X4.17X1.52=	15.46 CUM.
		TOTAL=	100.72 CUM.
TOWER 5	(01)	2.44X4.17X1.52=	15.46 CUM.
	(02)	4.62X5.16X1.52=	36.23 CUM.
	(03)	6.32X5.16X1.52=	49.56 CUM.
	(04)	4.62X5.16X1.52=	36.23 CUM.
	(05)	2.44X4.17X1.52=	15.46 CUM.
		TOTAL=	152.94 CUM.
LIG.	(01)	2.44X7.04X1.52=	26.10 CUM.
	(02)	2.44X7.04X1.52=	26.10 CUM.
	(03)	2.44X7.04X1.52=	26.10 CUM.
		TOTAL=	78.30 CUM.
EWS.	(01)	2.44X4.34X1.52=	16.09 CUM.
	(02)	2.13X4.50X1.52=	14.56 CUM.
	(03)	6.20X4.75X1.52=	44.76 CUM.
	(04)	2.13X4.50X1.52=	14.56 CUM.
	(05)	2.44X4.34X1.52=	16.09 CUM.
		TOTAL=	106.06 CUM.

TOTAL PROVIDED ALL WATER TANK SIZE

= 44.24+145.58+100.72+100.72+152.94+78.30+106.06

= 728.56 CUM.

RAIN WATER HARVESTING CALCULATION

TOTAL TERRACE AREA = 7671.99 SQM

REQU. AREA FOR RAIN WATER

HARVESTING = 6 CUB. M / 100 SQ.M.

TOTAL REQU. AREA FOR RAIN WATER HARVESTING =

7671.99 SQM / 76.71 X 6 = 480.26 CUB. M.

PROVIDED SIZE = 6.10X4.0 X 73.20X7 = 32.03 CUB. M.

7 Nos = 73.20X7 = 512.40 CUB.M.

TOTAL PROVIDED TANK SIZE= 512.40 CUB.M.

TOTAL PLOT AREA = 21546.99 SQM

REQU. GREEN AREA @ 20%

= 4309.39 SQM.

TOTAL PROVIDED SOFT GREEN AREA = 4519.47 SQMT.

= 20.97 %

AREA STATEMENT		SPECIFICATION	
TOTAL PLOT AREA AS/SITE TOWER-01	= 21546.99 SQM.	1. R.C.G IN REMMED PILE FOUNDATION AS PER DETAIL GIVEN IN THIS DRAWING.	
GROUND FLOOR B/U AREA	= 340.59 SQM.	2. 1ST CLASS BRICK WORK IN CEMENT MORTAR(1:6) IN SUPER STRUCTURE.	
1ST FLOOR B/U AREA	= 340.59 SQM.	3. HEIGHT OF FLINTH FLOOR AREA SHOWN IN SECTION.	
2ND FLOOR B/U AREA	= 340.59 SQM.	4. 0.03 I.P.S. FLOORING OVER 0.75 DRY REMMED KHOA . OVER FLAT BRICK SOLING OVER LOCAL SAND FILLING.	
3RD FLOOR B/U AREA	= 340.59 SQM.	5. 0.050 TH D.P.C. ON P.L. ALL ROUND THE BUILDING.	
4TH FLOOR B/U AREA	= 340.59 SQM.	6. 0.110 TH LIME CONCRETE OVER 0.100TH R.C.C. SLAB.	
5TH FLOOR B/U AREA	= 340.59 SQM.	7. 0.15 TH R.C.C. BAND AT DOORS & WINDOWS OPENINGS.	
6TH FLOOR B/U AREA	= 340.59 SQM..	8. 0.12 CEMENT PLASTER ON BOTH SIDE OF WALL.	
TOTAL ALL FLOOR B/U AREA =	= 2724.72 SQM.	9. WHITE & COLOUR WASH AS PER CHOICE.	
TOWER-02		SEPTIC TANK CALCULATION	
BASEMENT FLOOR B/U AREA	= 29.81 SQM.	RESIDENTIAL	
GROUND FLOOR B/U AREA	= 66.78 SQM.	TOTAL NO. OF FLAT = 830	
1ST FLOOR B/U AREA	= 2005.38 SQM.	ONE FLAT 5 PERSON	
2ND FLOOR B/U AREA	= 2005.38 SQM.	TOTAL NO. OF PERSON = 830X 5 =4150	
3RD FLOOR B/U AREA	= 2005.38 SQM.	COMMERCIAL	
4TH FLOOR B/U AREA	= 2005.38 SQM.	TOTAL BUILTUP AREA= 2724.72 /2 = 1362.36 SQM	
5TH FLOOR B/U AREA	= 2005.38 SQM.	TOTAL CARPET AREA= 1362.36 SQM	
6TH FLOOR B/U AREA	= 2005.38 SQM.	HERE +1362.36 S = 272.47 PERSONS, SAY 273 PERSON	
7TH FLOOR B/U AREA	= 2005.38 SQM.	TOTAL NO. OF PERSON = 4150-273 = 4423	
8TH FLOOR B/U AREA	= 2005.38 SQM.	ONE PERSON REQ. AREA = 0.085 C./DAY	
9TH FLOOR B/U AREA	= 2005.38 SQM.	TOTAL REQ.U. AREA =4423 X 0.085 = 375.95 CUM/DAY	
10TH FLOOR B/U AREA	= 2005.38 SQM.	PROVIDE AREA OF SEPTIC TANK	
TOTAL ALL FLOOR B/U AREA =	= 20150.39 SQM.	(SIZE) =6.00X3.50X3.00 = 63X7= 441 CUM	
TOWER-03		PARKING CALCULATION	
BASEMENT FLOOR B/U AREA	= 24.30 SQM.	TOTAL PLOT AREA = 65594.02 SQM.	
GROUND FLOOR B/U AREA	= 49.06 SQM.	TOTAL SERVICE AREA @15% = 9839.10 SQM.	
1ST FLOOR B/U AREA	= 1215.02 SQM.	TOTAL AREA = 55754.92 SQM.	
2ND FLOOR B/U AREA	= 1215.02 SQM.	TOTALREQ. PARKING AREA@25%	
3RD FLOOR B/U AREA	= 1215.02 SQM.	= 13938.73 SQM.	
4TH FLOOR B/U AREA	= 1215.02 SQM.	TOTAL PROVIDED PARKING AREA	
5TH FLOOR B/U AREA	= 1215.02 SQM.	AREA AT GROUND FLOOR = 7448.68 SQM.	
6TH FLOOR B/U AREA	= 1215.02 SQM.	AREA AT BASEMENT FLOOR=+ 7559.77 SQM.	
7TH FLOOR B/U AREA	= 1215.02 SQM.	TOTAL PROVIDED AREA = 15008.45 SQM.	
8TH FLOOR B/U AREA	= 1215.02 SQM.	REQ. TOTAL NO. OF CARS= 620 NOS.	
9TH FLOOR B/U AREA	= 1215.02 SQM.	PROVIDED TOTAL NO. OF CARS= 754 NOS.	
10TH FLOOR B/U AREA	= 12223.56 SQM.		
TOWER-04		PLOT DETAILS .	
BASEMENT FLOOR B/U AREA	= 10.94 SQM.	PROPOSED COMMERCIAL CUM RESIDENTIAL BUILDING FOR ASHIRWAD ENGICON PVT. LTD. THROUGH ITS DIRECTOR SRI AJAY SINGH	
GROUND FLOOR B/U AREA	= 35.43 SQM.	S/O LATE JAG NARAYAN SINGH AT MAUZA - PAINAL	
1ST FLOOR B/U AREA	= 1215.02 SQM.	PLOT NO. - 8394, 8386, 8385, 8647, 8648, 8649, 8650, 8658, 8659	
2ND FLOOR B/U AREA	= 1215.02 SQM.	KHATA NO - 1536, 2309, 2317, 2330, 2038, 724, 704	
3RD FLOOR B/U AREA	= 1215.02 SQM.	THANA NO - 70	
4TH FLOOR B/U AREA	= 1215.02 SQM.	THANA- BIHTA	
5TH FLOOR B/U AREA	= 1215.02 SQM.	DIST- PATNA.	
6TH FLOOR B/U AREA	= 1215.02 SQM.		
7TH FLOOR B/U AREA	= 1215.02 SQM.		
8TH FLOOR B/U AREA	= 1215.02 SQM.		
9TH FLOOR B/U AREA	= 1215.02 SQM.		
10TH FLOOR B/U AREA	= 1215.02 SQM.		
TOTAL ALL FLOOR B/U AREA =	= 12196.57 SQM.		
TOWER-05			
BASEMENT FLOOR B/U AREA	= 24.30 SQM.		
GROUND FLOOR B/U AREA	= 49.18 SQM.		
1ST FLOOR B/U AREA	= 1215.02 SQM.		
2ND FLOOR B/U AREA	= 1215.02 SQM.		
3RD FLOOR B/U AREA	= 1215.02 SQM.		
4TH FLOOR B/U AREA	= 1215.02 SQM.		
5TH FLOOR B/U AREA	= 1215.02 SQM.		
6TH FLOOR B/U AREA	= 1215.02 SQM.		
7TH FLOOR B/U AREA	= 1215.02 SQM.		
8TH FLOOR B/U AREA	= 1215.02 SQM.		
9TH FLOOR B/U AREA	= 1215.02 SQM.		
10TH FLOOR B/U AREA	= 1215.02 SQM.		
11TH FLOOR B/U AREA	= 1215.02 SQM.		
12TH FLOOR B/U AREA	= 1215.02 SQM.		
13TH FLOOR B/U AREA	= 1215.02 SQM.		
14TH FLOOR B/U AREA	= 1215.02 SQM.		
15TH FLOOR B/U AREA	= 1215.02 SQM.		
TOTAL ALL FLOOR B/U AREA =	= 18298.78 SQM.		
TOTAL ALL B/U AREA (TOWER-1+TOWER-2+TOWER-3+TOWER-4+TOWER-5)=	= 65594.02 SQM.		
F.A.R. = 3.04			
LIG/EWS. AREA CALCULATION			
LIG.			
GROUND FLOOR B/U AREA	= 35.47 SQM.		
1ST FLOOR B/U AREA	= 819.05 SQM.		

2ND FLOOR B/U AREA	=	818.05 SQM.
3RD FLOOR B/U AREA	=	818.05 SQM.
4TH FLOOR B/U AREA	=	818.05 SQM.
5TH FLOOR B/U AREA	=	818.05 SQM.
6TH FLOOR B/U AREA	=	818.05 SQM.
7TH FLOOR B/U AREA	=	818.05 SQM.
TOTAL ALL FLOOR B/U AREA	=	5761.82 SQM.
EWS:		
GROUND FLOOR B/U AREA	=	60.41 SQM.
1ST FLOOR B/U AREA	=	862.91 SQM.
2ND FLOOR B/U AREA	=	862.91 SQM.
3RD FLOOR B/U AREA	=	862.91 SQM.
4TH FLOOR B/U AREA	=	862.91 SQM.
5TH FLOOR B/U AREA	=	862.91 SQM.
6TH FLOOR B/U AREA	=	862.91 SQM.
7TH FLOOR B/U AREA	=	862.91 SQM.
TOTAL ALL FLOOR B/U AREA	=	6100.78 SQM.
TOTAL B/U AREA	=	11862.60 SQM.
LIG./EWS AREA IN %		
TOTAL ALL BLOCK B/U AREA	=	65512.71 SQM
TOTAL LIG. B/U AREA	=	5761.82 SQM = 8.79 %
TOTAL EWS. B/U AREA	=	6100.78 SQM = 9.31 %