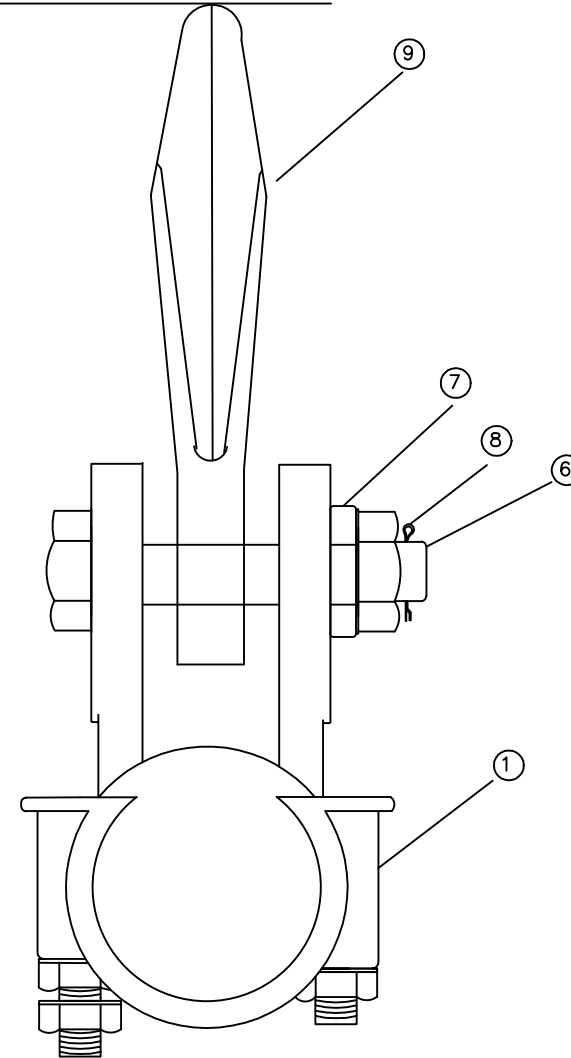
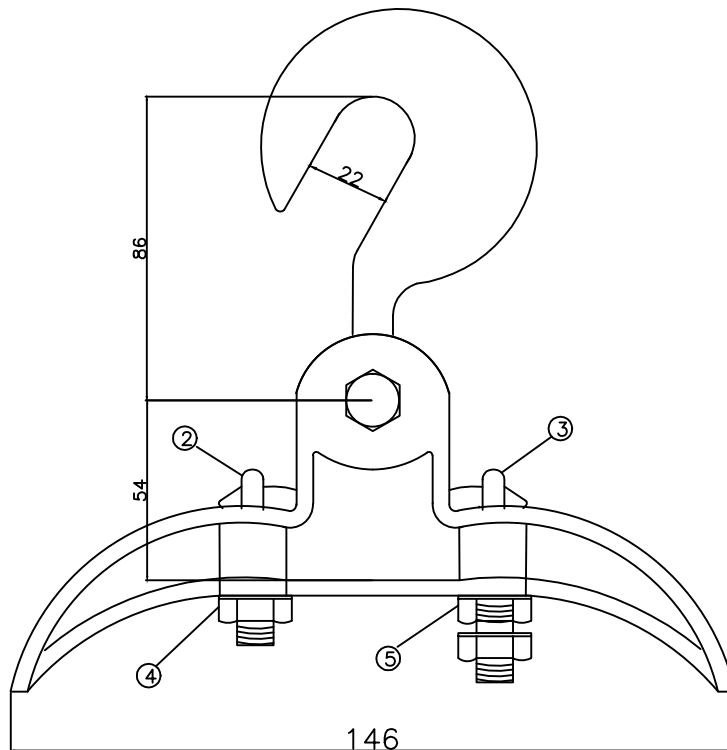


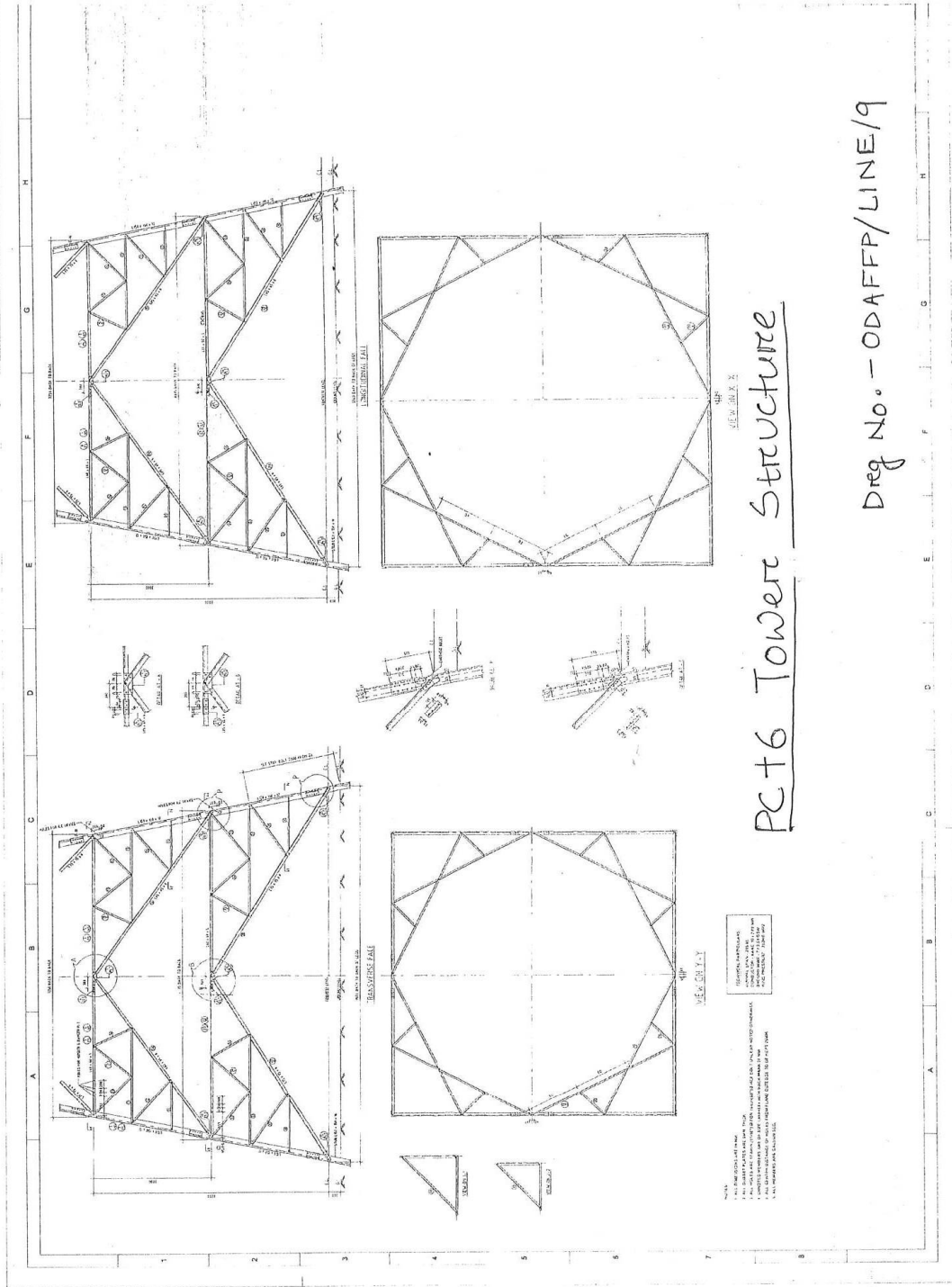
SUSPENSION ASSEMBLY FOR EARTHWIRE

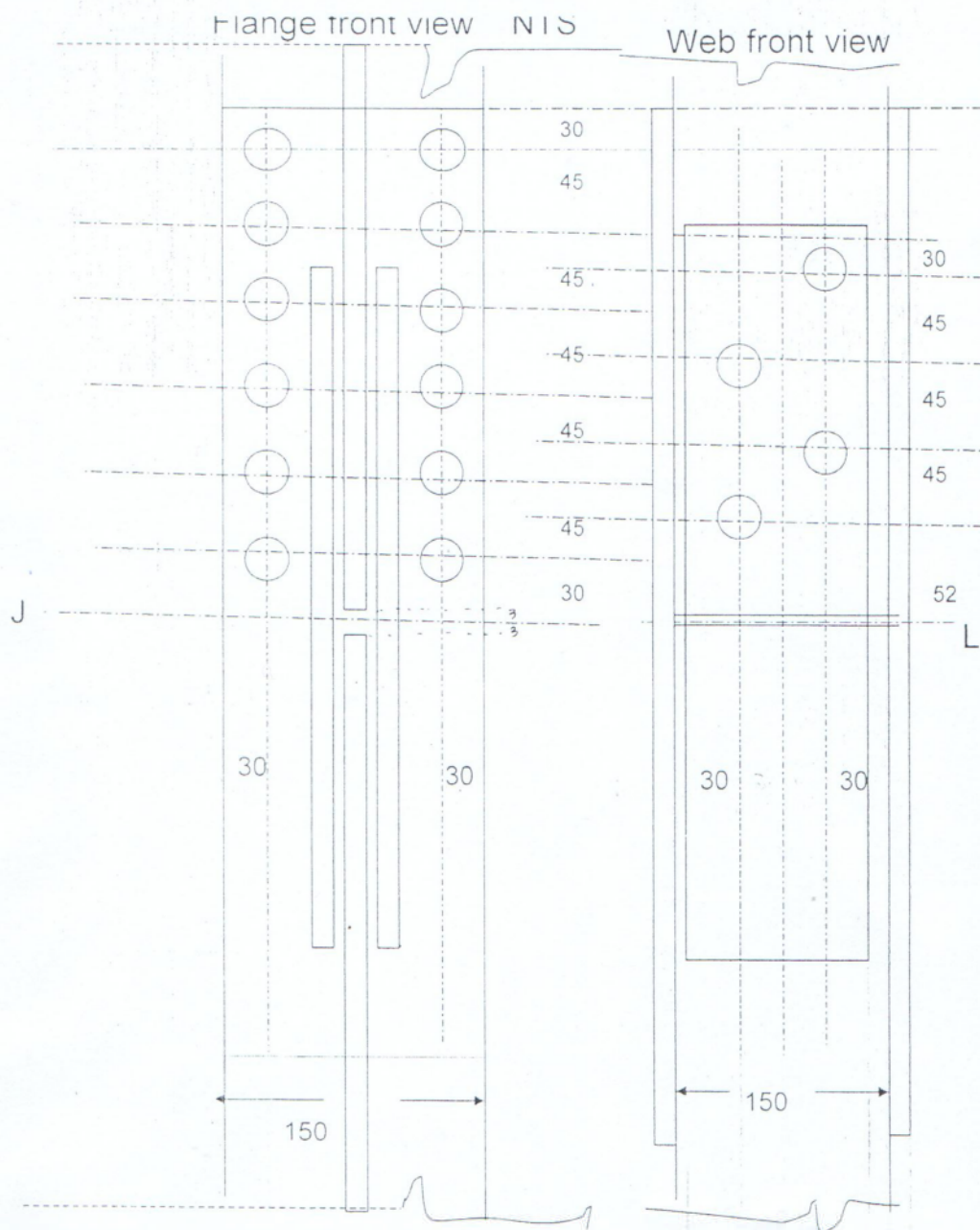


SL.	DESCRIPTION	MATERIAL	CAT NO.	QTY.
1.	CLAMP & KEEPER	MALLEABLE CAST IRON GALVANISED	B-11	1
2.	U BOLT WITH NUTS ,M12	GALVANISED STEEL		1
3.	J BOLT WITH NUTS ,M12	GALVANISED STEEL		1
4.	FLAT WASHER M12	GALVANISED STEEL		1
5.	SPRING WASHER,M12	SPRING STEEL ELECTRO GALV		4
6.	EYE HOOK	FORGED STEEL GALVANISED		6
7.	BOLTS WITH NUTS,M16	GALVANISED STEEL	S-4	1
8.	FLAT WASHER,M16	GALVANISED STEEL		1
9.	SPLIT PIN	STAINLESS STEEL/BRASS		1

NOTES:-
 GENERAL TOLERANCE $\pm 2\%$ UNLESS OTHERWISE SPECIFIED.APPLICABLE
 STANDARD IS: 2486 PART-I
 FERROUS PART IS HOT DIP GALVANISED AS PER IS: 2629 MINIMUM
 BREAKING STRENGTH 7000 KG SPRING WASHER ARE ELECTRO
 GALVANISED FLAT WASHER ARE HOT DIP GALVANISED SUITABLE FOR
 EARTHWIRE 7/3.15 MM.

Drg No-ODAFFP/LINE/8





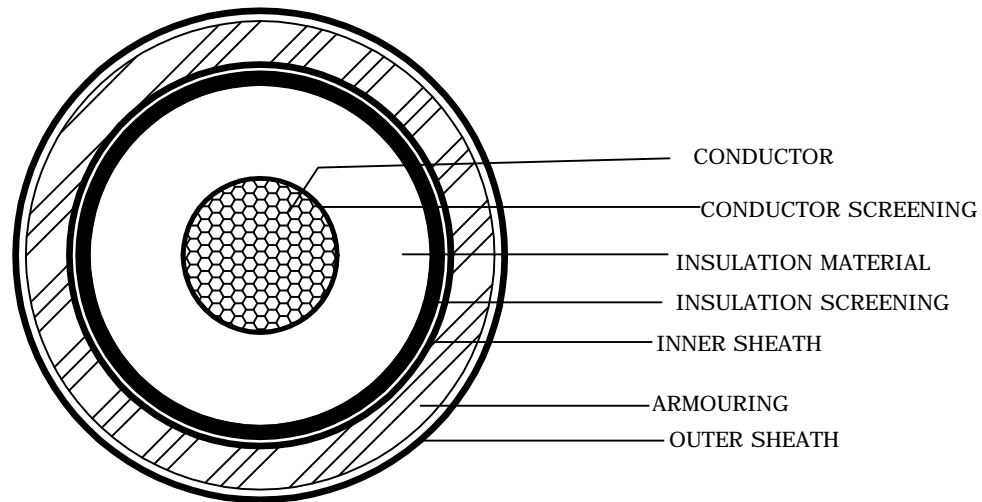
Length of Flange plate- $2 \times (3 + 2 \times 30 + 5 \times 45) = 576 \text{ mm} \times 12 \text{ mm}$

Length of Web plate - $2 \times (3 + 52 + 3 \times 45 + 30) = 440 \text{ mm} \times 12 \text{ mm}$

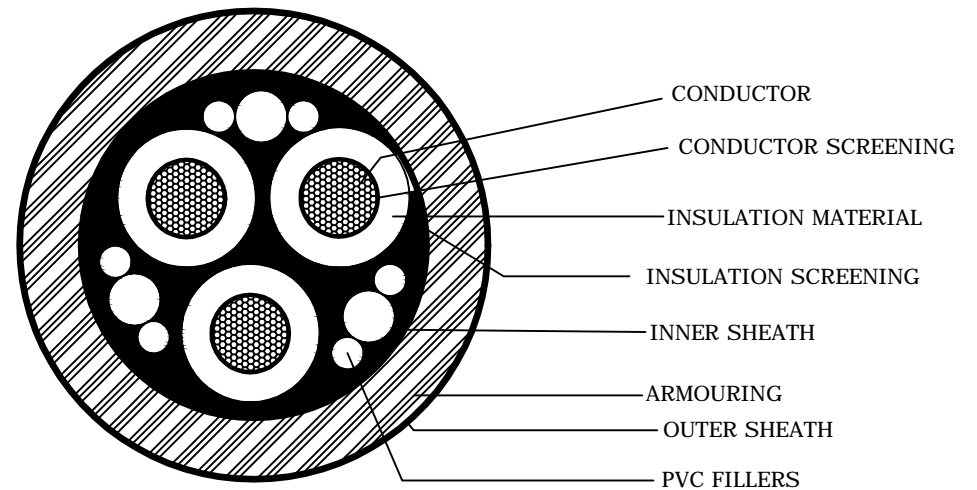
JL- Joint line

(Joining of GI R.s Joist Plate)

DRG No-0DAFF/LINE/10

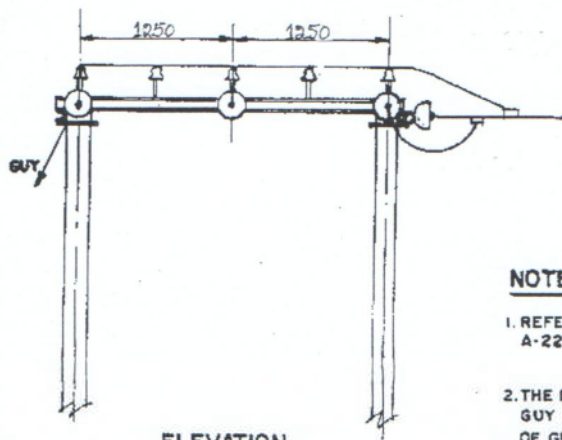


CROSS-SECTIONAL VIEW OF 11kV/33kV
1C, ARMOURED CABLE



CROSS-SECTIONAL VIEW OF
11kV/33kV 3C, ARMOURED CABLE

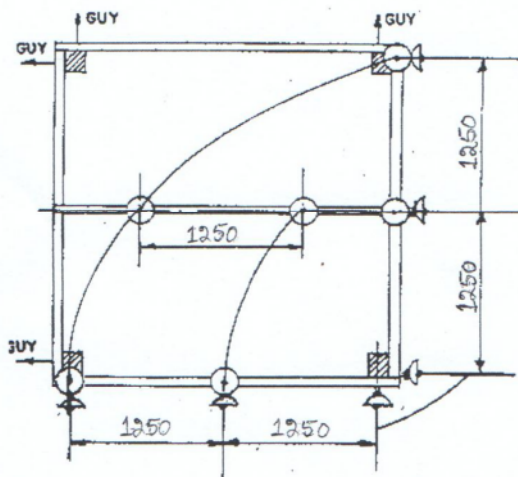
Drg No.-ODAFFP/LINE/11



ELEVATION

NOTE:-

1. REFER REC CONSTRUCTION STANDARD A-22 FOR TYPE OF POLE TO BE USED.
2. THE DRAWING INDICATES THE POSITION OF GUY CLAMP ON THE POLE. THE DIRECTION OF GUY WIRE SHALL BE SUCH AS TO COUNTERACT THE RESULTANT TENSIONS OF THE CONDUCTORS.
3. GUY ANGLE SHALL BE 30° TO 45°

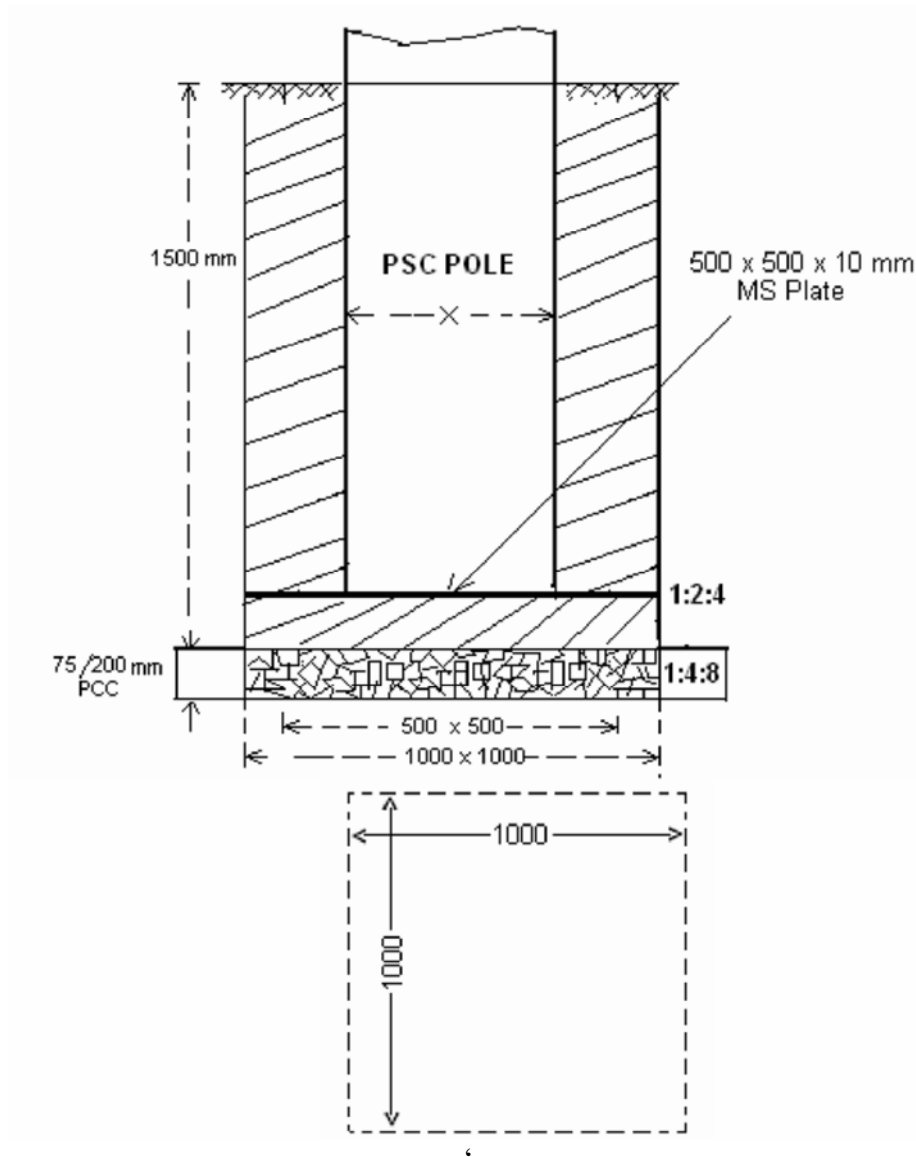


PLAN

(11KV Line Conductor Formation & Arrangement of Guys for 60 to 90° angle location)

Doc. No - ODAFFP/LINE/12

CONCRETING OF PSC POLES



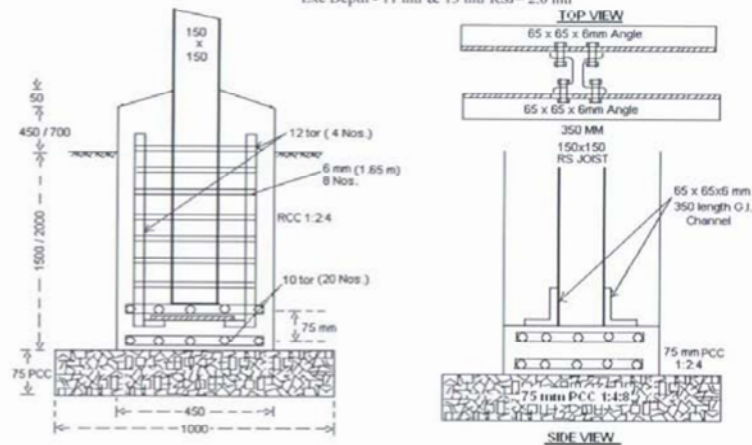
ALL PCC - 1:3:6 & RCC - 1:1.5:3, All EXCAVATION – 2 Mt.

DRG NO.- ODAFFP /CIVIL/1

FOUNDATION FOR RS JOIST POLE

Exc Depth- 9 mtr & 10 mtr RSJ= 1.5 mtr

Exc Depth - 11 mtr & 13 mtr RSJ= 2.0 mtr



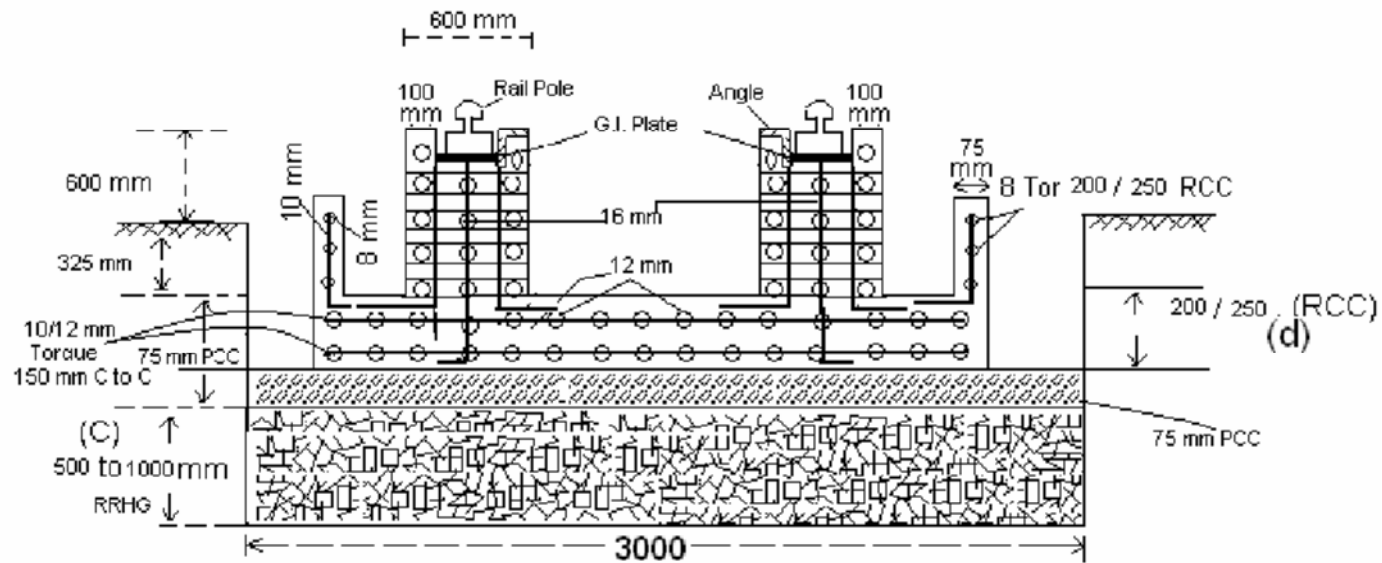
FOUNDATION FOR RS JOIST POLE							
	RS JOIST- 9 Mtr & 10 Mtr				RS JOIST- 11 Mtr & 13 Mtr		
	Urban Area		Rural Area		Urban Area		Rural Area
1 Excavation	1 x 1 x 1.575	= 1.575 cum		= 1.575 cum	1 x 1 x 2.075	= 2.075 cum	= 2.08 cum
2 PCC (1:4:8)	1 x 1 x 0.075	= 0.075 cum		= 0.075 cum		= 0.075 cum	= 0.08 cum
3 RCC (1:2:4)	0.45 x 0.45 x 1.950	= 0.39 cum	0.45x 0.45x2.25	= 0.46 cum	0.45 x 0.45 x 2.45	= 0.50 cum	0.45x 0.45x2.75 = 0.56 cum
4 ROD :10 Tor	0.4 mtr x 20nos x 0.617 kg	= 5 Kg.		= 5 Kg.	0.4mx20nosx0.617kg	= 5 Kg.	= 5 Kg.
12 Tor	2.25 mtr x 4 nox0.888 kg	= 8.01 Kg.	2.5mx4nox0.888kg	= 8.9 Kg.	2.75mx4nox0.89kg	= 9.79 Kg.	3.0mx4nox0.89kg = 10.7 Kg.
6 mm	1.65 x 8 no. x 0.22	= 2.90 Kg.	1.65 x 9 no. x 0.22	= 3.26 Kg.	1.65 x 10 no. x 0.22	= 3.63 Kg.	1.65x11no.x0.22 = 4.000 Kg.
Total Rod		= 15.85 Kg.		= 17.16 Kg.		= 18.42 Kg.	= 19.68 Kg.
5 Angle (65x65x6 mm)	350 mm x 2no. x 5.8 kg.	= 4.06 Kg.		= 4.06 Kg.	350mmx2no x5.8kg.	= 4.06 Kg.	= 4.06 Kg.

N.B.: 1. Side concrete should be 40 mm above pedestra;
2. Plain side clips 2 No.-65 x 65 x 6mm x 350 mm length each clip should have 2 no. 16 mm x 30 mm size bolts with pack end spring washers.

ALL PCC - 1:3:6 & RCC - 1:1.5:3, All EXCAVATION – 2 Mt

DRG NO. - ODAFFP /CIVIL/2

TRANSFORMER FOUNDATION

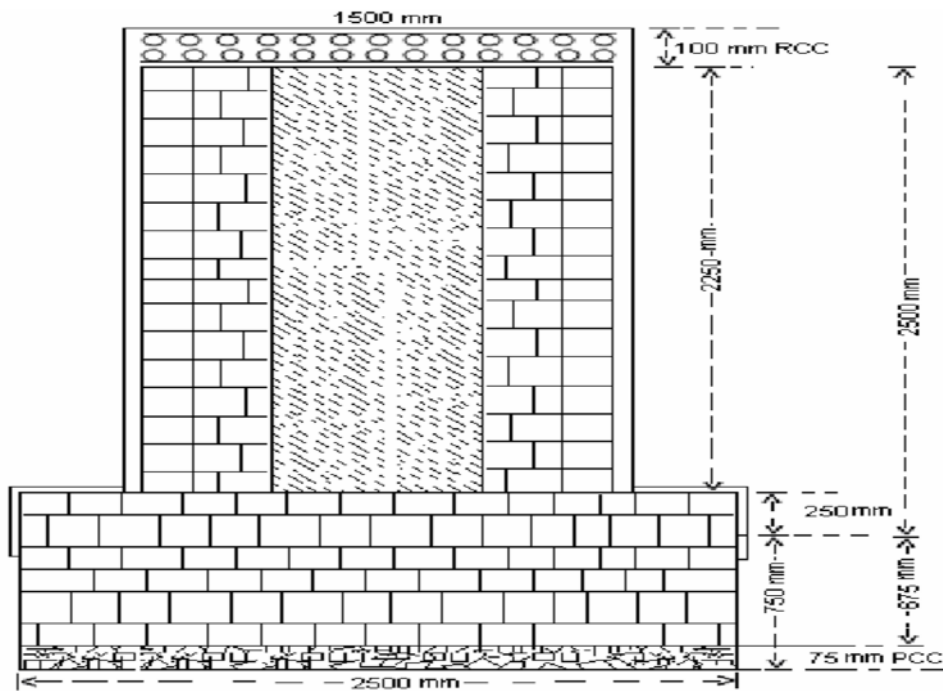


RAIL TO RAIL DISTANCE-1510 MM FOR 3.15 MVA & 5 MVA TRANSFORMERS,
1600MM FOR 8 MVA TRANSFORMERS.

ALL PCC - 1:3:6 & RCC - 1:1.5:3, All EXCAVATION – 2 Mt

DRG NO.- ODAFFP /CIVIL/3

Transformer Foundation for 100 KVA



ALL PCC - 1:3:6 & RCC - 1:1.5:3, All EXCAVATION – 2 Mt

BRICK WORK-1:6 MTR

DRG NO. - ODAFFP /CIVIL/4.

FOUNDATION DETAILS FOR 33kV VCB WITH CT FOUNDATION AT SOURCE S/S

