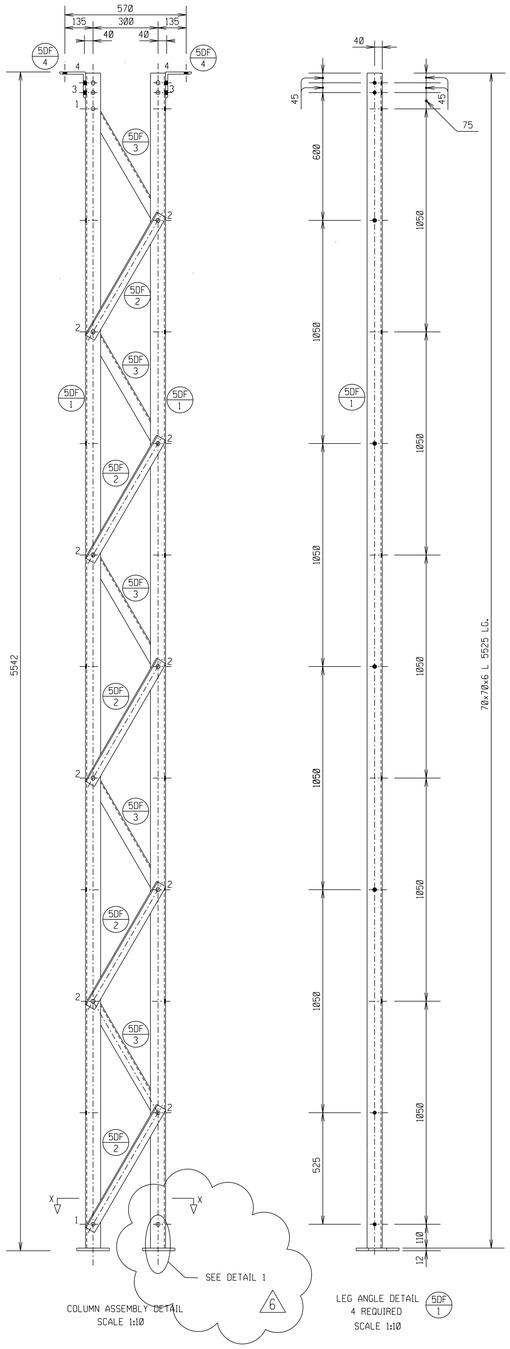
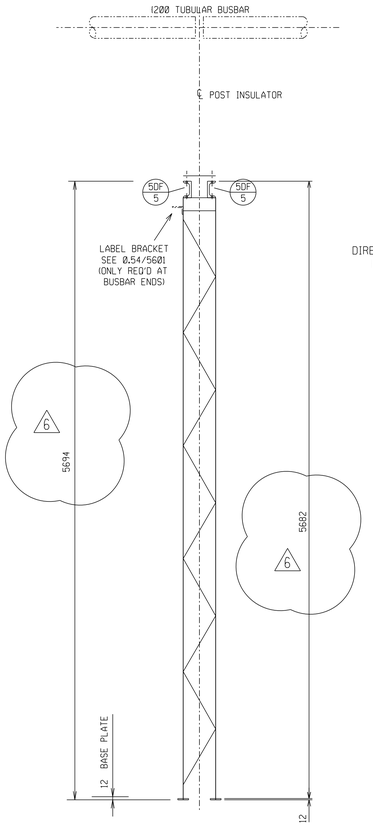


COLUMN ASSEMBLY DETAIL
SCALE 1:10

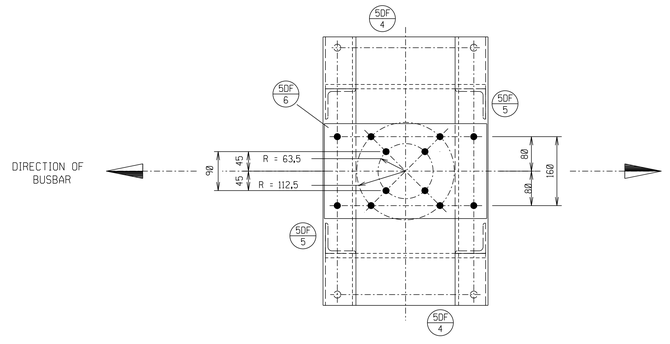
SEE DETAIL 1

LEG ANGLE DETAIL 50F/1
4 REQUIRED
SCALE 1:10



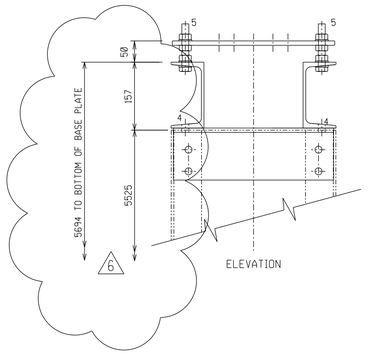
SINGLE PHASE ARRANGEMENT OF 132kV
TUBULAR BUSBAR SUPPORT

SCALE 1:20

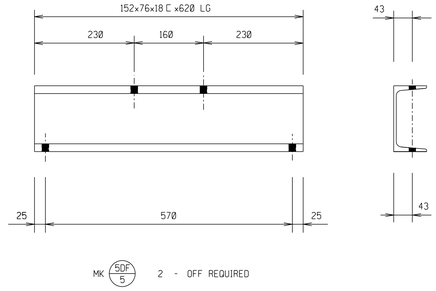


PLAN

POST INSULATOR CAP ASSEMBLY
SCALE 1:5



ELEVATION



Mk 50F 5 2 - OFF REQUIRED

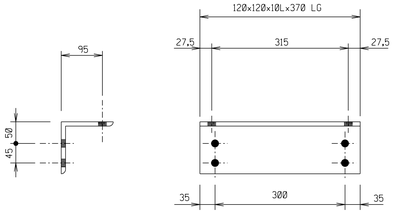
SCALE 1:5

MASS SCHEDULE	
STEELWORK	247,5Kg
BOLTS AND WASHERS	8,5Kg
TOTAL	256Kg

BOLT SCHEDULE				
STRENGTH GRADE 4.8				
MARK	TYPE	LENGTH	No OFF	WASHERS PER BOLT
1	M 16	30	8	1 FLAT
2	M 16	35	36	1 FLAT
3	M 16	40	8	1 FLAT
4	M 16	45	4	1 FLAT 1 BEVEL
5	M 16	100	4	3 FLAT 1 BEVEL

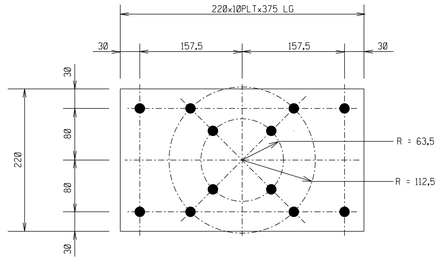
NOTES ON BOLTS:

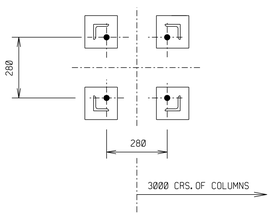
1) BOLTS TO BE SUPPLIED WITH NUT AND WASHER.
2) BOLTS ERECTED WITH HEAD TO INSIDE PREFERED.
3) WASHER TO BE PLACED UNDER NUT.
4) ALL BOLTS TO BE HD GALVANISED.
5) BEVEL WASHERS REQ'D WHERE BOLTS ARE USED ON CHANNEL SECTIONS.



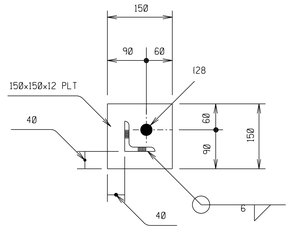
CAP PLATE 50F 6

1 REQUIRED
SCALE 1:3





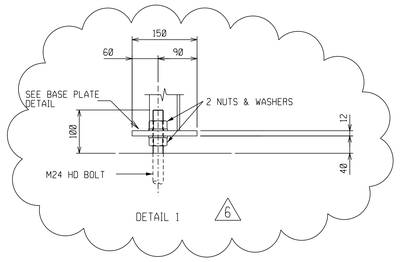
BASE LAYOUT
SECTION "X X"
SCALE 1:10



ENLARGED DETAIL OF BASE PLATE

4 REQUIRED
SCALE 1:5

COLUMN CONNECTION ANGLES
2 REQUIRED
SCALE 1:5
50F 4



DETAIL 1

LACING/BRACING SHEDULE										
MARK	NØ ØFF	TYPE	A	B	C	D	E	F
50F/2	20	45 x 45 x 3	665	605	30	25	0	0
50F/3	20	45 x 45 x 3	665	605	30	25	15	20

NOTES:

1 - ALL WELDING AND WELDING SYMBOLS SHALL CONFORM TO SABS Ø44 PART 1 TO PART 5.
2 - ALL STRUCTURAL USE OF STEEL TO CONFORM TO SABS Ø162. GRADE OF STEEL TO BE TO SABS 1431 GRADE 300WA.
3 - STEELWORK TO BE HOT DIP GALVANIZED TO SABS ISO 1461.
4 - ALL HOLES 18 DIA. UNLESS OTHERWISE STATED.
5 - ALL BOLTS SECURING EQUIPMENT TO THIS STRUCTURE, TO BE SUPPLIED BY EQUIPMENT CONTRACTOR.
6 - H.D. BOLTS COMPLETE WITH NUT AND WASHER TO BE SUPPLIED BY CIVIL CONTRACTOR.
7 - ALL BOLTS & NUTS TO CONFORM TO SABS 135. STRENGTH GRADE 4.8.

REV	AUTH. MAG	DATE DATUM	REVISION/REVISIES INDEX REF/INDEKSVERW	BY DEUR	CHKD NAGES	REFERENCE DRAWINGS VERWYSINGSTEKENINGE
6	D.J.S	25.06.13	DIMENSIONS ADDED & REVISED AND DETAIL 1 ADDED	PHD	D.J.S	
5	D.J.S	18.JUN.13	DIMENSIONS & BASE PLATE THICKNESS REVISED	PHD	D.J.S	
4	D.J.S.	26.2.94	ITEM 4 DIMENSIONS REVD & HOLES REMOVED. ITEM 5 REVD - HOLES REMOVED. PLAN VIEW OF PI CAP ASSEMBLY - DIRECTION OF BUSBAR INDICATED. ARRGT OF TUB BUSBAR SUPPORT - LABEL BRACKET & TUBULAR BUSBARS SHOWN.	C.H.	A.D.	
3	D.J.S	17/93	ITEM 6 & HOLES ADDED.	A. D.	A. D.	
2	D.J.S	86/93	ITEMS 4 AND 5 REVD - HOLES ADDED.	A. D.	A. D.	
1	D.J.S	3/93	BASEPLATE AND HOLE SIZE CHANGED	DBN	D.J.S	
Ø			FIRST ISSUE / EERSTE UITREIKING			4319 FOUNDATIONS

DRG.TEK REGISTR				
CHKD NAGES	A.J.S.G.	30.6.1993	ESKOM	132 kV TUBULAR BUSBAR SUPPORT STEELWORK (EQUIPMENT ON 127 OR 225 PCD'S)
DRAWN GETEKEN	I.MILL	30.6.1993		
SCALE SKAAL	C.H. AS SHOWN	27.4.93	APPROVED M.van den ENDE 30.06.93	GOEDGEKEUR K.M. PEACOCKE 02.07.93

0.54/4320 REV 6

SIZE GROOTTE A0L

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