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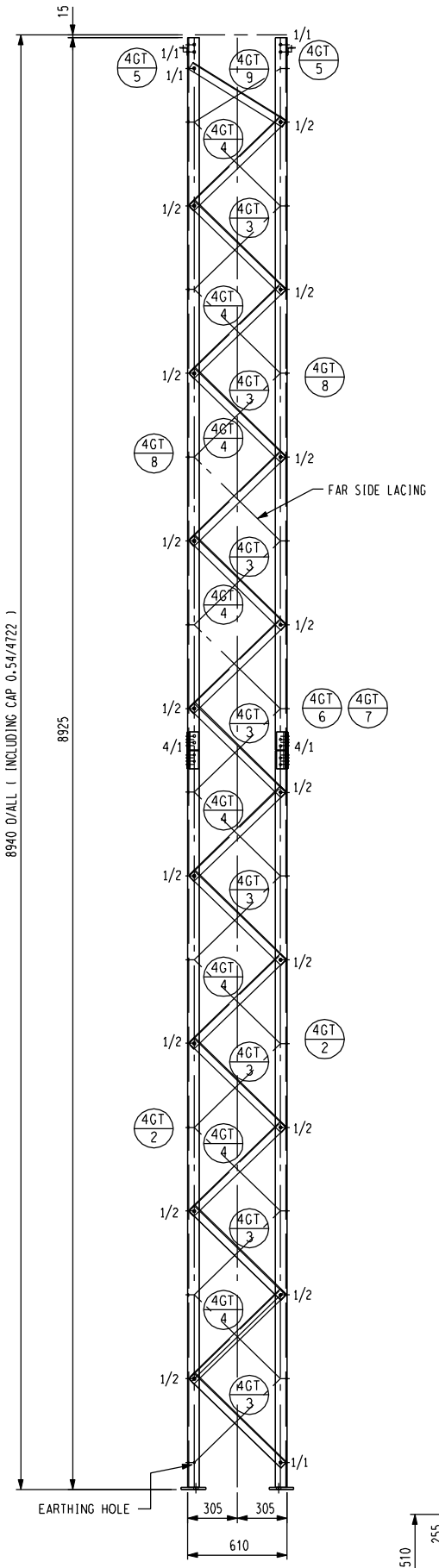
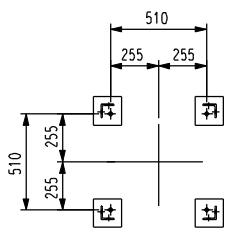
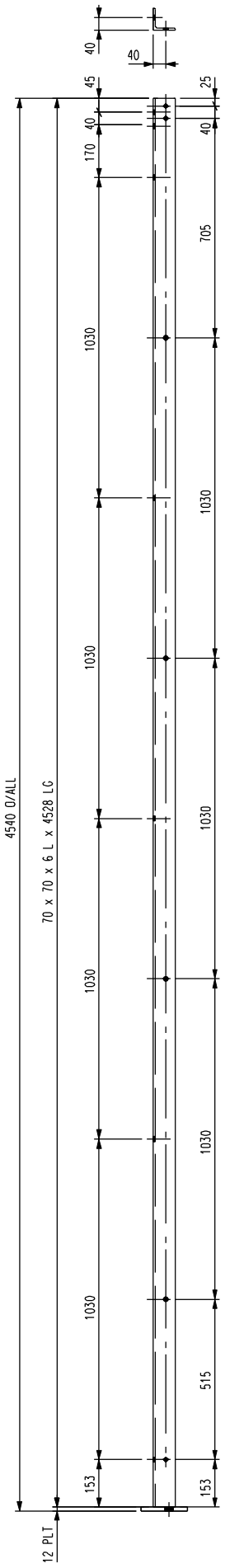


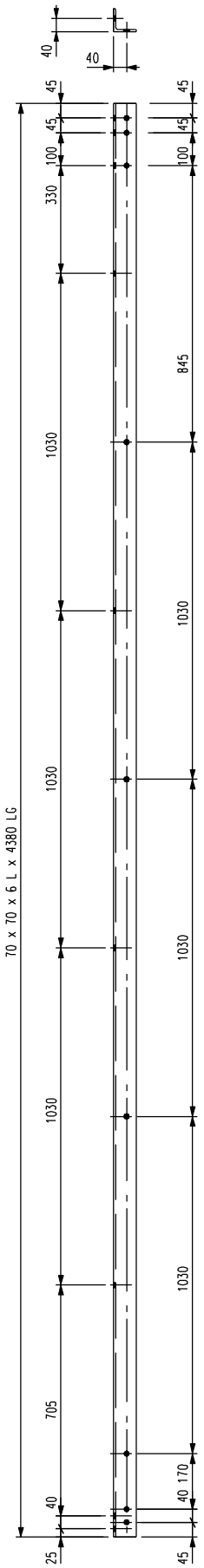
COLUMN ASSEMBLY



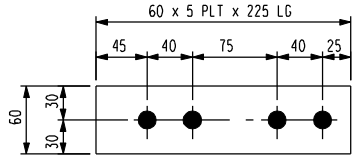
PLAN ON BASE PLATES



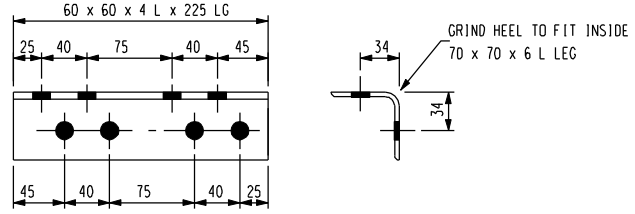
LEG ANGLE MRK'D 2 - 4 OFF REQ'D



LEG ANGLE MRK'D 8 - 4 OFF REQ'D



SPLICE PLATE MRK'D 7 - 8 OFF REQ'D



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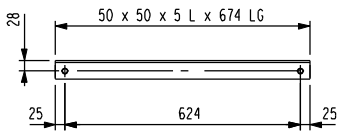
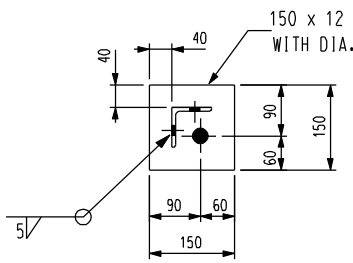
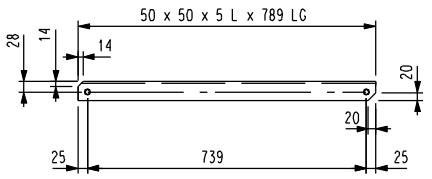


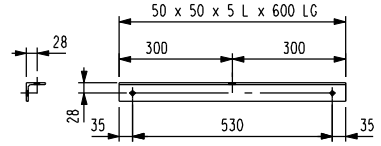
BRACE ANGLE MRK'D 9 - 4 OFF REQ'D



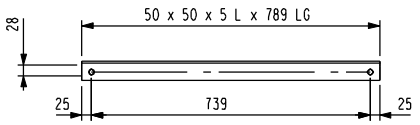
BASE PLATE DETAIL



BRACE ANGLE MRK'D 4 - 32 OFF REQ'D



BRACE ANGLE MRK'D 5 - 2 OFF REQ'D



BRACE ANGLE MRK'D 3 - 32 OFF REQ'D

MASS Kg		
STRUCTURE	BOLTS	TOTAL
450	14	464

BOLT SCHEDULE

STRENGTH GRADE 4.8				
MARK	TYPE	LENGTH	No OFF	WASHER
1	M 16	35	44	FLAT
2	M 16	40	64	FLAT

NOTES ON BOLTS:
1- BOLTS TO BE SUPPLIED WITH ONE NUT AND WASHER.
2- BOLTS ERECTED WITH HEAD TO INSIDE PREFERRED.
3- WASHER TO BE PLACED UNDER NUT.
4- ALL BOLTS TO BE GALVANIZED.

NOTES:
1 - ALL STRUCTURAL USE OF STEEL TO CONFORM TO SANS 10162. GRADE OF STEEL TO BE TO SANS 1431 GRADE 300WA.
2 - STEELWORK TO BE HOT DIP GALVANIZED TO SANS 121.
3 - ALL HOLES 18 DIA. UNLESS OTHERWISE STATED.
4 - ALL STEELWORK TO BE FABRICATED, ERECTED & LEVELLED, TO A TOLERANCE OF + OR - 1,5 mm.
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 SUPLIED BY CIVIL CONTRACTOR.
7 - ALL MARKS TO BE STAMPED ONTO STEELWORK AND SHALL BE CLEARLY LEGIBLE AFTER GALVANISING.
8 - ALL WORK TO BE DONE ACCORDING TO SANS 1200 SERIES OF SPECIFICATIONS.
9 - ALL WELDS TO BE CONTINUOUS WELDS TO SANS 10044.

NOTE :- THIS SUPPORT IS DESIGNED FOR SUPPORTING 400 kV TUBULAR BUSBARS WITH A MAX. FAULT CURRENT OF 50 kA. (INSULATOR C10) SUITABILITY FOR OTHER APPLICATIONS MUST BE CHECKED WITH THE CIVIL DESIGN SECTION.

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REFERENCE DRAWINGS
						0.54/4726 FOUNDATION
0						0.54/4722 TOP CAP

APPROVED BY DJS. DATE 07/12/2006
CHECKED BY JN. DATE 07/12/2006
DRAWN BY DATE 06/12/2006
SCALE

Eskom Transmission

ESKOM HOLDINGS LIMITED
REG NO. 2002/015527/06

400 kV
BUSBAR SUPPORT - 8940 HIGH

©

SHEET NUMBER	REVISION
0.54/6434 –	0.

SIZE GROOTTE A1L