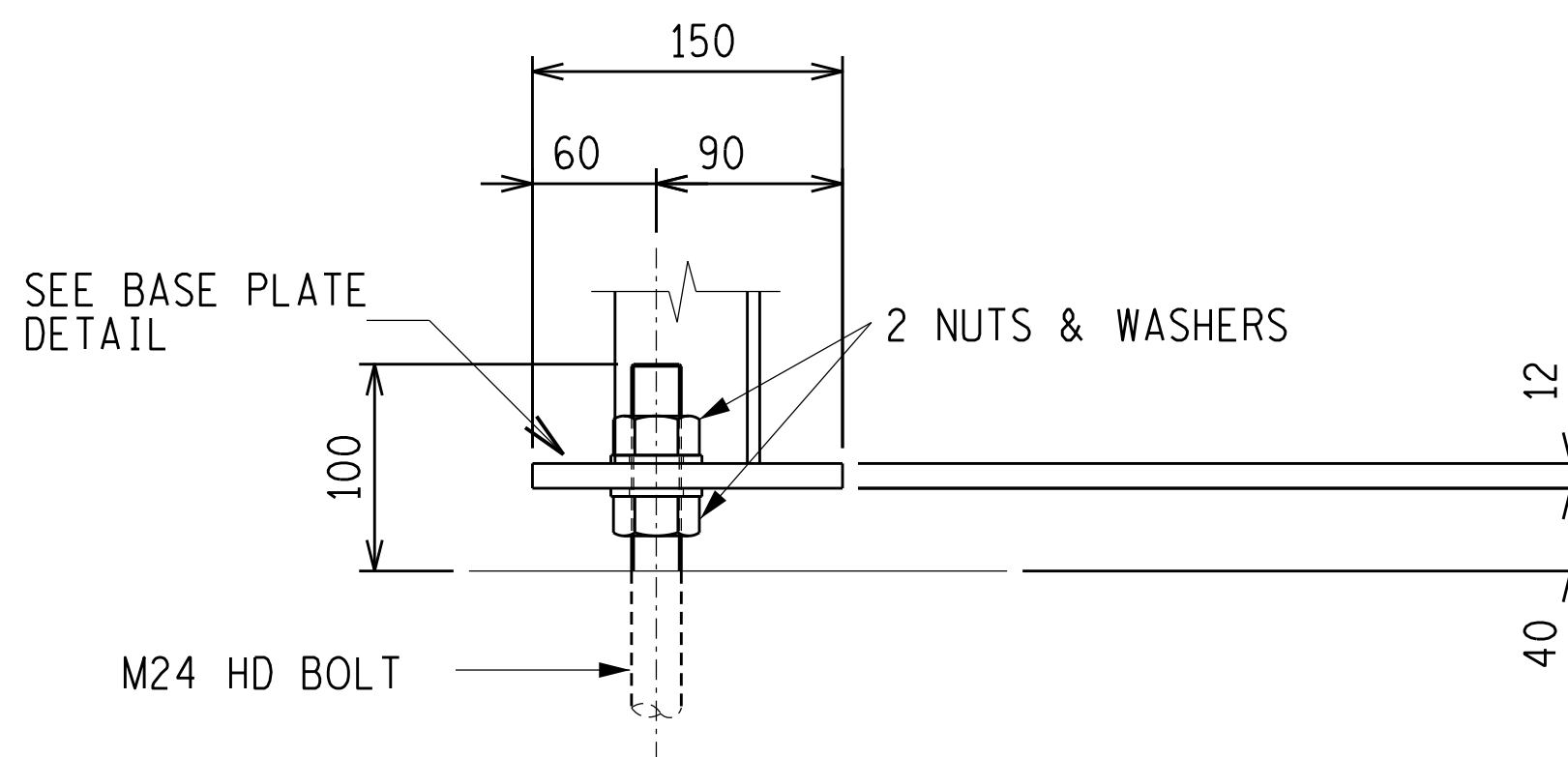
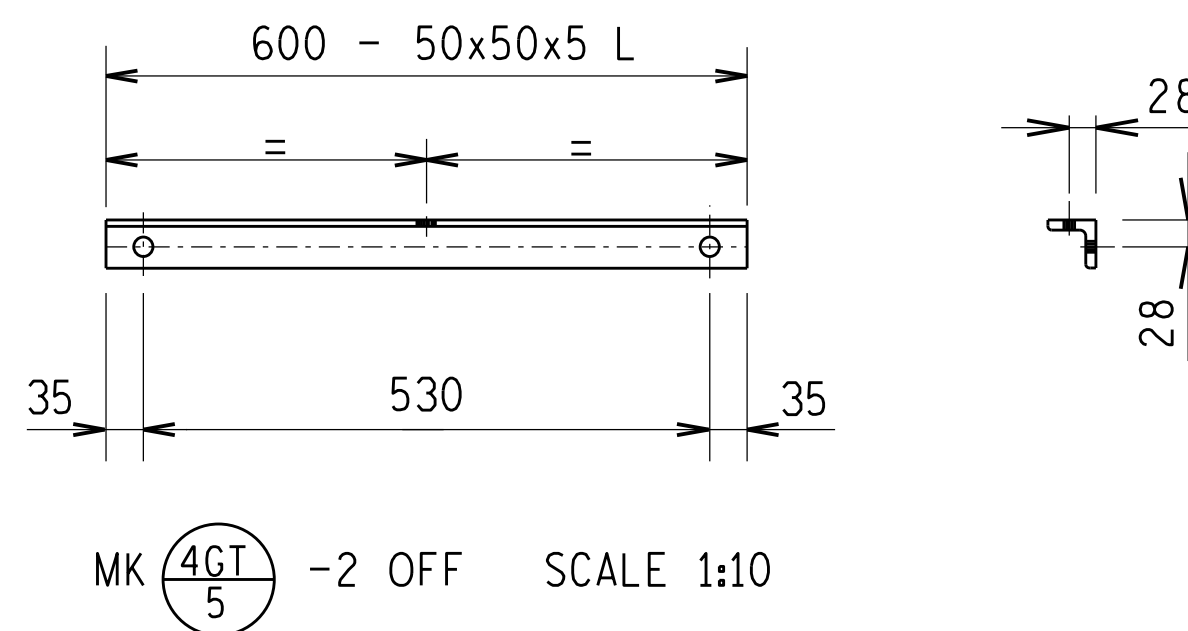
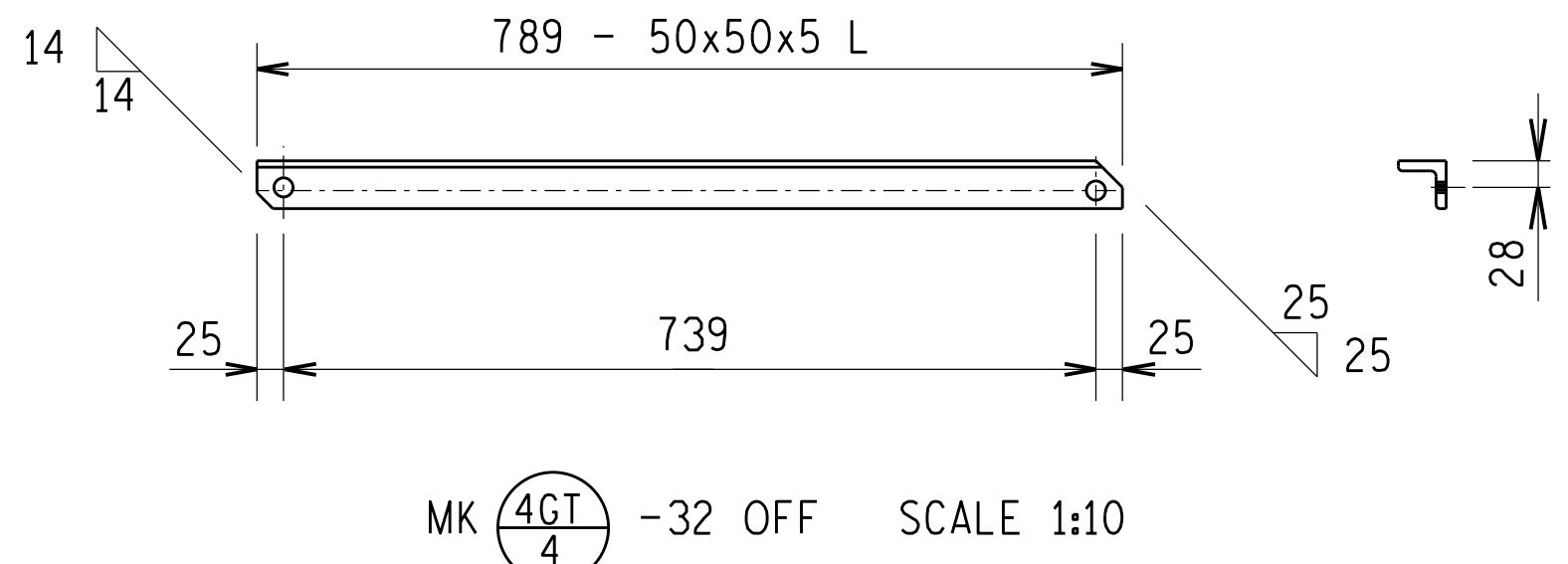
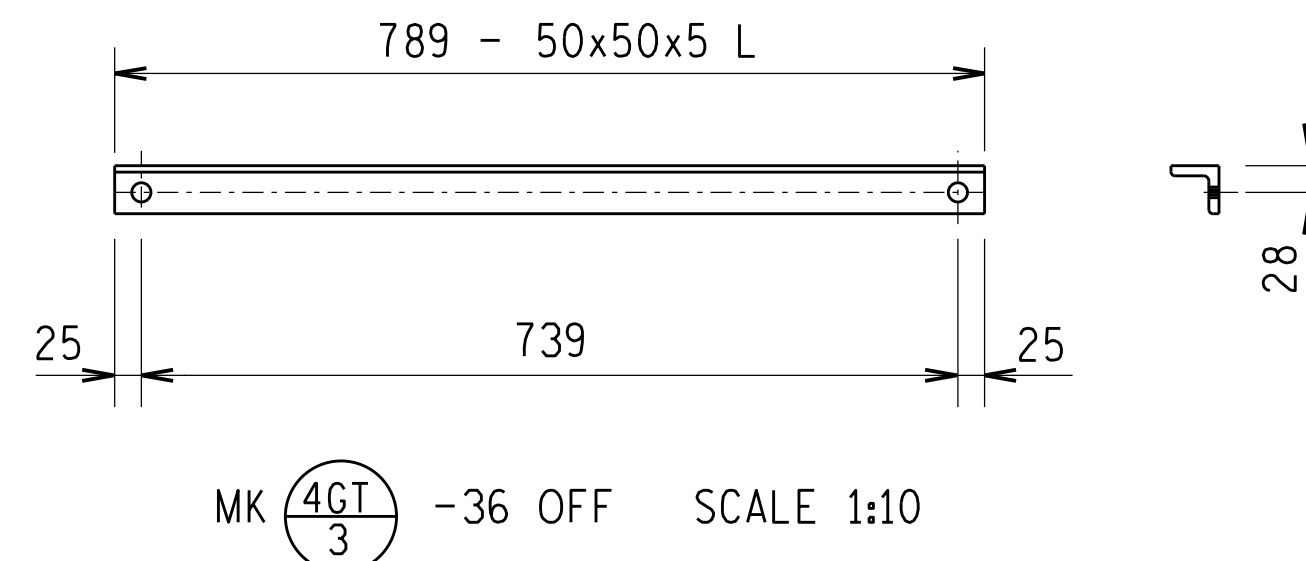


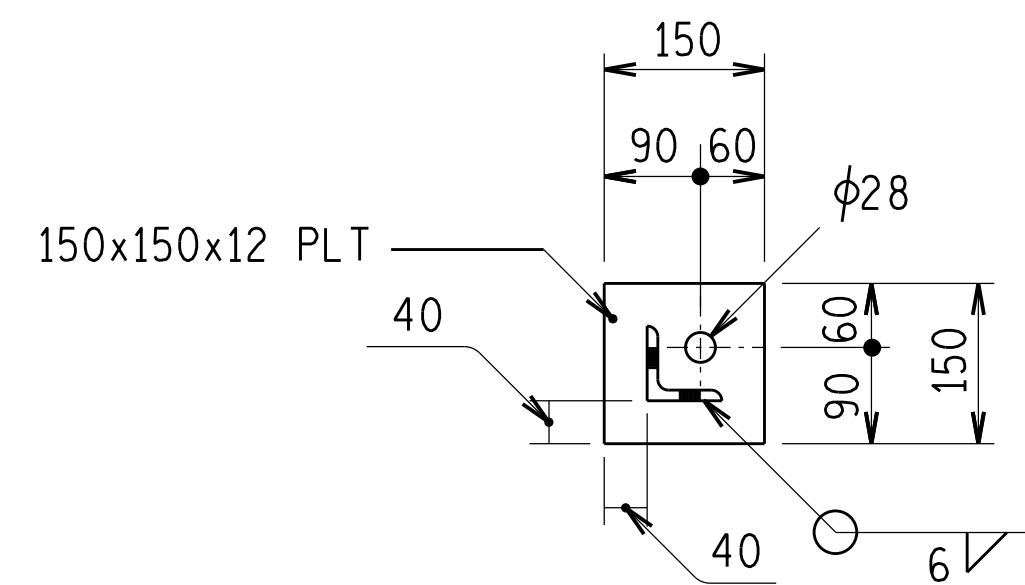
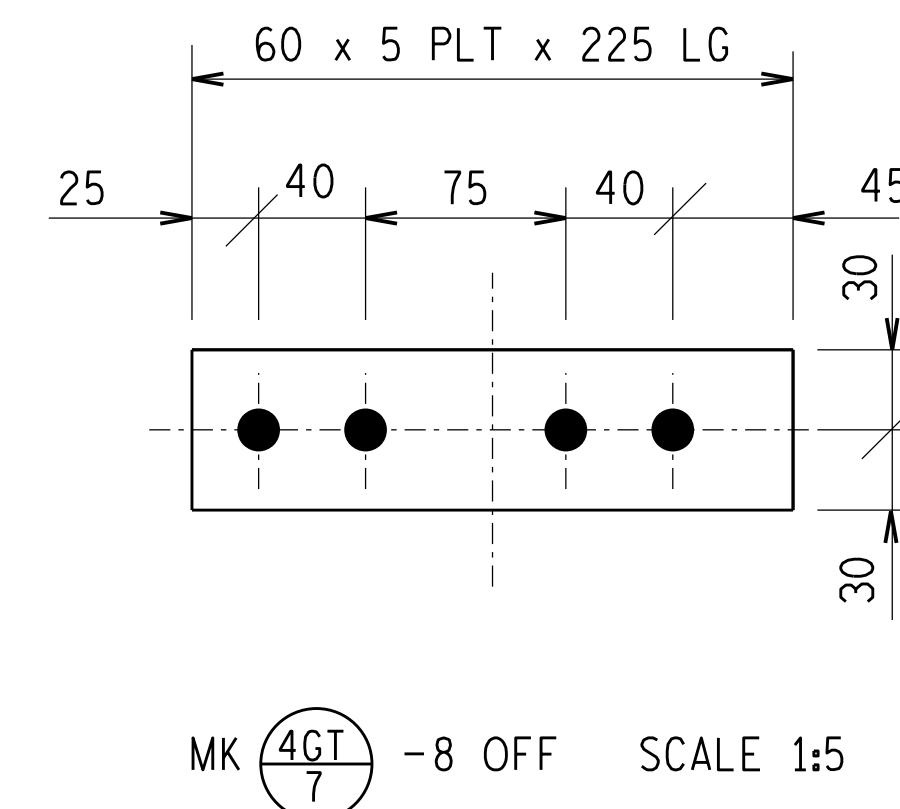
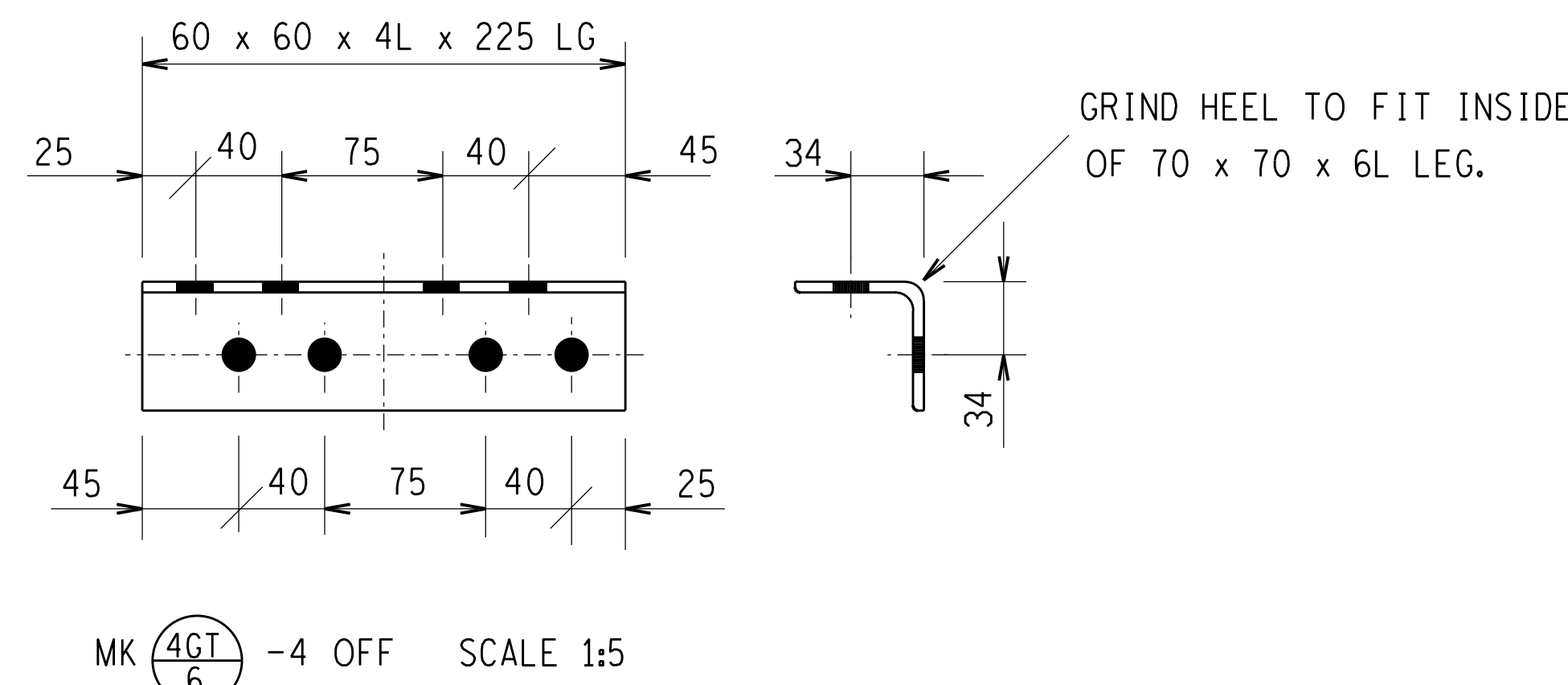
COLUMN ASSEMBLY DETAIL
SCALE 1:20

LEG ANGLE DETAIL
SCALE 1:20

SECTION 'A'-'A'
SCALE 1:20



DETAIL 1



SECTION 'B'-'B'
SCALE 1:10

BOLT SCHEDULE				
STRENGTH GRADE 4.8				
MARK	TYPE	LENGTH	No OFF	WASHERS PER BOLT
1	M 16	35	44	1 FLAT
2	M 16	40	64	1 FLAT

NOTES ON BOLTS:

- 1) BOLTS TO BE SUPPLIED WITH NUT AND WASHER.
- 2) BOLTS ERECTED WITH HEAD TO INSIDE PREFERRED.
- 3) WASHER TO BE PLACED UNDER NUT.
- 4) ALL BOLTS TO BE GALVANISED.
- 5) BEVEL WASHERS REQ'D WHERE BOLTS ARE USED ON CHANNEL SECTIONS.
- 6) BOLTS INDICATED THUS MK1, MK2.

MASS SCHEDULE	
STEELWORK	451Kg
BOLTS AND WASHERS	14Kg
TOTAL	465Kg

NOTES:

- 1 - ALL WELDING AND WELDING SYMBOLS SHALL CONFORM TO SABS 044 PART 1 TO PART 5.
- 2 - ALL STRUCTURAL USE OF STEEL TO CONFORM TO SABS 0162. GRADE OF STEEL TO BE TO SABS 1431 GRADE 300WA.
- 3 - STEELWORK TO BE HOT DIP GALVANIZED TO SABS 763.
- 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.

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

PLOT SCALE: 200:1

CAD REF No: MUTS0.54/4721L000.R01

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM AND ANY AMENDMENT TO THE DRAWING MUST BE EFFECTED ONLY ON THE SAME C.A.D. SYSTEM

5	DJS.	22/7/13	TITLE REVISED	PHD	DJS.		
4	DJS.	25/6/13	DETAIL 1 ADDED	PHD	DJS.		
3	DJS.	1/9/9	DIMS & REF. ORG REVISED	PHD	DJS.		
2	DJS.	06/07	MEMBER 6 REVISED.	A.D.	J.J.N.	6612	TOP CAP FOR 270 TO 370 PCD
1	M. v/d ENDE	05/95	MEMBER 4 REVISED.	A.D.		4726	FOUNDATION
0			FIRST ISSUE / EERSTE UITREIKING			4722	TOP CAP FOR 170 TO 300 PCD
REV	AUTH	DATE	REVISION/REVISED	BY	CHKD	0.54/	REFERENCE DRAWINGS
	MAG	DATUM	INDEX REF / INDEXVERW	DEUR	NAGES		VERWYSINGSTEKENINGE
DRG. TEK	REGISTR						
CHKD	NAGES						
DRAWN	DETEKEN	A.D.	27.1.1995	APPROVED	GOEDGEKEUR		
SCALE	SKAAL	1 : 20			M. v/d ENDE		
					30.01.95		
						0.54/4721	5



400kV BUSBAR SUPPORT
9125 HIGH

0.54/4721

REV

SIZE

GROOTTE