



Transnet SOC Limited
Transnet RME

REQUEST FOR QUOTATION

BOARD LIST TFR RME
 TRANSNET FREIGHT RAIL - RME
 PROCUREMENT DEPARTMENT
 2000

Registration Number: 1990/000900/06
Vat Number : 4720103177

Attention:
 TFR Official Tender Board.
 Telephone Number :
 Fax Number :
 Vendor Number :2004815

Quotation Deadline Date : 27.06.2014
Quotation Deadline Time : 12:00

REQUEST for QUOTATION
 Transnet RME
RFQ Number / Date
 6000200401 / 19.06.2014
Contact Person / Telephone
 Eddie Quinn / 035 905 3664
Return to VAX Number/EMAIL
 0865159978 / TCPtendersRichardsBay@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00010		M36 Foundation Bolt(175	8	ea	30.06.2014			
Supply & Deliver, 8 Off, M36 x 1750mm Long Foundation Bolts, as per the attached Drawing No: CEE-TQ-50. Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.								
00020		Retaining Ring as per D	6	ea	30.06.2014			
Supply and Deliver, 6 x Retaining Rings, as per the attached Drawing No: CEE-TQ-48. Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.								
00030		Extesion hook(M36 bolt	8	ea	30.06.2014			
Supply and Deliver, 8 x Extension hooks, M36 Bolt Group, as per the attached Drawing No: CEE-TQ-30.								



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		Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.						
00040		Boom for tension bridge	1	ea	30.06.2014			
		Supply and Deliver, 1 Off, Boom for Tension Bridge Structure, Length 6.4m(Y) and 6.2m (X) as per the attached Drawing No: CEE-TMD-17. Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.						
00050		Clamping bracket as per	8	ea	30.06.2014			
		Supply and Deliver, 8 Off, Clamping Brackets, as per the attached Drawing No: CEE-TMFB-138. Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.						
00060		Anchor fitting as per D	3	ea	30.06.2014			
		Supply and Deliver, 3 Off, Anchor Fittings, as per the attached Drawing No: CEE-TMHF-17.						



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Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store.
 Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.

00070		back strap for the anch	3	ea	30.06.2014			
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Supply and Deliver, 3 Off, Back Straps for the Anchor Fittings, as per the attached Drawing No: CEE-TMHF-27.
 Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store.
 Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.

00080		Raking leg as per Drg C	2	ea	30.06.2014			
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Supply and Deliver, 2 Off, Raking legs, as per the attached Drawing No: CEE-TMB-73.
 Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store.
 Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.

00090		Knee brace as per Drg C	4	ea	30.06.2014			
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Supply and Deliver, 4 Off, Knee Braces, as per the attached Drawing No: CEE-TMHA-213.



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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.								
00100		Bracket Raking leg as p	2	ea	30.06.2014			
Supply and Deliver, 2 Off, Brackets for the Raking legs, as per the attached Drawing No: CEE-TMF-433. Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.								
00110		Bracket raking leg knee	2	ea	30.06.2014			
Supply and Deliver, 2 Off, Brackets for the Raking Leg Knee Braces, as per the attached Drawing No: CEE-TMF-434. Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store. Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.								
00120		Bracke Plate raking leg	1	ea	30.06.2014			
Supply and Deliver, 1 Off, Back Plate for the Raking Leg Knee brace, as per the attached Drawing No: CEE-TMHF-139 - ITEM: 1.								



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Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store.
 Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.

00130		bracket Plate Raking le	1	ea	30.06.2014			
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Supply and Deliver, 1 Off, Back Plate for the Raking Leg, as per the attached Drawing No: CEE-TMHF-141 - ITEM: 1.
 Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store.
 Contact: Mr Pierre Crocker Tel: 035-905 3638 / 083 279 0437.

Transnet Limited t/a Transnet Freight Rail (R.M.E.) # Richards Bay, hereby invite your company to submit a detailed quotation for:

The Supply and Delivery of Various Hot Dipped Galv. O.H.T.E. Steel Fabricated Pieces.
 Deliver to: 1 Morris Road, Empangeni Rail, O.H.T.E. Store.

Technical queries relating to this invitation may be addressed to;
 Mr. Pierre Crocker Tel: 035-905 3638 / 083 279 0437.

All tender related queries pertaining to this invitation may be addressed to;
 Mr. Eddie Quinn, Tel: 035 # 905 3664.

The closing time for receipt of your official quotations is 12:00 hours on Friday, 27 June 2014.



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Transnet desires a validity period of 90 (Ninety) days from the closing date of this RFQ.

Telephonic and late quotes will not be accepted.
 All quotations should be clearly marked, and may be forwarded to:
 Me Yogeshnie Gengan, Tender & Fax Assistant,
 Fax No: 086 515 9978 and / or
 e-mailed to: TCPtendersRichardsBay@transnet.net

N.B.

The contractor's address and identification details have to be shown on each quotation submitted.

- Please submit the following documents with your quotation;
- Valid Tax Clearance certificate.
 - Copy of your latest B.B.B.E.E. Certificate.

OO

Failing to submit any of the documents mentioned above, could result in your quotation to be disqualified / not accepted. . . .

Note: #Transnet may not necessarily accept the lowest or any other offer and reserves the right to select in its favor any or, a portion of any offer made"

If you have been contacted directly by the Supply Chain Office (Via a RFQ.), and you are unable to quote for these items, please submit a NO QUOTE.

Otherwise we look forward to receive your detailed quote by the date and time stated.

Yours faithfully,



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Delivery Address

TFR RME Richards Bay
 Old Naval Base, Commodores Clo
 Meerensee, Richards Bay
 3900

This RFQ is subject to the following conditions:

1. Price/s : The price/s quoted in SA currency and is excluding of V.A.T
2. Delivery : The price/s quoted should include delivery cost to the delivery address stated on the RFQ
3. Returnables : A valid tax clearance certificate and BBBEE certificate from a SANAS accredited verification agency attached to quotation for all quotes above R30 000.
 Please note that only the official Transnet RFQ will be accepted and all other correspondence to be attached to the original
4. Safety : To confirm to Transnet Capital Projects Health & Safety plan and specification; HAS-std-0001, copy available on request.
5. Confirmation: To confirm your participation in this tender process please sign and return this document as immediate effect prior to the quotation deadline.
6. Negotiations: The Employer may elect to negotiate the final terms of the contract/order with the preferred tenderer in accordance with Clauses F.2.17 and F.3.13 of the CIDB Standard Conditions of Tender. A copy of which is available upon request.

 Signature

 Date

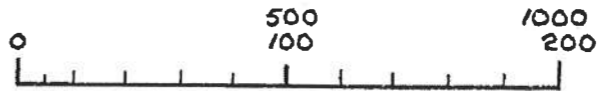
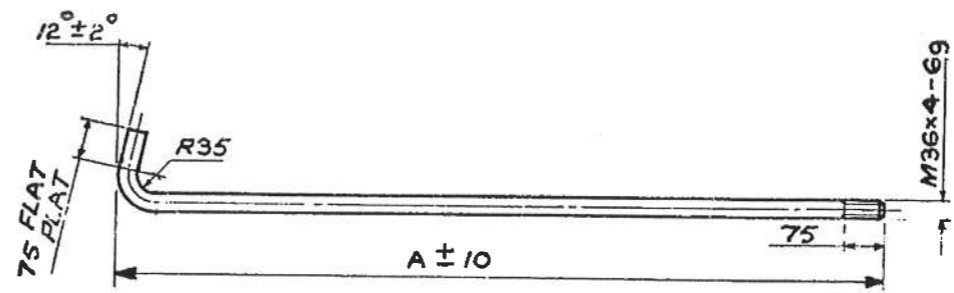
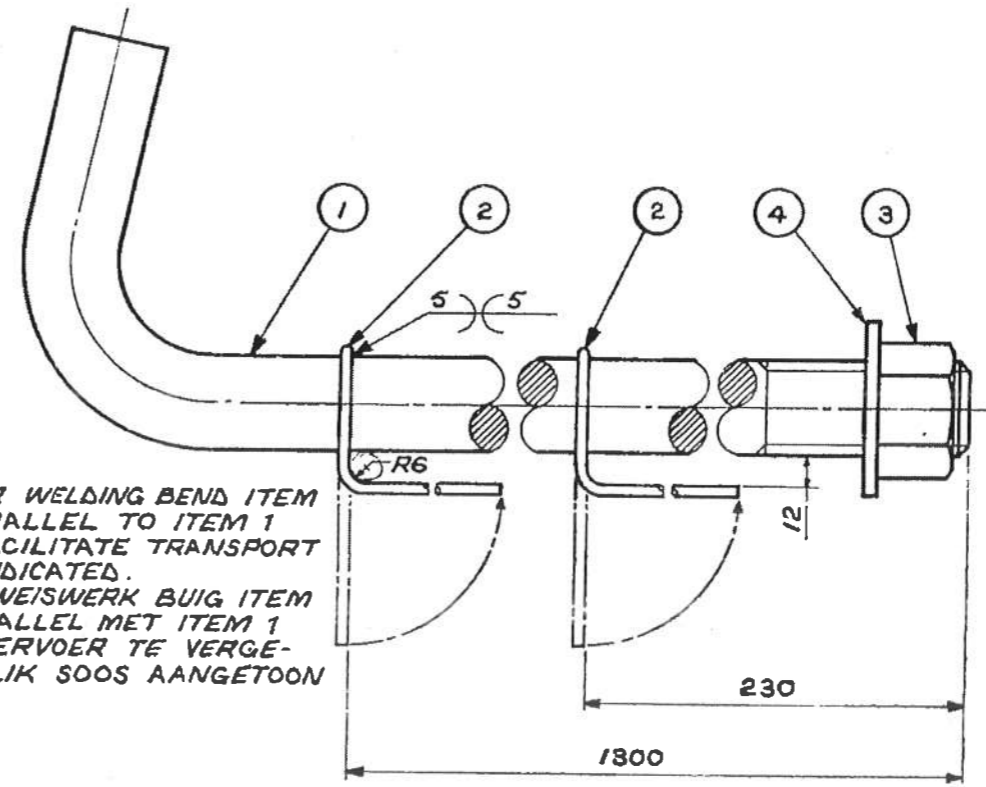
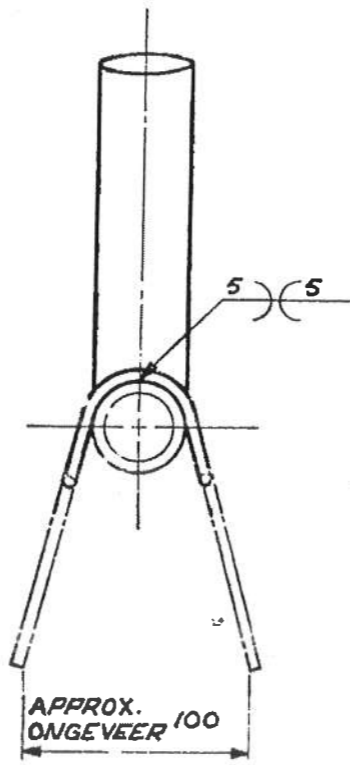
ORIGINAL FRAME SIZE
OORSpronKLIKE RAAMGRÖÖTTE 554 x 380.

ITEM	DESCRIPTION / BESKRYWING	QTY HVLD	STORES MAGASYN NO.	DRG. TEK. NO. CEE-	AMENDMENTS / WYSIGINGS		
					NO.	NAME / NAAM	DATE / DATUM
1	STEEL, ROUND $\phi 36$ TO BS 4360 GRADE 43A (FOR LENGTH SEE TABLE.) STAAL, ROND $\phi 36$ VOLG. BS 4360 GRAAD 43A (VIR LENGTE KYK TABEL.)	1					
2	WIRE, STEEL $\phi 4$ mm x 430L. DRAAD, STAAL $\phi 4$ mm x 430L.	2			1.	J. SWIEGERS	82-01-29
3	NUT, STEEL, ROUND, HEX. M36. (GALVANISED TO SPEC. GEGALVANISEERD VOLG. SPES. SABS 763.)	1	(M)1/32921		ITEM 3 & 4: REVISED / HERSIEN.		
4	WASHER, STEEL, ROUND. M36. (GALVANISED TO SPEC. GEGALVANISEERD VOLG. SPES. SABS 763.)	1	(M)1/33700		DO. REF. TK-VERW. T2/82/5		

TYPE OF FOUNDATION HOLE Tipe FONDAMENTGAT	A
ALL HOLES EXCEPT THOSE IN ROCK. ALLE GATE BEHALWE DIE IN KLIP.	1750
HOLES IN ROCK. GATE IN KLIP.	1450
A FRAME TENSION LEG. A RAAM SPANNINGSBEEN.	1750
A FRAME COMPRESSION LEG. A RAAM KOMPRESSIEBEEN.	800

NOTE / OPMERKING.

COAT THREADS WITH ANTI-CORROSIVE PASTE TO SPEC: CEE-T-P4A-9 STORES ITEM NO. (M) 9/21545.
BEDEK SKROEFDRAAD MET KORROSIEWERENDE PASTA VOLG. SPES: CEE-T-P4A-9 MAGASYNITEM NO. (M) 9/21545.



DIMENSIONS: MILLIMETRES. S.A. TRANSPORT SERVICES.
AFMETINGS: MILLIMETER. S.A. VERVOERDIENSTE.

DRN. GET. M. VERMEULEN	GEN. TOLERANCES: LIN. ± 5	ENG. IR.
TRCD. NST. M. VERMEULEN	ALG. TOLERANSIES: ANG. / HOEK.	
CKD. NGS. B. STEWART.	DATE. 80-11-03	CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR
DO. REF. TK-VERW. T2/80/15		

Signature For RS.
JOHANNESBURG.

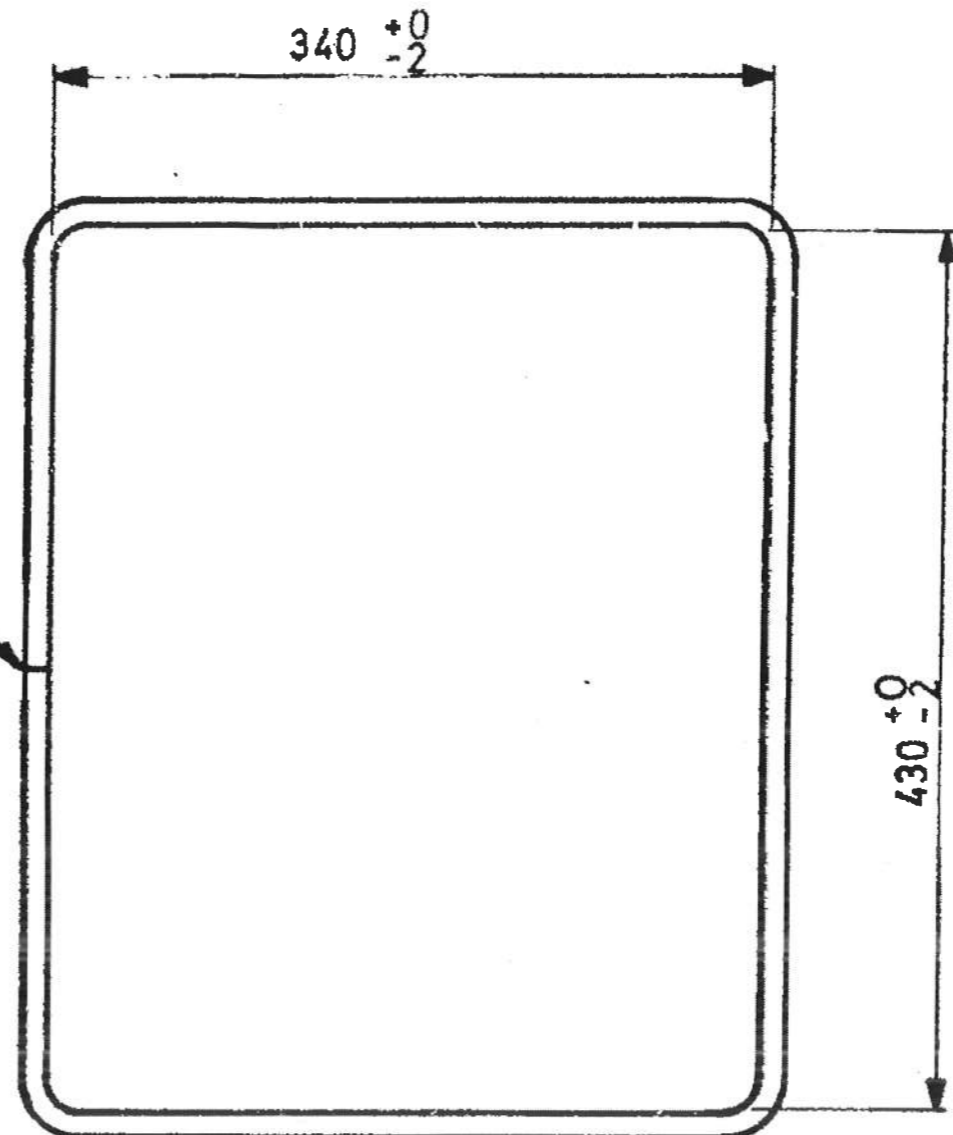
BOLT, FOUNDATION M36.
WITH SECURING WIRE.
BOUT-, FONDAMENT M36.
MET VASHEGTINGSDRAAD.

CEE-TQ-20, 25, 28, 29
CEE-TQ-34, 36
ASSY. DRG. / SAMEST. TEK.
MODULUS ITEM NO.

PREVIOUS ITEM NO.
VORIGE

DRAWING NO. CEE-
TEKENING TQ-50

NOTE /OPMERKING
 ALL RADII
 ALLE RADIUSSE R18.



DIMENSIONS: MILLIMETRES.
 AFMETINGS: MILLIMETER.

MATERIAL - MATERIAAL

STEEL, ROUND
 STAAL, ROND $\phi 12 \times 1547L$

SPEC. CME 9 SYM. 7
 SPES. CME 9 SIM.

STORES ITEM
 MAGASYN ITEM NO. (M) 11/2740

SOUTH AFRICAN TRANSPORT SERVICES.
 SUID-AFRIKAANSE VERVOERDIENSTE.



AMENDMENTS. WYSIGINGS.		
NO.	NAME. NAAM.	DATE. DATUM.

CEE-TQ-25
 ASSY. DRG./SAMEST-TEK.
 MODULUS ITEM NO.

PREVIOUS
 VORIGE ITEM NO.

DRAWING
 TEKENING NO. **CEE-TQ-48**

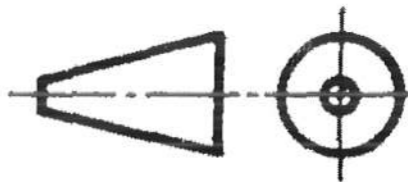
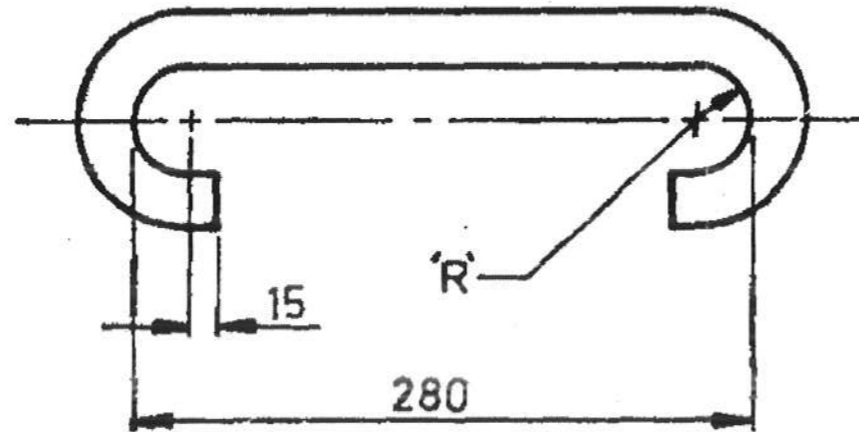
DRN. GET. M. VERMEULEN.	GEN. TOLERANCES: LIN. _____ ALG. TOLERANSIES: ANS./HOEK. _____	ENG. IR.
TRCD. NGT. M. VERMEULEN.	D.O. REF. T.K.-VERN. T2/80/15	
CKD NGS. B. Stewart.	DATE DATUM. 80-11-03	for ns.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		JOHANNESBURG.

RING, RETAINING:
 FOUNDATION BOLT GROUP
 I MASTS AND UNIVERSAL COLUMNS
RING, KEER.-
 FONDAMENTBOUTGROEP
 I MASTE EN UNIVERSELE KOLOMME

STEEL, ROUND STAAL, ROND	Ø25	Ø36
STORES ITEM MAGASYNITEM NO. (M)	11/2804	11/—
DEVELOPED LENGTH UITGEBREIDE LENGTE	470	535
RADIUS 'R'	25	35

NOTES / OPMERKINGS

1. STEEL Ø36 TO BE USED WHERE OFF-CUTS OF FOUNDATION BOLT GROUP MATERIAL (M36) IS AVAILABLE.
STAAL Ø36 MOET GEBRUIK WORD WAAR AFVALSTUKKE VAN FONDAMENTBOUTGROEPMATERIAAL (M36) BESKIKBAAR IS.
2. STEEL TO BE Ø25 WHERE NEW MATERIAL IS USED.
STAAL MOET Ø25 WEES WAAR NUWE MATERIAAL GEBRUIK WORD.



DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

MATERIAL-MATERIAAL
STEEL, ROUND. (SEE TABLE)
STAAL, ROND. (KYK TABEL)
SPEC. CME 9 SYM. 7
SPES. CME 9 SIM. 7

DRN. N. COOKE
GET. N. COOKE
GEN. TOLERANCES : LIN. ± 5
ALG. TOLERANSIES : ANG/HOEK —

TRCD L. WOOD.
NGT. L. WOOD.
D.O. REF. J73/41
TK-VERW. J73/41
ENG. _____
IR. _____

CKD. F. HEYL.
NGS. F. HEYL.
DATE 73-08-24
DATUM 73-08-24
F. H. PIENAAR for ns.

CHIEF ELECTRICAL ENGINEER
ELEKTRIESE HOOFINGENIEUR
JOHANNESBURG

SOUTH AFRICAN TRANSPORT SERVICES
SUID - AFRIKAANSE VERVOERDIENSTE

EXTENSION HOOK.
M36 FOUNDATION BOLT GROUP.
VERLENGHAAK.
M36 FONDAMENTBOUTGROEP.

AMENDMENTS
WYSIGINGS

NO.	NAME NAAM	DATE DATUM
2.	<i>JK</i>	84-07-20

REDRAWN & REVISED.
Ø36 STEEL INCLUDED.
ASSY. DRGS ADDED.
OORGETEKEN EN HER-
SIEN. Ø36 STAAL
BYGEOEG. SAMEST-
TEK'S BYGEOEG.
D.O. REF. T1/84/49
TK-VERW.

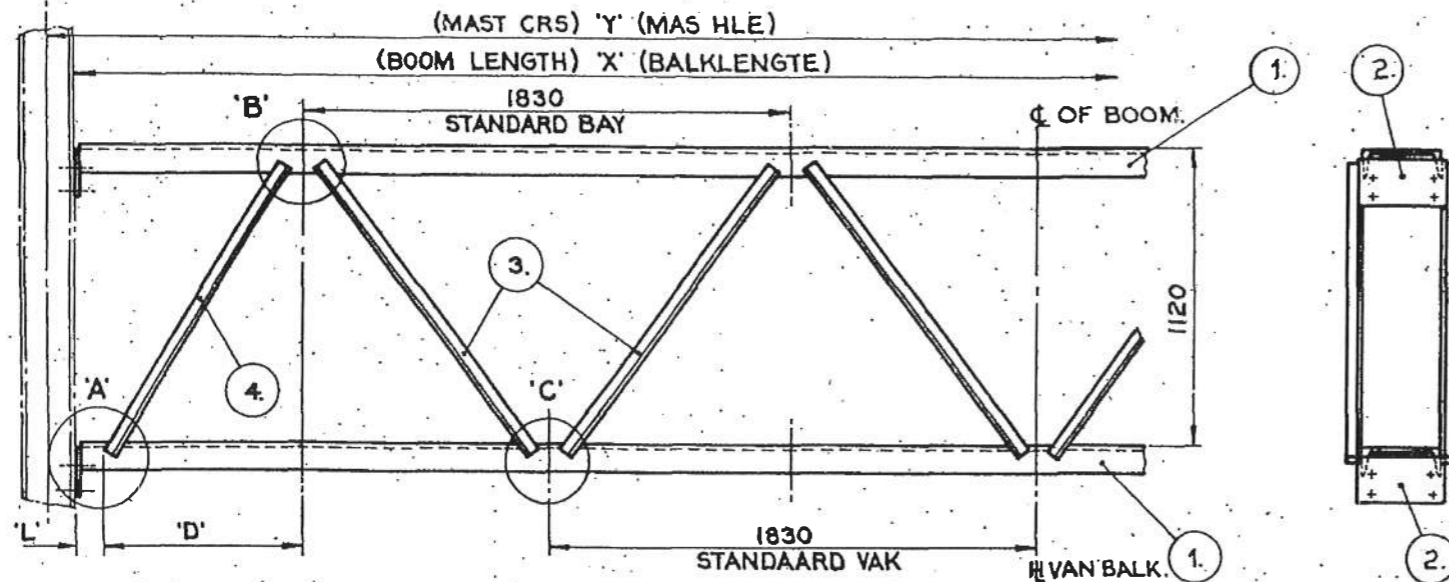
CEE-TQ-21,23,25,27,
28,29,34,36,37.

ASSY. DRG.
SAMEST.-TEK.

DRAWING
TEKENING NO. CEE-

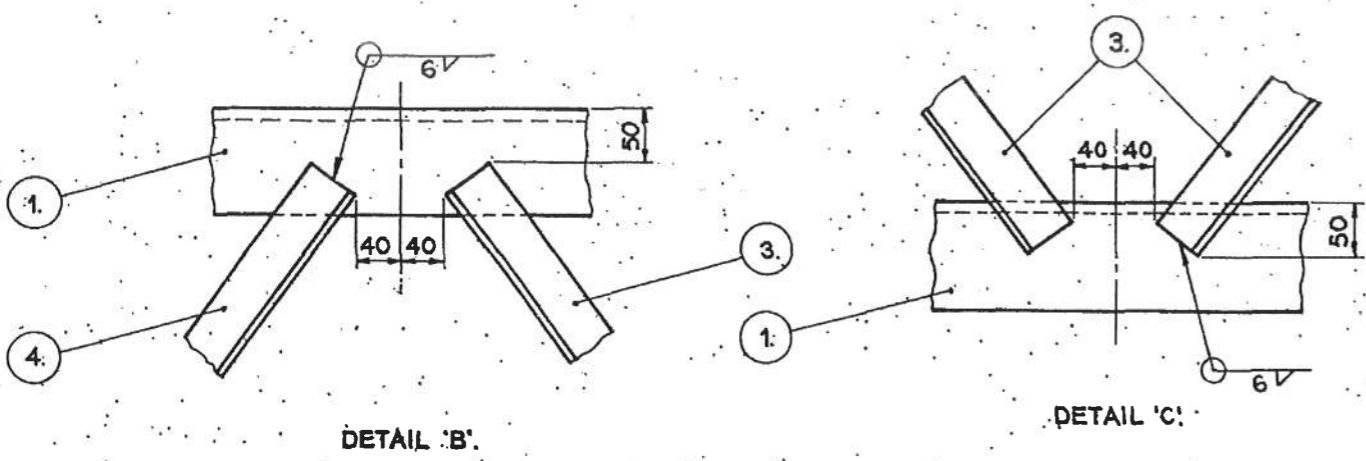
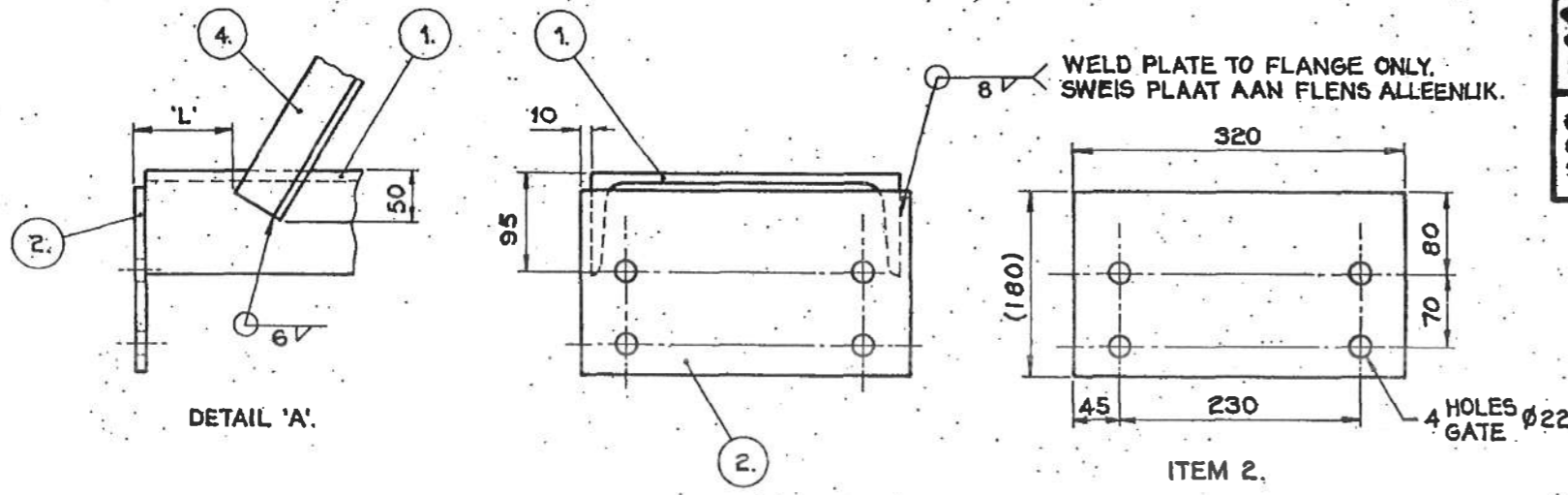
TQ-30

ORIGINAL FRAME SIZE.
OORSPRONKLIKE RAAMGROOTTE. 554 x 380.



ITEM.	DESCRIPTION / BESKRYWING:	QTY. HVLD.	LENGTH. LENGTE.	STORES. MAGASYN.	AMENDMENTS. WYSIGINGS.		
					NO.	NAME. NAAM.	DATE. DATUM.
1.	STEEL, CHANNEL STAAL, KANAAL 300 x 100 x 46,20 kg/m.	2.	SEE TABLE.	(M) 11/14747.			
2.	STEEL, FLAT STAAL, PLAT 180 x 12.	2.	320.	(M) 11/4496.			
3.	STEEL, ANGLE STAAL, HOEK 50 x 50 x 6.	AS REQD.	1350.	(M) 11/14481.			
4.	STEEL, ANGLE STAAL, HOEK 50 x 50 x 6.	500S VEREIS	KYK TABEL.	(M) 11/14481.			

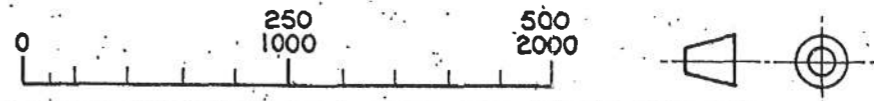
TYPE. TIEPE.	DIM. 'Y'.	AFM. 'X'.	STD. BAYS. STD. VAKKE.	DIM. 'D'.	AFM. 'L'.	USE / GEBRUIK ITEMS.	LATTICE / TRALIE QTY/HVLD.	ITEM 4-LENGTH LENGTE.
SINGLE TRACK. ENKEL SPOORBAAN.	6400	6200	3	255	100	1-4	16	1120
TRACK.	6400	6200	3	255	100	1-4	16	1120
TRACK.	6400	6200	3	255	100	1-4	16	1120
TRACK.	6400	6200	3	255	100	1-4	16	1120
TRACK.	6400	6200	3	255	100	1-4	16	1120



WELDING: TO CONFORM TO SPEC.
SWEISWERK: MOET VOLDOEN AAN SPES. B.S. 5135.

FINISH: ZINC COAT TO SPEC.
AFWERKING: SINKBEDEK VOLG. SPES. SABS 763.

TOLERANCES: 0 - 500 ±1.
TOLERANSIES: 501 - 1000 ±2.
1001 - 5000 ±3.
OVER 5000 ±5.



DIMENSIONS: MILLIMETRES.
AFMETINGS: MILLIMETER.

DRN. GET. H. Coetzee.	GEN. TOLERANCES: NOTED. ALC. TOLERANSIES: AANGETOON.	
TRCD. NGT. P. Hutcheson.	D.O. REF. TK-VERW. Y78/95.	ENG. IR.
CKD. NGS. W.R.G.	DATE. DATUM. 79-03-07	
CHIEF ELECTRICAL ENGINEER. ELEKTROTEGNIESE HOOFINGENIEUR. S.A.S.	JOHANNESBURG.	

BOOMS FOR TENSION BRIDGE STRUCTURES.
BALKE VIR SPANPORTAALSTRUKTURE.

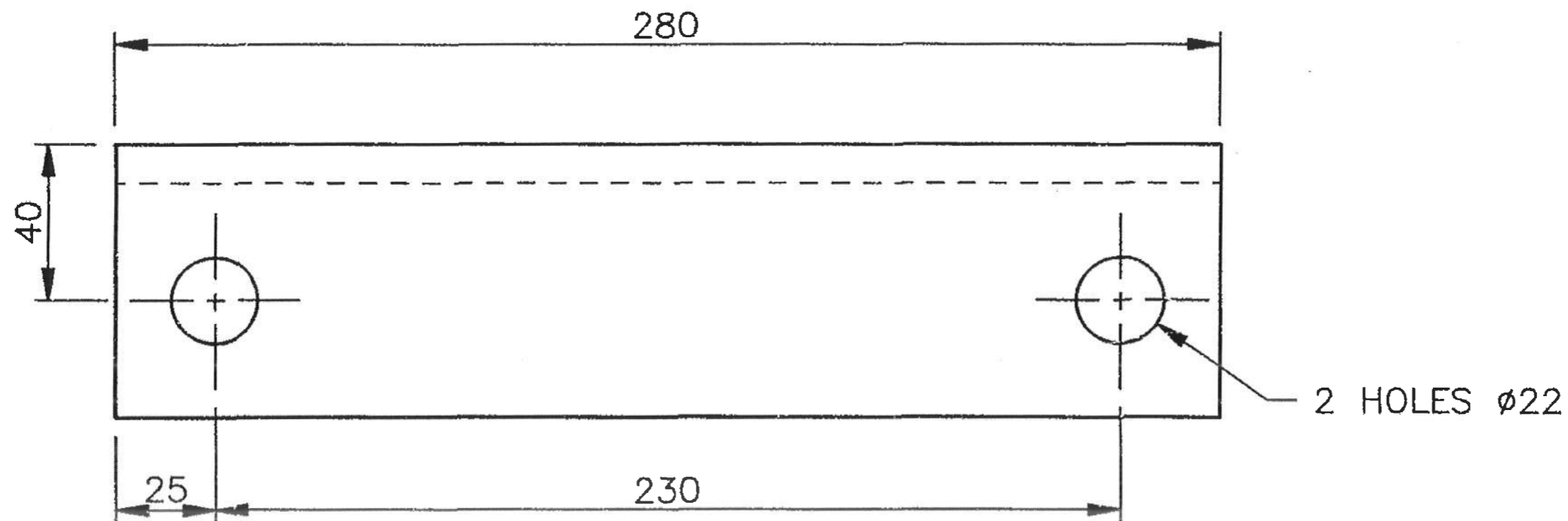
6,4m - 12,9m MAST CENTRES / MASHARTLYNE.
STAY WIRE CONSTRUCTION / ANKERDRAADKONSTRUKSIE.
203mm x 203mm UNIVERSAL COLUMNS / UNIVERSELE KOLOMME.

CEE-TMG-77 & 78.
ASSY. DRG. / SAMEST-TEK.

DRAWING NO. CEE
TEKENING NO. CEE

TMD-17.

A2.
A3.



FINISH
 ZINC COAT TO SABS 763 FOR CONDITIONS IN SITU
 WHEN NOT PART OF WELDING COMPONENT.

AMENDMENTS

NO	NAME	DATE
1	JVT	95-09-12

DRG REVISED.
 PREVIOUS NO. WAS
 CEE-TMHA-84.
 DO REF: T95/055

DIMENSIONS: mm
 SCALE: 1:2



MATERIAL: ITEM NO 11/14508, STEEL, ANGLE, 70 x 70 x 10 x 280 LG

DO REF: Y76/43	GEN TOL: LIN± ±1,5 ANG± -
DRN: B v RENSBURG	CKD: W.R.G. DATE: 78-03-31
ENG: J DE V.	P. PIENAAR for CHIEF ENG

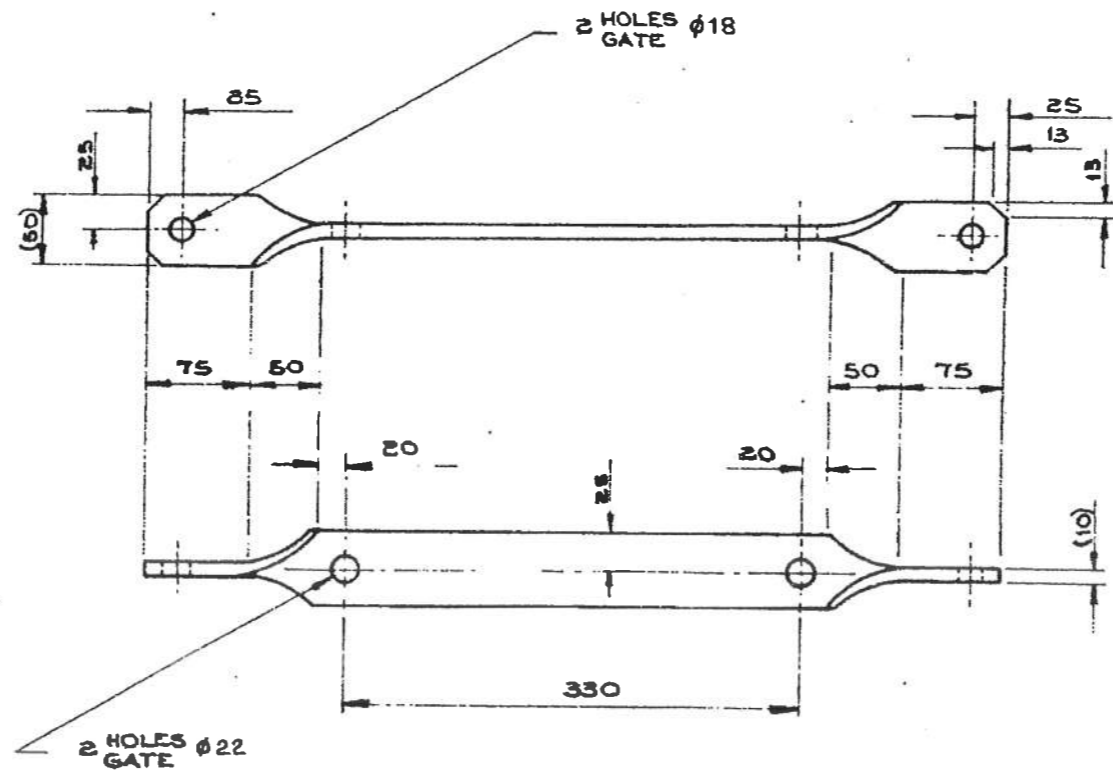
CLAMPING BRACKET
 UNIVERSAL COLUMNS AND CONCRETE MAST

INFRASTRUCTURE
 (ELECTRICAL)



DRG NO **CEE-TMFB-138**
 SHT — OF —

T0000973



FINISH : ZINC COAT TO SPECIFICATION S.A.B.S. 763
 AFWERKING : SINKBEDEK VOLGENS SPES.

CANCELS DRG. NO. CEE - TMF - 62 ITEM 11.
 KANSLEER TEK. NO.

DIMENSIONS : MILLIMETRES.
 AFMETINGS : MILLIMETERS.

D.O. REF. C227/69 TK. VERW.	MATERIAL - MATERIAAL 50mm x 10mm STEEL FLAT. STAAL PLAT.
ORN. GET. P.L.W.	STORES MAGASYN ITEM 11/21208
CKD. NGS. F.W.C.	SCALE SKAAL 1:5
ENGR. IR. K.L.K.	T.C. BROOK
DATE. DATUM. 18/4/69	

CATENARY AND CONTACT ANCHOR FITTING
 STAYWIRE TENSION BRIDGE.
 DRAKABEL EN RYDRAAD ANKERTOEBEHOR
 ANKERDRAAD SPANPORTAAL

for CHIEF ELECTRICAL ENGINEER S.A.R. JOHANNESBURG
 ELEKTROTEGNESE HOOFINGENIEUR S.A.S.

AMENDMENTS.
 WYSIGINGS.

NO.	NAME. NAAM.	DATE. DATUM.
4.	SMOUTON	80.04.13

ASSY. DRG. NO. CEE-TP-149 ADDED.
 SAMEST-TEK. NO. CEE-TP-149 BYGEVOEG.
 D.O. REF. Y 78/95.
 TK. VERW.

CEE-TP-149.
 CEE-TMG-31 & 32.
 CEE-TP-45.
 CEE-TMG-44 & 45.
 ASSY. DRG. SAMEST-TEK.

GENERAL TOLERANCES.
 ALGEMENE TOLERANSIES.

LIN. ±1

ANG. HOEKE.

AMENDMENT WYSIGING.	4.
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DRAWING NO. CEE

TMHF-17

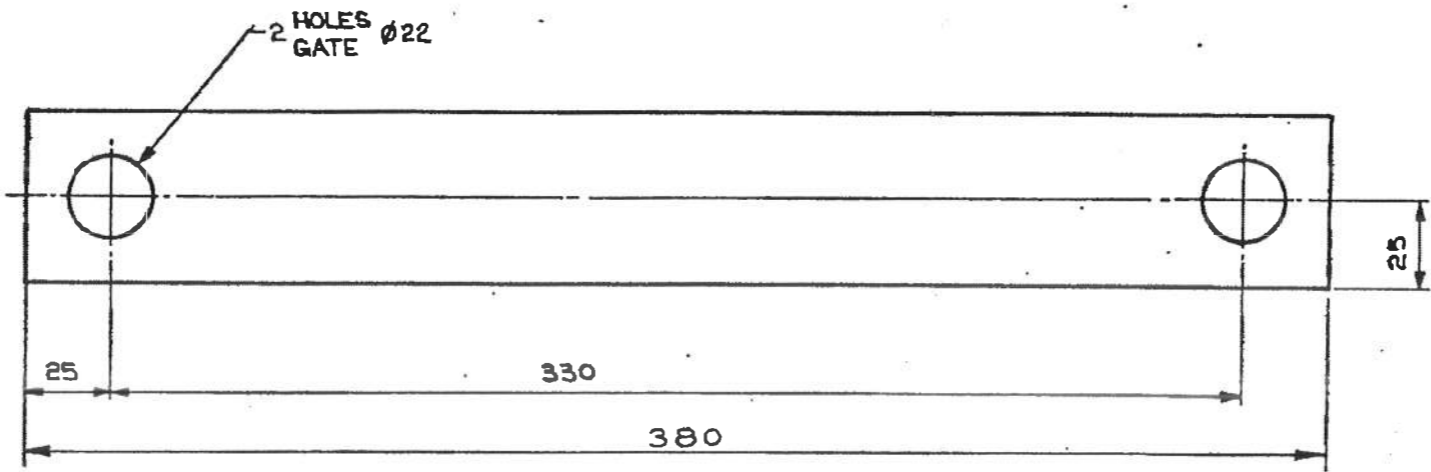
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ORIGINAL FRAME SIZE
OORSPRONKLIKE RAAMGROOTTE 267x180.



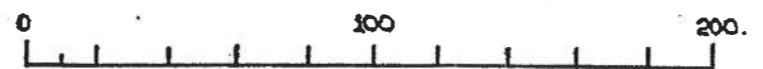
AMENDMENTS WYSIGINGS		
N ^o	NAME NAAM	DATE DATUM
1.	<i>WBL</i>	6-1-75

NOTE DRILL REMOVED.
OPM. BOOR VERWYDER.
D.O. REF. Y74/116
TK.-VERW.

DIMENSIONS: MILLIMETRES.
AFMETINGS: MILLIMETERS.

MATERIAL - MATERIAAL
M.S. 50 x 10 x 380 LONG. TO
S.S. LANK. VOLGENS
SPEC. B.S. 4360 GRADE 43A.
SPES. GRAAD

FINISH: ZINC COAT TO SPEC.
AFWERKING: SINKBEDEK VOLGENS SPES. SABS. 763.



GENERAL TOLERANCES. LIN. ±1. ALGEMENE TOLERANSIES.		ANG. HOEK. —
DRN. GET K. Moss.	CKD NGS. <i>I. Thompson</i>	ENG. IR. <i>[Signature]</i>
D.O. REF. T.K. VERW. C95/72	DATE DATUM 2-10-72	
CHIEF ELECTRICAL ENGINEER. ELEKTROTEGNIESE HOOFINGENIEUR.		SAR. JOHANNESBURG.

BACKSTRAP FOR CATENARY AND
CONTACT ANCHOR FITTING
ARMKLAMP VIR DRAKABEL EN RYDRAAD
ANKERTOEBEHORE.

CEE-TMG-44
" " 45.
ASSY. DRG./SAMES. TEK.
DRAWING No. CEE-
TMHF-27

A4
A4



Δ
3

Δ
4

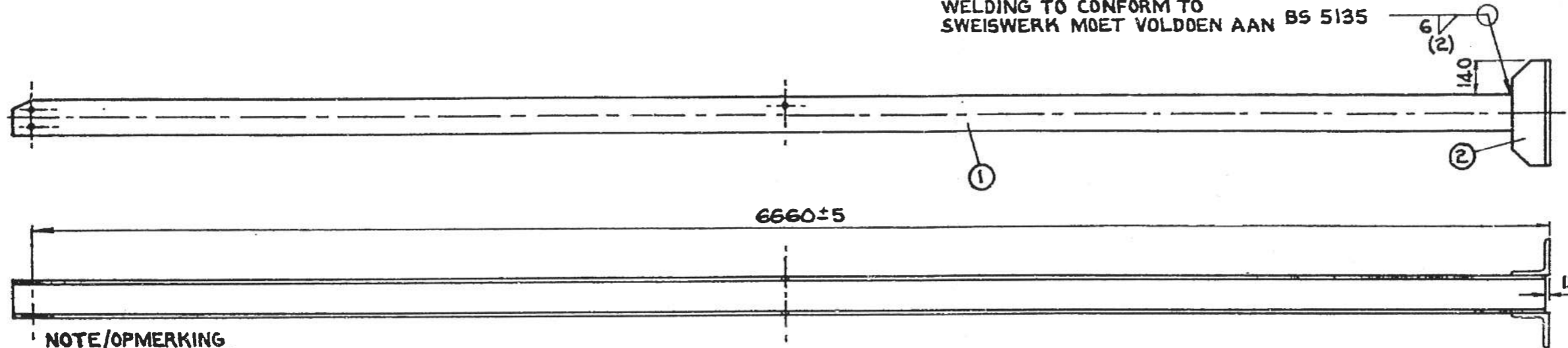
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ORIGINAL FRAME SIZE
OORSPRONKLIKE RAAMGROOTTE 390 X 267

ITEM	DESCRIPTION - BESKRYWING	LENGTH LENGTE	STORES MAGASYN NO.	AMENDMENTS WYSIGINGS		
				NO.	NAME NAAM	DATE DATUM
1	STEEL COLUMN, PARALLEL FLANGE, SPEC. CME 9 SYM. 8 152 X 152 X 37,00 kg/m STAALKOLOM, PARALLELFLENS, SPES. CME 9 SIM. 8 152 X 152 X 37,00 kg/m	6730 ±10	(M) 11/2602			
2	STEEL ANGLE, SPEC. CME 9 SYM. 8 150 X 150 X 12 STAAL HOEK, SPES. CME 9 SIM. 8 150 X 150 X 12	432	(M) 11/14569	1.	B. Stewart	80-09-23

WELDING TO CONFORM TO
SWEISWERK MOET VOLDOEN AAN BS 5135



ITEM 1 MATERIAL
WAS 23,36 kg/m.
ITEM 1 MATERIAAL
WAS 23,36 kg/m
D.O. REF.
TK-VERW. T1/80/17

2 J.W. 80-11-14

DIMENSIONS 6645, 6660 &
6730 WAS 6165, 6180 &
6250 RESPECTIVELY.
AFMETINGS 6645, 6660 &
6730 WAS 6165, 6180 &
6250 RESPEKTIËWELIK.
D.O. REF.
TK-VERW. T1/80/31

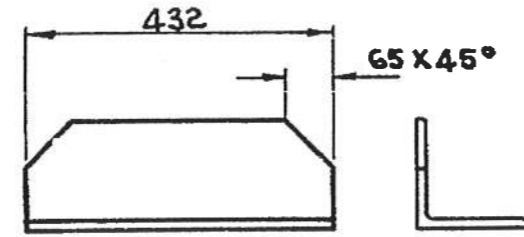
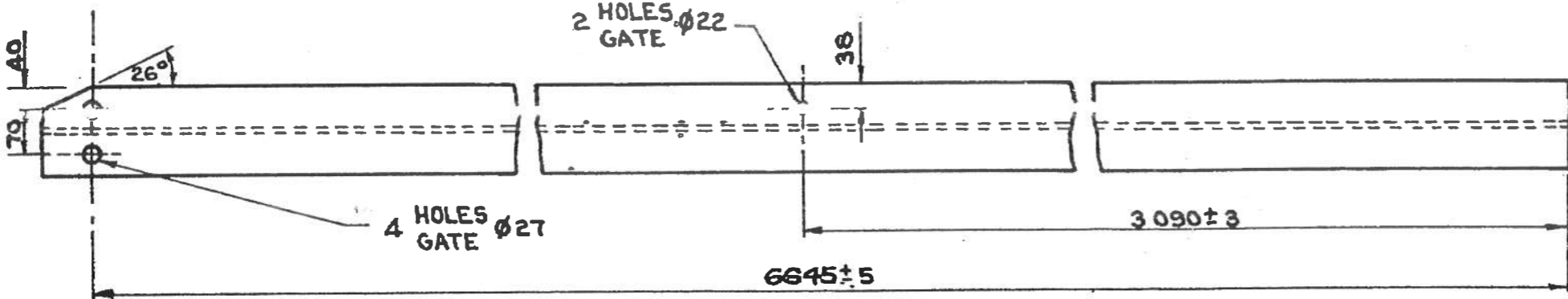
3. J. SWIEGERS. 82-09-30.

NOTE REVISED.
OPM. HERSIEN.
D.O. REF. T2/82/87.
TK-VERW.

NOTE/OPMERKING

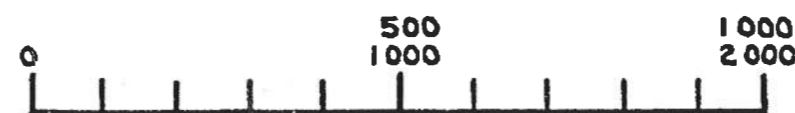
ZINC COAT TO SPEC.
SINKBEDEK VOLGENS SPES. SABS. 763
(AFTER WELDING/NA SWEISWERK)

ASSEMBLY - SAMESTELLING



ITEM 1

ITEM 2



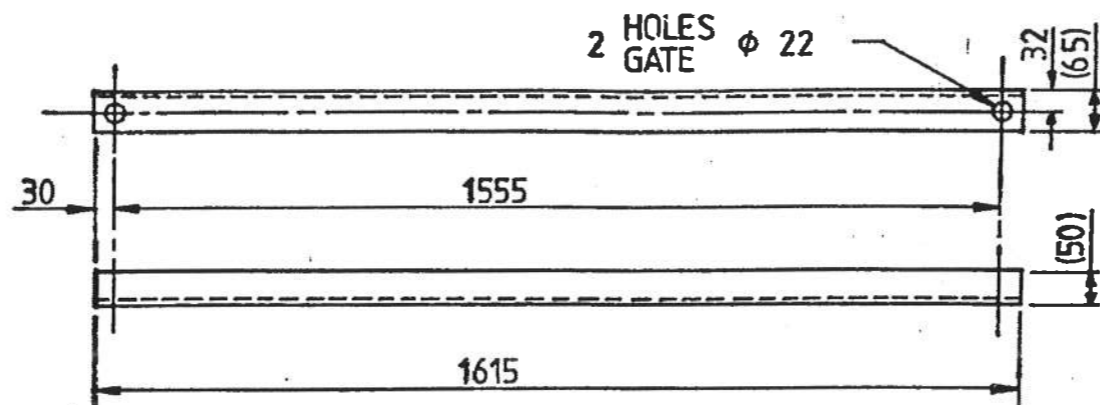
DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

SA TRANSPORT SERVICES
VERVOERDIENSTE

DRN. GET. A. VORSTER	GEN. TOLERANCES: LIN. ± 2 ALG. TOLERANSIES: ANG./HOEK ± 2°	
TRCD. NGT. A. VORSTER	D.O. REF. TK-VERW. Y79/83	ENG. IR.
CKD. NGS. WRG	DATE DATUM 79-03-09	<i>[Signature]</i> for no.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		JOHANNESBURG.

RAKING LEG
UNIVERSAL COLUMNS — UNIVERSELE KOLOMME
STUT

CEE-TMG-73
ASSY. DRG./SAMES.-TEK.
DRAWING
TEKENING NO. CEE-
TMB-73

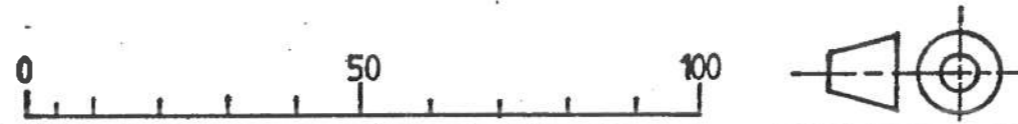


NOTE / OPMERKING

DIMENSIONS: MILLIMETRES.
AFMETINGS: MILLIMETER.

ZINC COAT TO SPEC. SABS 763.
SINKBEDEK VOLGENS SPES

MATERIAL - MATERIAAL.
STEEL, ANGLE 65x50x8.
STAAL, HOEK
SPEC. CME 9 SYM. 8.
SPES. SIM.
STORES
MAGASYN ITEM NO. (M) 11/14582.



DRN. A. VORSTER GET.	GEN. TOLERANCES: LIN ± 1 ALG. TOLERANSIES: ANG/HOEK —	
TRCD. J.J.H. STEYN NGT.	DO. REF. Y78/83 TK. VERW.	ENG. IR.
CKD. WRG. NGS	DATE. 79-03-09. DATUM.	F PIENAAR. for ns.
CHIEF ELECTRICAL ENGINEER JOHANNESBURG. ELEKTRIESE HOOFINGENIEUR		
SOUTH AFRICAN TRANSPORT SERVICES. SUID - AFRIKAANSE VERVOERDIENSTE.		

KNEE BRACE FOR RAKING LEG.
UNIVERSAL COLUMNS-UNIVERSELE KOLOMME.
KNIESPANSTUK VIR STUT.

AMENDMENTS. WYSIGINGS.		
NO.	NAME. NAAM.	DATE. DATUM.
3	B.Stewart	82-03-11.
REDRAWN AND REVISED. OORGETEKEN EN HERSIEN. D.O. REF. T2/82/18 TK. VERW.		
4.	J.SWIEGERS	82-09-30
NOTE REVISED. OPM. HERSIEN. D.O. REF. T2/82/87. TK-VERW.		
CEE-TMG-73 ASSY DRG/SAMES-TEK DRAWING NO. CEE- TEKENING TMHA-213.		

A4

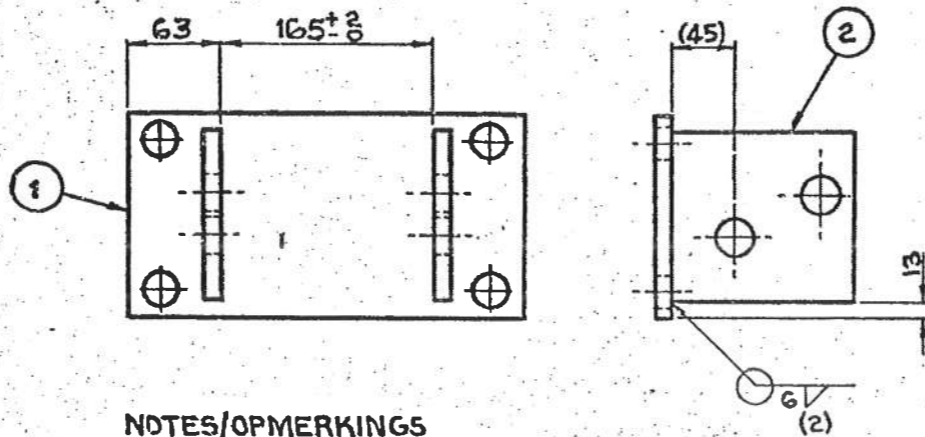
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ITEM	DESCRIPTION-BESKRYWING	QTY KVL	DRG. NO. CEE- TEK.	AMENDMENTS WYSIGINGS	
				NO	NAME NAAM
1	BACK PLATE TEENPLAAT	1	TMHF-41 ITEM 2		
2	PLATE-BRACKET PLAAT-STEUN	2	TMHF-42	3	F. HEYL 87/2/26



NOTES/OPMERKINGS

1. WELDING TO CONFORM TO SWEISWERK MOET VOLDOEN AAN B.S. 5135
2. ZINC COAT TO SPEC. SINKBEDEK VOLGENS SPES. SABS 763.

216*206 ADDED TO TITLE / BY TITEL BYGEOVOEG DO REF TK-VERW T87/37

DIMENSIONS : MILLIMETRES
AFMETINGS : MILLIMETER

SA TRANSPORT SERVICES
VERVOERDIENSTE



DRN GET. A. VORSTER	GEN. TOLERANCES : LIN. ± 1 ALG. TOLERANSIES : ANG./HOEK —	
TRCD. NGT. A. VORSTER	D.O. REF. TK-VERW. Y78/83	ENG. IF.
CKD. NGS. WRG.	DATE DATUM 79-03-09	<i>W. van der Merwe</i> for ms. JOHANNESBURG
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		

**BRACKET
RAKING LEG
STEUN
STUT**
UNIVERSAL COLUMNS 216*206 UNIVERSELE KOLOMME

CEE-TMG-73
ASSY. DRG/SAMES-TEK.

DRAWING
TEKENING NO. CEE-

TMF-433

A4

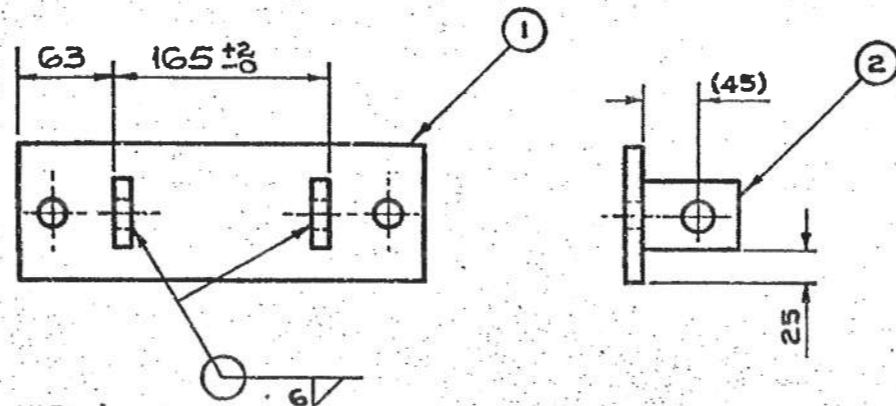
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ITEM	DESCRIPTION - BESKRYWING	QTY HVLD	DRG. NO. CEE - TEK.	AMENDMENTS WYSIGINGS	
1	BACK PLATE TEENPLAAT	1	TMHF-139 ITEM 2	NO.	NAME NAAM
2	PLATE - BRACKET PLAAT - STEUN	2	TMHF-140.	3	F. HEYL
					DATE DATUM
					87/2/26

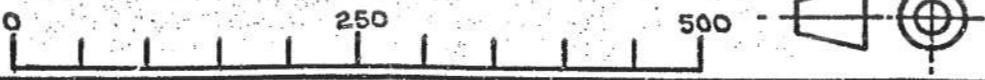


- NOTES/OPMERKINGS**
1. WELDING TO CONFORM TO SWEISWERK MOET VOLDOEN AAN B.S. 5135
 2. ZINC COAT TO SPEC. SINKBEDEK VOLGENS SPES. SABS. 763.

216 * 206 ADDED TO TITLE / BY TITEL BYGEVOEG DO REF TK-VERW T87/37

DIMENSIONS : MILLIMETRES
AFMETINGS : MILLIMETER

SA TRANSPORT SERVICES
VERVOERDIENSTE



DRN. GET. A. VORSTER	GEN. TOLERANCES: LIN. ± 1 ALG. TOLERANSIES: ANG./HOEK —	
TRCD NGT. A. VORSTER	D.O. REF. TK-VERW. Y78/83	ENG. IR. —
CKD. NGS. WRG	DATE DATUM 79-03-09	
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		<i>[Signature]</i> for JOHANNESBURG

BRACKET
RAKING LEG KNEE BRACE
UNIVERSAL COLUMNS 216 * 206 UNIVERSELE KOLOMME
STEUN
STUTKNIESPANSTUK

CEE-TMG-73
ASSY. DRG./SAMES-TEK
DRAWING NO. CEE-
TEKENING
TMF-434

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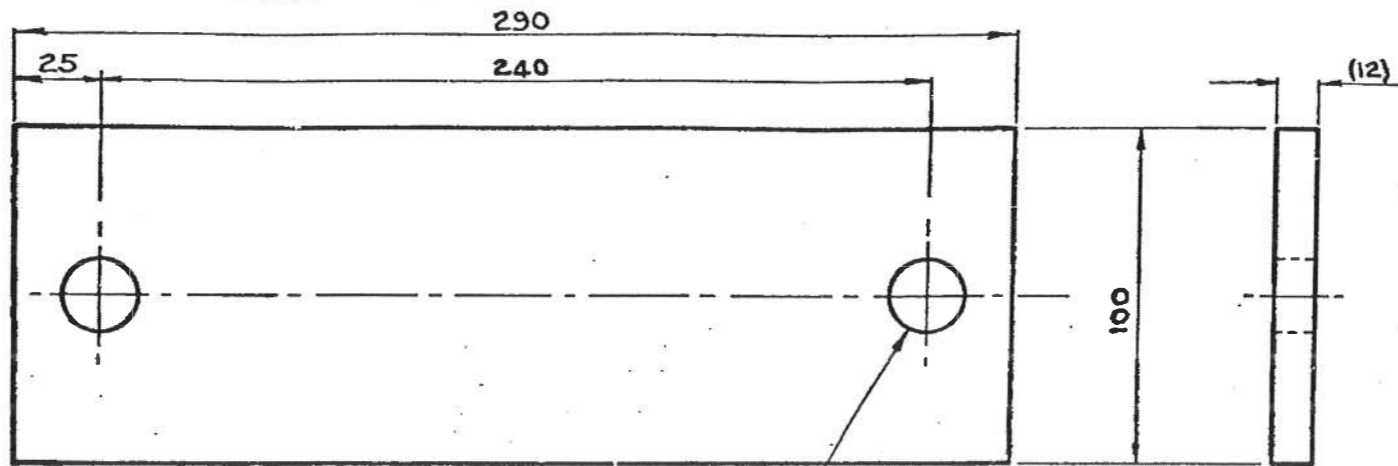
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A4

ORIGINAL FRAME SIZE
OORSPRONKLIKE RAAMGROOTTE 267 X 180



2 HOLES GATE Ø 22

ITEM 1 ZINC COATED TO SPEC. SABS 763.
SINKBEDEK VOLGENS SPES. SABS 763.

ITEM 2 NOT ZINC COATED.
NIE SINKBEDEK NIE.

DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

MATERIAL-MATERIAAL
STEEL, FLAT 100 X 12
STAAL, PLAT
SPEC. CME 9 SYM. 7
SPES. SIM.
STORES ITEM NO. (M) 11/12534
MAGASYN

SA TRANSPORT SERVICES
VERVOERDIENSTE

DRN. GET. A. VORSTER	GEN. TOLERANCES: LIN. ±1 ALG. TOLERANSIES: ANG./HOEK —	
TRCD. NGT. A. VORSTER	D.O. REF. TK-VERW. Y78/83	ENG. IR. —
CKD. NGS. W.R.G.	DATE DATUM 79-03-09	<i>J. Vorster</i> for ns. JOHANNESBURG
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		

BACK PLATE
RAKING LEG KNEE BRACE
UNIVERSAL COLUMNS — UNIVERSELE KOLOMME
TEENPLAAT
STUTKNIESPANSTUK

AMENDMENTS
WYSIGINGS

NO.	NAME NAAM	DATE DATUM
1.	<i>J. Vorster</i>	81-12-03
2.	J. SWIEGERS	82-09-30

DRG. NO. WAS CEE-TMB-69.
ASSY. DRG. NO. REVISED.
TEK. NO. WAS CEE-TMB-69.
SAMEST-TEK. NO. HERSIEN.
D.O. REF. T1/81/60.
TK-VERW.

2. J. SWIEGERS 82-09-30

FINISH OF ITEMS 1&2 REVISED.
AFWERKING VAN ITEMS IEN 2 HERSIEN.
D.O. REF. T2/82/87.
TK-VERW.

CEE-TMG-73
CEE-TMF-434
ASSY. DRG./SAMEST-TEK

DRAWING NO. CEE-
TEKENING TMHF-139.

A4
A4

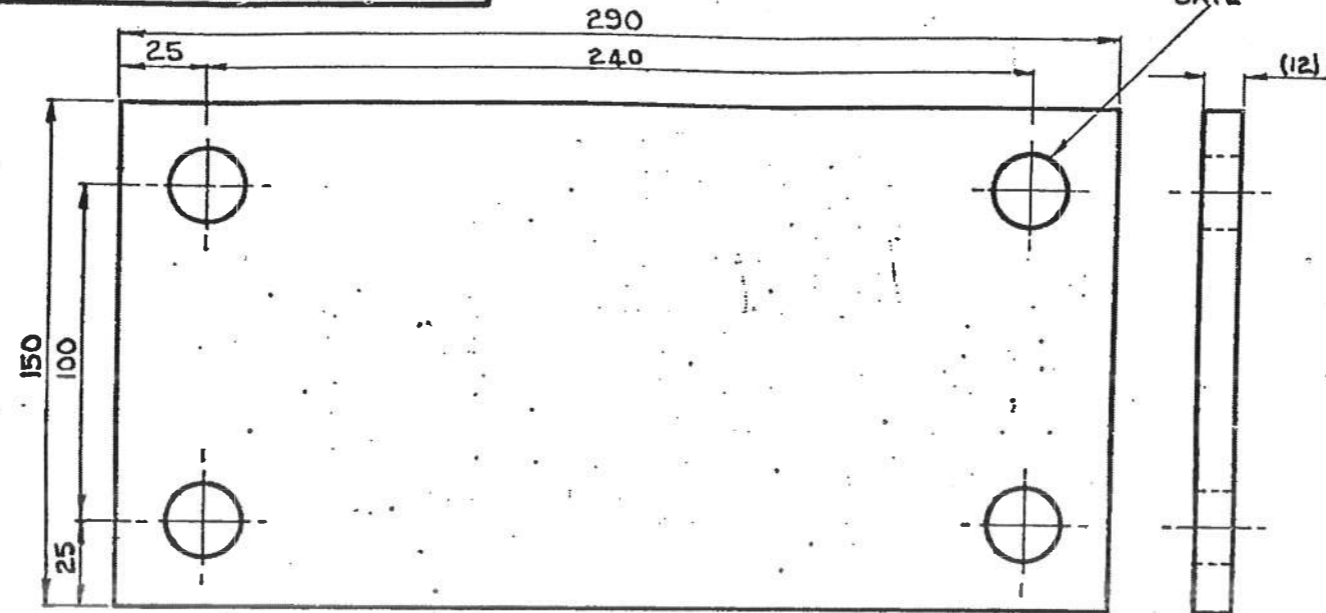
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ORIGINAL FRAME SIZE
OORSPRONKLIEK RAAMGROOTTE 267 X 180



DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

MATERIAL-MATERIAAL
STEEL, FLAT 150 X 12
STAAL, PLAT 150 X 12
SPEC. CME 9 SYM. 7
SPES. CME 9 SIM. 7
STORES ITEM NO. (M) 11/13705
MAGASYN

ITEM 1 ZINC COATED TO SPEC.
SINKBEDEK VOLGENS SPES. SABS 763.

ITEM 2 NOT ZINC COATED.
NIE SINKBEDEK NIE.

SA TRANSPORT SERVICES
VERVOERDIENSTE

DRN. GET. A. VORSTER	GEN. TOLERANCES: LIN. ± 1	
TRCD. NGT. A. VORSTER	ALG. TOLERANSIES: ANG/HOEK	
CHKD. NGS. WRG	D.O. REF. TK-VERW. Y78/83	ENG. IR.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR	DATE DATUM 79-03-09	<i>[Signature]</i> for ns. JOHANNESBURG

BACK PLATE
RA KING LEG
TEENPLAAT
STUT
UNIVERSAL COLUMNS — UNIVERSELE KOLOMME

AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM
1.	<i>[Signature]</i>	81-12-03
2.	J. SWIEGERS	82-09-30

DRG. NO. WAS CEE-TMB-71.
ASSY. DRG. NO. REVISED.
TEK. NO. WAS CEE-TMB-71.
SAMEST-TEK. NO. HERSIEN.
D.O. REF. T1/81/60
TK-VERW.

FINISH OF ITEMS 1 & 2 REVISED.
AFWERKING VAN ITEMS 1 EN 2 HERSIEN.
D.O. REF. T2/82/87
TK-VERW.

CEE-TMF-433
CEE-TMG-73
ASSY. DRG./SAMEST-TEK.
DRAWING NO. CEE-
TEKENING
TMHF-141

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A4

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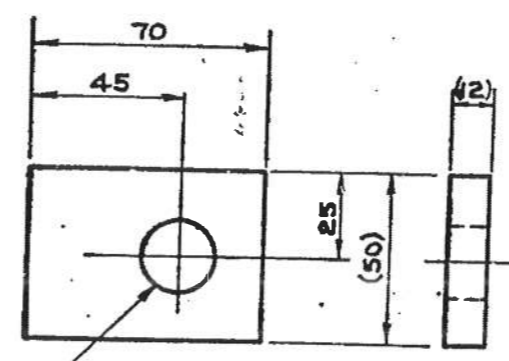
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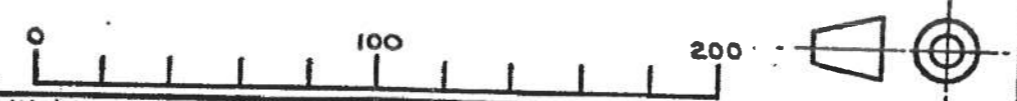
ORIGINAL FRAME SIZE
OORSPRONKLIKE RAAMGROOTTE 267 X 180

AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM
1.	gls	81-12-03



DRG. NO. WAS
CEE-TMB-70.
ASSY. DRG. NO.
REVISED.
TEK. NO. WAS
CEE-TMB-70.
SAMEST-TEK. NO.
HERSIEN.
DO. REF. T/81/60
TK-VERW.

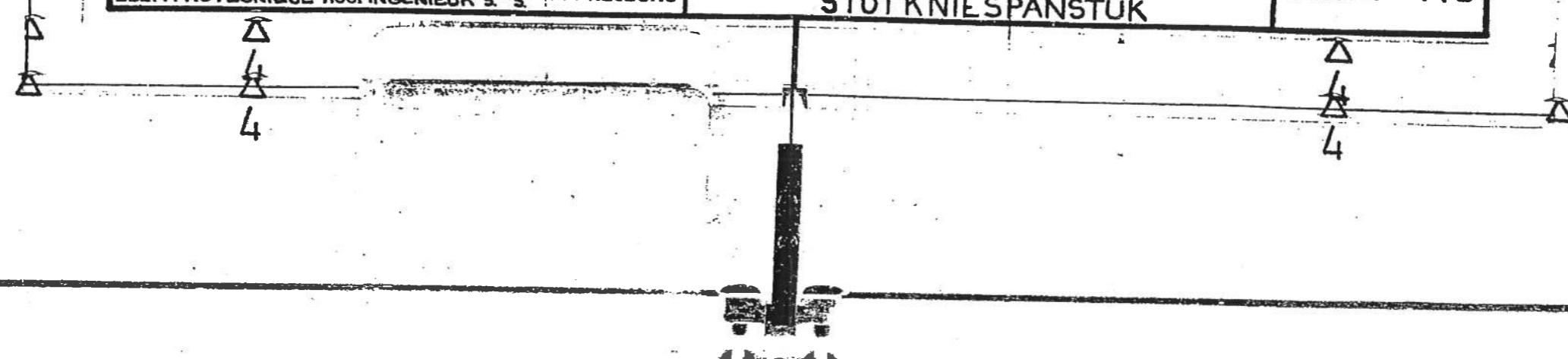
DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER
MATERIAL - MATERIAAL
STEEL, FLAT 50 X 12
STAAL, PLAT
SPEC. CME 9 SYM. 7
SPES. CME 9 SIM. 7
STORES ITEM NO. (M) 11/12509
MAGASYN



DRN. GET. A. VORSTER	GEN TOLERANCES: LIN. ± 1 ALG. TOLERANSIES: ANG./HOEK —	
TRCD. NGT. A. VORSTER	D.O. REF. TK-VERW. Y78/83	ENG. IR.
CKD. NGS. W.R.G.	DATE DATUM 79-03-09	<i>[Signature]</i> For no.
CHIEF ELECTRICAL ENGINEER S.A.R. JOHANNESBURG ELEKTROTEGNIESE HOOFINGENIEUR S.A.S.		

PLATE - BRACKET
RAKING LEG KNEE BRACE
UNIVERSAL COLUMNS — UNIVERSELE KOLONNE
PLAAT - STEUN
STUTKNIESPANSTUK

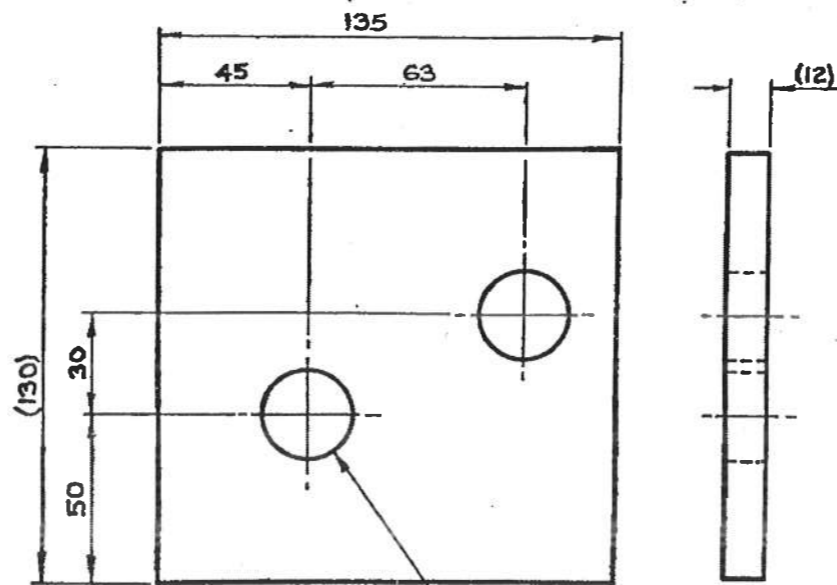
CEE-TMF-434
ASSY. DRG./SAMEST-TEK.
DRAWING NO. CEE-
TEKENING NO. CEE-
TMHF-140



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ORIGINAL FRAME SIZE
 OORSPRONKLIKE RAAMGROOTTE 267 X 180



DIMENSIONS : MILLIMETRES
 AFMETINGS : MILLIMETER
 MATERIAL-MATERIAAL
 STEEL, FLAT 130 X 12
 STAAL, PLAT 130 X 12
 SPEC. CME 9 SYM. 7
 SPES. CME 9 SIM. 7
 STORES ITEM NO. (M)11/12558
 MAGASYN

2 HOLES
 GATE Ø27

AMENDMENTS WYSIGINGS		
NO	NAME NAAM	DATE DATUM
1.	gus.	81-12-03

DRG. NO. WAS
 CEE-TMB-72.
 ASSY. DRG. NO.
 REVISED.
 TEK. NO. WAS
 CEE-TMB-72.
 SAMEST-TEK. NO.
 HERSIEN.
 DO. REF T/18/60
 TK-VERW.

DRN. GET. A. VORSTER	GEN. TOLERANCES : LIN. ± 1 ALG. TOLERANSIES : ANG/HOEK —	
TRCD. NGT. A. VORSTER	D.S. REF. TK-VERW. Y78/83	ENG. IR.
CKD. NGS. WRG.	DATE DATUM 79.03.09	<i>[Signature]</i> for ns.
CHIEF ELECTRICAL ENGINEER S.A. R. JOHANNESBURG ELEKTROTEGNIESE HOOFINGENIEUR S.S.		

PLATE-BRACKET
 RAKING LEG
 UNIVERSAL COLUMNS — UNIVERSELE KOLOMME
 PLAAT-STEUN
 STUT

CEE-TMF-433.
 ASSY. DRG./SAMEST-TEK
 DRAWING NO. CEE-
 TEKENING NO. CEE-
 TMHF-142

A4
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 3

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 4

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 4

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 3