



TFR RME RFQ Board  
 TFR RME RFQ Board  
 TRANSNET FREIGHT RAIL RME  
 PROCUREMENT DEPARTMENT

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

**Attention:**  
 Telephone Number :  
 Fax Number :  
 Vendor Number :500000

**Quotation Deadline Date : 22.02.2013**  
**Quotation Deadline Time : 16:00**

**REQUEST for QUOTATION**  
 Transnet Capital Projects  
**RFQ Number / Date**  
 6000149185 / 12.02.2013  
**Contact Person / Telephone**  
 Troy Stevens / 021 940 1892  
**Return to VAX Number/EMAIL**  
 0218100000 / TCPtendersCapeTown@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00010		Steel crossarm	90	ea	01.03.2013			

Steel crossarm  
 Crossarm transmission line PFC-78

As per attached drawings

Requester and Delivery Address:

Jeff Niemand - Transnet Freight Rail (RME)  
 Supply, Manufacture and deliver to Bellville stores  
 Cape Town Western Cape

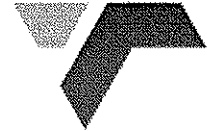
Tel: 021 940 1815  
 Jeff Niemand 083456385  
 Email: jeff.niemand@transnet.net  
 Fax: 021 9401938

If you are unable to quote for this enquiry, please submit a NO QUOTE, with a short reason, if possible, for not being able to quote.

Transnet SOC Limited  
 T/A Transnet Capital Projects  
 TFR RME RFQ Board  
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Otherwise we look forward to receive your quote by the date and time stated.

00020		Steel crossarm EW	10	ea	01.03.2013			
Steel crossarm EW Crossarm earthwire PFC-86 Jeff Niemand 083456385								
00030		Steel bracket	40	ea	01.03.2013			
Steel bracket Bracket lightning arrestor PFC-103 Jeff Niemand 083456385								

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 T/A Transnet Capital Projects  
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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00040		Steel beam top	6	ea	01.03.2013			
Steel beam top Beam transformer mounting top PFC-91  Jeff Niemand 083456385								
00050		Steel beam bottom	3	ea	01.03.2013			
Steel beam bottom Beam transformer mount bottom PFC 92  Jeff Niemand 083456385								
00060		Steel brace	12	ea	01.03.2013			
Steel brace Brace transformer PFC-98								

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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
		Jeff Niemand 083456385						
00070		Steel support	12	ea	01.03.2013			
		Steel support Support transformer PFC-95 Jeff Niemand 083456385						
00080		Steel channel	12	ea	01.03.2013			
		Steel channel Back channel transformer beam PFC-100 Jeff Niemand 083456385						

PREVIEW COPY ONLY



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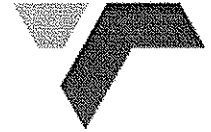
**REQUEST for QUOTATION**  
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**Return to VAX Number/EMAIL**  
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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00090		Steel beam fuse	3	ea	01.03.2013			
Steel beam fuse Beam cut out fuse PFC-89 Jeff Niemand 083456385								
00100		Steel support cable	6	ea	01.03.2013			
Steel support cable Support transformer cable PFC-96 Jeff Niemand 083456385								
00110		Steel beam member	6	ea	01.03.2013			
Steel beam member								

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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
		Beam topmost member PFC-110 Jeff Niemand 083456385						
00120		Steel bundle	36	ea	01.03.2013			
		Steel bundle Crossarm bundle support PFC-130 Jeff Niemand 083456385						
00130		Steel strap	240	ea	01.03.2013			
		Steel strap Make off strap 54/110217 Jeff Niemand 083456385						

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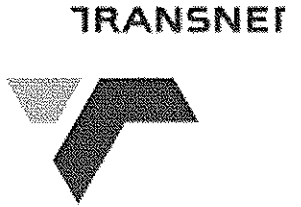
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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00140		Steel bracket EW	180	ea	01.03.2013			
Steel bracket EW Bracket earth wire make off PFC-84  Jeff Niemand 083456385								
00150		Steel pipe	300	ea	01.03.2013			
Steel pipe Steel pipe 25mm dia HDG 205 long  As per attached drawings  Requester and Delivery Address:  Jeff Niemand - Transnet Freight Rail (RME) Supply, Manufacture and deliver to Bellville stores Cape Town Western Cape								

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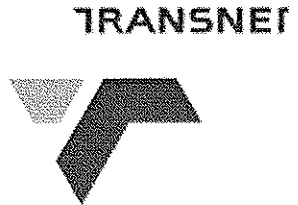
PREVIEW COPY ONLY



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**Return to VAX Number/EMAIL**  
0218100000 / TCPtendersCapeTown@Transnet.net

**Delivery Address**

TFR RME Cape Town  
De Gatt Complex, Behind Propnet Ind Park, Off Modderdam Rd  
Bellville South, Cape Town  
7530

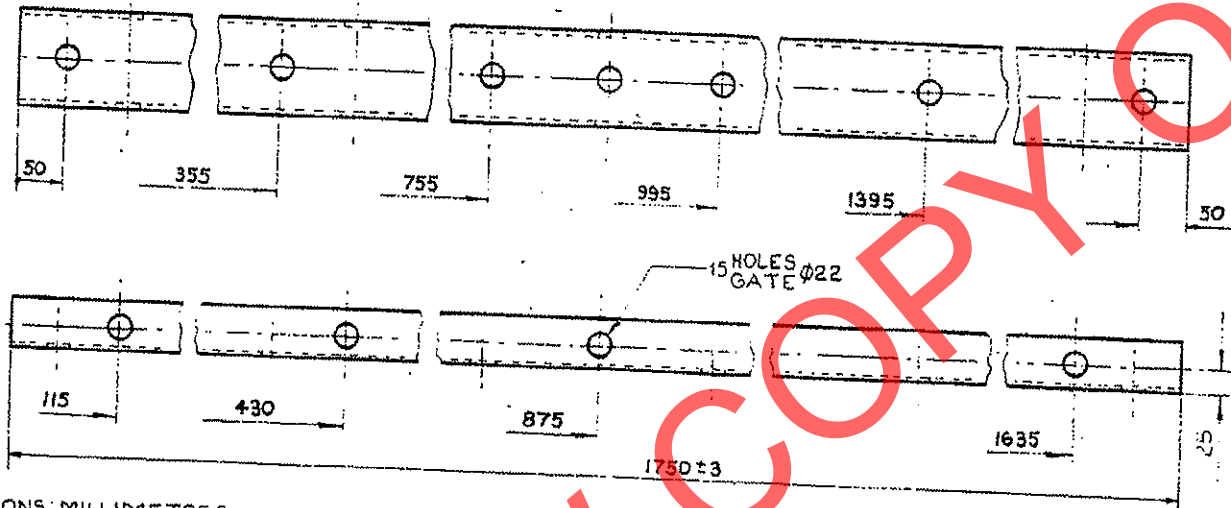
This RFQ is subject to the following conditions:

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  
DOORSPRONKLIKE RAAMGROOTTE 390X267



DIMENSIONS: MILLIMETRES  
AFMETINGS: MILLIMETER

MATERIAL-MATERIAAL

- 1) STEEL CHANNEL 100 x 60 x 10,6 kg/m  
STAAL KANAAL  
STORES ITEM NO. (M) 11/14683.  
MAGASYNITEM  
ALTERNATIVE/ALTERNATIEF
- 2) STEEL CHANNEL 102 x 61 x 10,4 kg/m  
STAAL KANAAL  
STORES ITEM NO. 11/22165  
MAGASYNITEM

SPEC. CME 9 SYM. 8  
SPES. CME 9 SIM. 8

FINISH: ZINC COAT TO SPEC S.A.B.S. 763  
AFWERKING: SINKBEDEK VOLG. SPE3.

DRN GET B VAN RENSBURG	GEN. TOLERANCES: LIN ± 1 ALG. TOLERANSIES: ANG./HOEK
TRCD NGT. B VAN RENSBURG	DO. REF. TK-VERW. 76/13
CKD NGS V.R.G.	DATE DATUM 7/2003
CHIEF ELECTRICAL ENGINEER S. R. JOHANNESBURG ELEKTROTEGNESE HOOFINGENIEUR S. R. JOHANNESBURG	

CROSS ARM, PHASE WIRES.  
MAKE OFF, TRANSMISSION LINE ON TRACK STRUCTURE.  
UNIVERSAL COLUMNS 203 X 203 UNIVERSELE KOLOMME.  
DWARSARM, FASEDRADE  
AFHEFTING, TRANSMISSIELYN OP BOBAANSTRUKTUUR.

CEE-PFB-18  
CEE-PFC-83  
ASSY. DRG./SAMEST TEK.

DRAWING NO. CEE  
TEKENING NO. CEE  
PFC-78

AMENDMENT WYSIGINGS	
NO. NO.	NAME NAAM
DATE DATUM	
1	A. Vorster
	82-03-17
ADDITIONAL CENTRE HOLE ADDED BYKOMSTIGE MIDDELGAT BYGEVOEG	
D.O. REF. TK-VERW. P78/80	
2.	A. Vorster
	82-03-17
DIMENSIONS ALTER. AFMETINGS VERANDER D.O. REF. TK-VERW. P82/10	

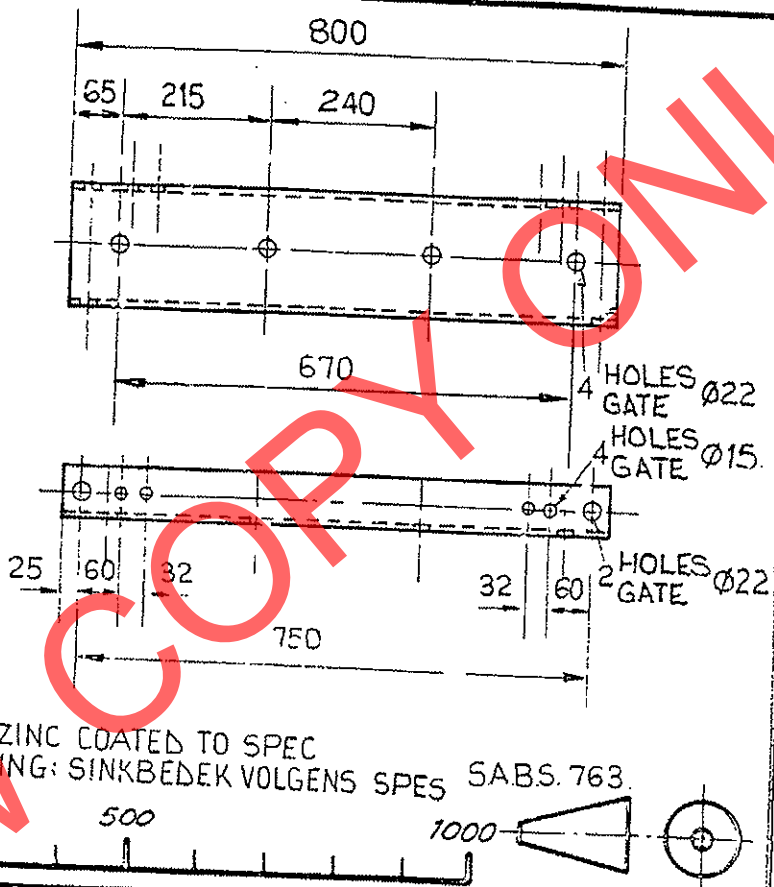
DIMENSIONS: MILLIMETRES.  
AFMETINGS: MILLIMETER.

MATERIAL-MATERIAAL

CHANNEL, STEEL 180X70  
KANAAL, STAAL

SPEC CME 9 SYM. 8  
SPES CME 9 SIM.

STORES ITEM NO (M) 11/14723.  
MAGASYN



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

AMENDMENTS WYSIGINGS		
NO	NAME NAAM	DATE DATUM
1.	M.ELLIS	82-04-23

REDRAWN AND  
DIMENSIONS  
ALTERED.  
OORGETEKEN EN  
AFMETINGS HER-  
SIEN  
D.O. REF P82/10  
T.K-VERW

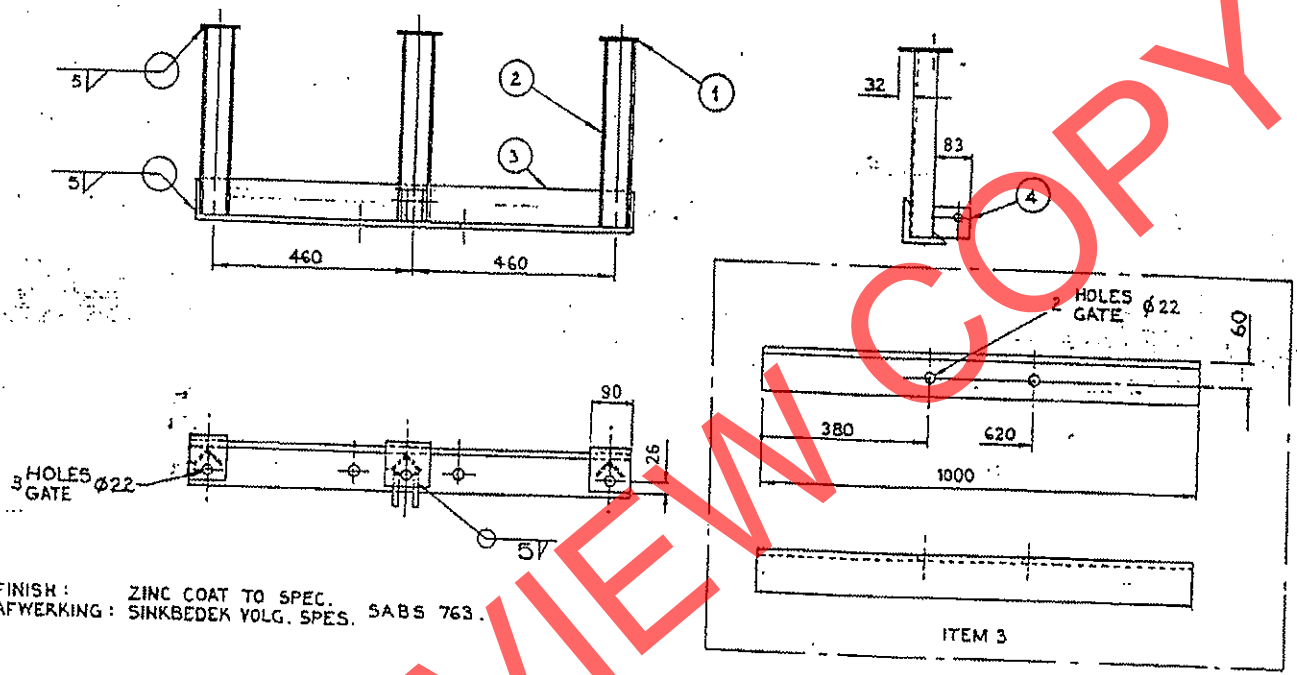
DRN. GET B.STEWART.	GEN. TOLERANCES : LIN: ± 1 ALG. TOLERANSIES : LANG/HOEK
TRCD NGT. H KLĀD	D.O. REF. T79/31 TK-VERW. IR
CKD. NGS WRG.	DATE 80-05-07 DATUM
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR	R.DAVIDSON for ns. JOHANNESBURG
SOUTH AFRICAN TRANSPORT SERVICES SUID - AFRIKAANSE VERVOERDIENSTE	

CROSS ARM FOR EARTH WIRE  
MAKE - OFF H-MAST FOR  
TRANSMISSION LINES 206±216  
UNIVERSAL COLUMN.  
DWARSARM VIR AARDDRAAD  
ANKER.H-MAS VIR TRANSMISSIE-  
LYNE 206±216 UNIVERSELE KOLOM

CEE-PFB-20,18.  
ASSY DRG/SAMES.TEK  
DRAWING NO. CEE-  
TEKENING  
PFC - 86

A4

ITEM	DESCRIPTION / BESKRYWING	QTY HVLD	STORES MAGASYN ITEM	DRG. NO. CEE TEK.	AMENDMENTS. WYSIGINGS.
1	STEEL, FLAT (SPEC. CME 9 SYM. 7) STAAL, PLAT (SPES. CME 9 SIM. 7) 100 x 6 x 90 L	3	(M)11/12319		NO. NAME NAAM DATE DATUM
2	STEEL, ANGLE (SPEC. CME 9 SYM. 8) STAAL, HOEK (SPES. CME 9 SIM. 8) 50 x 50 x 6 x 420 L	3	(M)11/14481		H. Coetzee 90-08-05
3	STEEL, ANGLE (SPEC. CME 9 SYM. 8) STAAL, HOEK (SPES. CME 9 SIM. 8) 100 x 100 x 15 x 1000 L	1	(M)11/14481		ITEM 3 CHANGED AND ITEM 4 ADDED ITEM 3 VERANDER EN ITEM 4 BYGEVOEG D.O. REF. P80/166 TK-VERW.
4	83mm GUSSET PLATE KNOOPPLAAT	2		TMH-16	



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

DIMENSIONS : MILLIMETRES. AFMETINGS : MILLIMETER	
DRN GET. A.J. VORSTER	GEN. TOLERANCES : LIN. ±1 ALG. TOLERANSIES : ANG/HOEK
TRCD. NGT C.v. STADEN	D.O. REF. TK-VERW. P79/80
CKD. NGS. J. Senekal	DATE DATUM 80-05-07
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR	
SOUTH AFRICAN TRANSPORT SERVICES SUID-AFRIKAANSE VERVOERDIENSTE	

**BRACKET : SURGE DIVERTER**  
H-MAST FOR TRANSMISSION LINES  
**STEUN : STUWINGOMLEIER -**  
H-MAS VIR TRANSMISSIELYNE

UNIVERSAL COLUMNS 203 x 203 UNIVERSELE KOLOMME

AMENDMENTS. WYSIGINGS.		
NO.	NAME NAAM	DATE DATUM
1	H. Coetzee	90-08-05
2	E. Louw	82-03-29
3	T. Human	82-10-28
4	T. Human	83-10-28

HOLE IN ITEM 1 INDICATED AND ASSY. DRG. NOS. ADDED.  
GAT IN ITEM 1 AANGETOON EN SAMEST. TEK. NOS. BYGEVOEG.  
D.O. REF. P82/10  
TK-VERW.

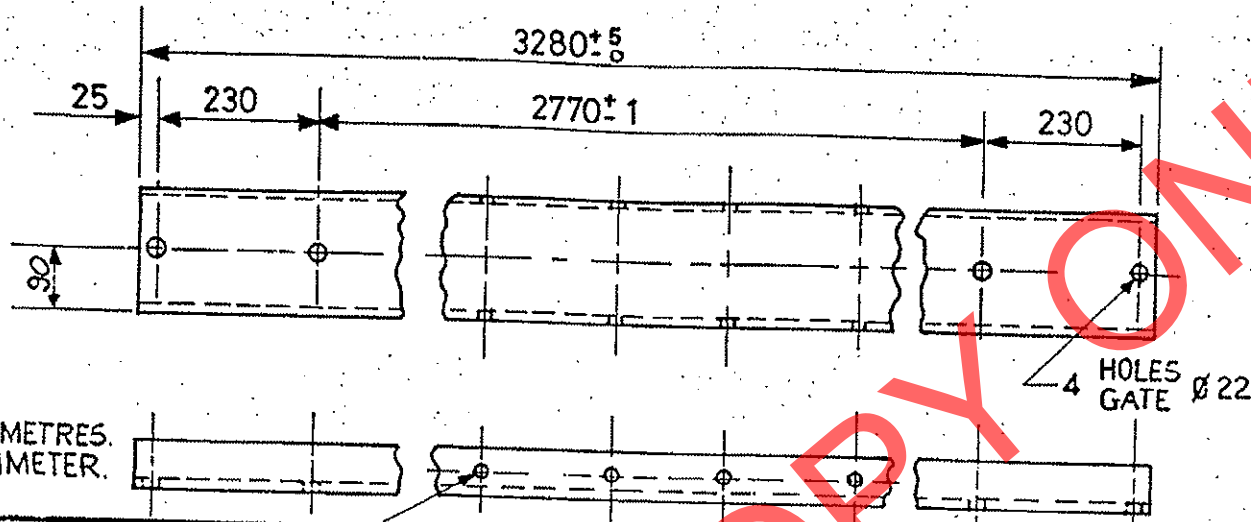
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TITELBLOK VERANDER.  
DO REF. P82/222  
TK-VERW.

DIMENSIONS 26 & 83 ADDED.  
AFMETINGS 26 EN 83 BYGEVOEG.  
D.O. REF. P83/242  
TK-VERW.

CEE-PFB-18, 19, 20  
ASSY. DRG. / SAMEST. TEK.  
DRAWING  
TEKENING NO. CEE-

PFC-103

A3



DIMENSIONS: MILLIMETRES.  
AFMETINGS: MILLIMETER.

MATERIAL-MATERIAAL

CHANNEL STEEL 180X70  
KANAAL STAAL

SPEC CME9 SYM 8.  
SPES CME9 SIM 8.

STORES ITEM NO (M) 11/014723  
MAGASYN

4xØ22 HOLES TO SUIT BASE OF TRANSFORMER(S).  
GATE OM VOETSTUK VAN TRANSFORMATOR(S) TE PAS.

FINISH: ZINC COAT TO SPECIFICATION  
AFWERKING: SINKBEDEK VOLGENS SPESIFIKASIE SABS 763.



AMENDMENTS  
WYSIGINGS

NO.	NAME NAAM	DATE DATUM
1	M. ELLIS	82-04-23

REDRAWN AND DIMENSIONS ALTERED.  
OORGETEKEN EN AFMETINGS HERSIEN.  
D.O. REF. P82/10  
T.K. VERW.

2	T. Human	84-3-22
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HOLE SIZE CHANGED.  
GAT GROOTTE VERANDER.  
D.O. REF. P83/263  
TK-VERW.

CEE-PFB-18,20.

ASSY DRG/SAMESTEK

DRAWING NO. CEE-  
TEKENING

PFC-91

DRN. GET. A.J. VORSTER	GEN. TOLERANCES ALG. TOLERANSIES	LIN 1 ANG/HOEK
TRCD NGT. H. KLCO	D. O. REF. TK-VERW. P79/80	ENG. IR.
CKD NGS. J. SENEKAL	DATE DATUM 80-05-07	R. DAVIDSON for ns.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR	JOHANNESBURG	
SOUTH AFRICAN TRANSPORT SERVICES SUID - AFRIKAANSE VERVOERDIENSTE		

BEAM, TRANSFORMER MOUNTING  
(TOP) H-MAST FOR TRANSMISSION  
LINES 203 203 UNIVERSAL COLUMNS  
BALK, TRANSFORMATOR MONTERING  
(BO) H-MAS VIR TRANSMISSIELYNE  
203x203 UNIVERSELE KOLOMME.

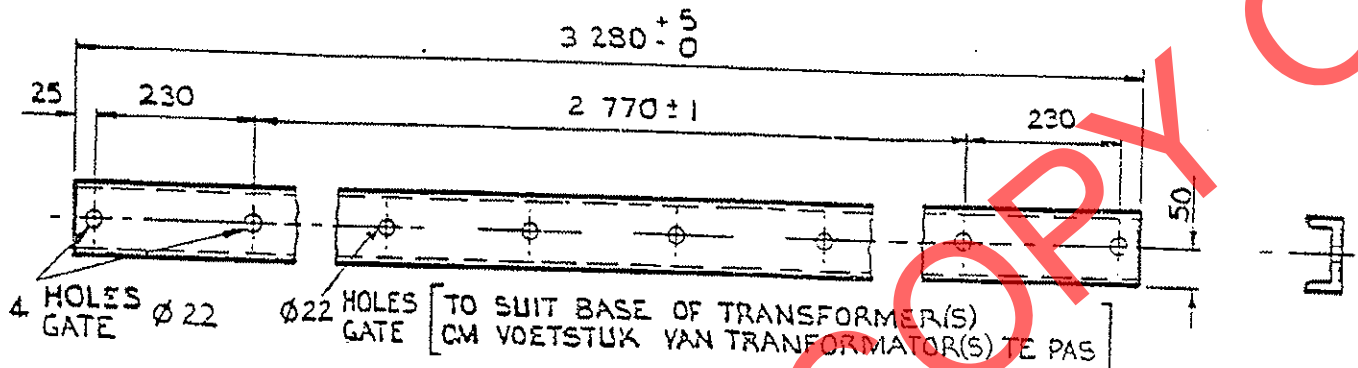
A4



ORIGINAL FRAME SIZE  
OORSPRONKLIKE RAAMGROOTTE 267x190

AMENDMENTS.  
WYSIGINGS

NO.	NAME NAAM	DATE DATUM
1	E. Louw.	82-04-26



ASSY. DRG. NO.  
ADDED.  
SAMES. TEK NO.  
BYGEVOEG.  
D.O. REF P92/10  
TK. VERW

DIMENSIONS : MILLIMETRES.  
AFMETINGS : MILLIMETER.

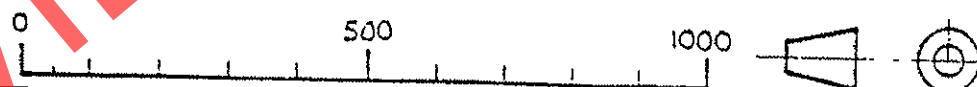
FINISH : ZINC COAT TO SPEC.  
AFWERKING : SINKBEDEK VOLGENS SPES. SABS 763.

MATERIAL - MATERIAAL

CHANNEL STEEL 100x50x3280L  
KANAAL STAAL

SPEC. CME 9 SYM. 8  
SPES. CME 9 SIM.

STORES ITEM NO. (M) 11/14683  
MAGASYN



DRN GET. A. J. VORSTER	GEN TOLERANCES : LIN ± 1 ALG TOLERANSIES : ANG. HOEK. —
---------------------------	------------------------------------------------------------

TRCD NS7 C. v. STADEN	D.O. REF TK. VERW P79/80	ENG. IR. —
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CKD. NS5 J. Sankal	DATE DATUM 80-05-07	For 75
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CHIEF ELECTRICAL ENGINEER S R  
ELEKTRIESE HOOFINGENIEUR E A S JORNAALSBURG

BEAM, TRANSFORMER MOUNTING (BOTTOM)  
H-MAST FOR TRANSMISSION LINES  
203x203 UNIVERSAL COLUMNS.

BALK, TRANSFORMATORMONTERING (ONDER)  
H-MAS VIR TRANSMISSIELYNE  
203x203 UNIVERSELE KOLOMME.

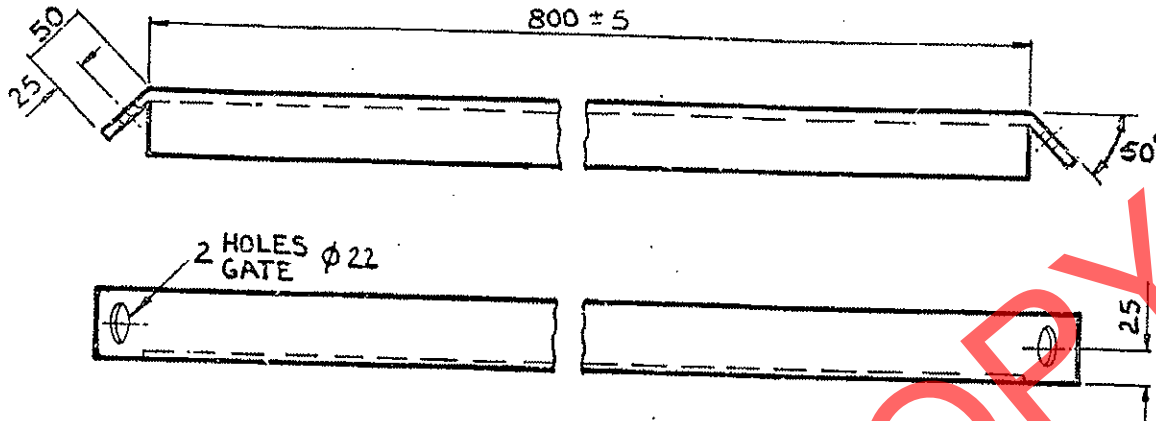
CEE-PFB-20.  
SHT  
CEE-PFB-18 VEL 2  
ASSY DRG / SAMES.-TEK

DRAWING  
TEKENING NO. CEE-

PFC-92

14  
14

ORIGINAL FRAME SIZE  
OORSPRONKLIKE PAAMGROOTTE 267x180



AMENDMENTS.  
WYSIGINGS

NO.	NAME. NAAM	DATE DATUM
1.	A.J.V.	82-03-30

ASSY DRG. NO. ADDED  
SAMES. TEK NR.  
BYGEOEB.  
D.O. REF. P82/10  
TK.-VERW

DIMENSIONS : MILLIMETRES  
AFMETINGS : MILLIMETER.

MATERIAL - MATERIAAL

STRUCTURAL ANGLE, STEEL 50x50x6x90L  
STRUKTUURHOEK, STAAL

SPEC. CME9 SYM. B  
SPES. SIM. 8

STORES (M) 11/14481  
MAGASYN

FINISH: ZINC COAT TO SPECIFICATION  
AFWERKING: SINKBEDEK VOLGENS SPESIFIKASIE SABS 763



CEE-PFB-20  
CEE-PFB-18 SHT 2  
VEL  
ASSY DRG./SAMES.-TEK.

DRAWING  
TEKENING NO. CEE-

PFC-98

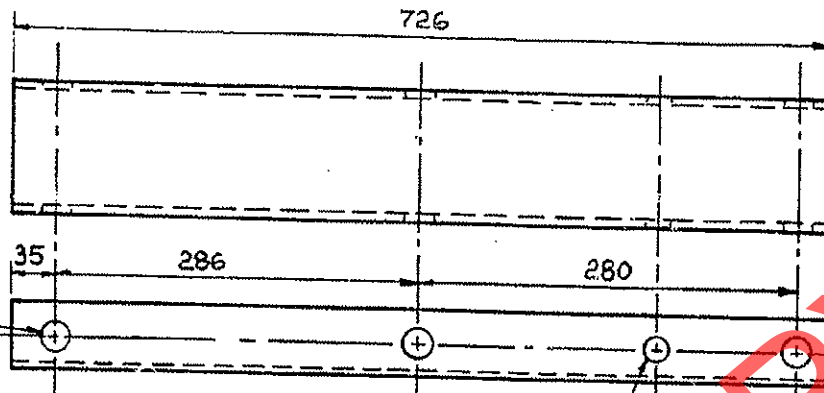
DRN. GET. A. J. VORSTER	GEN. TOLERANCES: LIN. 51 ALG. TOLERANSIES: ANG./HOEK 51°
TRCD NGT C.v. STADEN	D.O. REF. P79/80 TK. VERW. ENG. IR.
CKD. NGS J. Senekal	DATE 80-05-07 DATUM
CHIEF ELECTRICAL ENGINEER S R JOHANNESBURG. ELEKTRIESE HOOFINGENIEUR S A JOHANNESBURG.	

BRACE: TRANSFORMER  
H-MAST FOR TRANSMISSION LINES  
203x203 UNIVERSAL COLUMNS

SPANSTUK: TRANSFORMATOR-  
H-MAS VIR TRANSMISSIELYNE  
203x203 UNIVERSELE KOLOMME

A4  
A4

“PRELIMINARY”



3 x  $\phi 22$  HOLES  
GATE

DIMENSIONS: MILLIMETRES.  
AFMETINGS: MILLIMETER.

MATERIAL - MATERIAAL

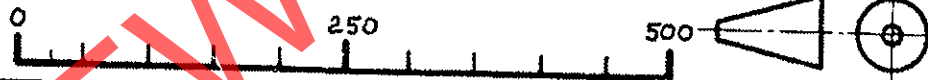
CHANNEL STEEL 100 x 50 x 700L  
KANAAL STAAL 100 x 50 x 700L

SPEC. CME 9 SYM. 8  
SPES. SIM. 8

STORES ITEM NO. (M) 11/14683  
MAGASYN

$\phi 18$  HOLE (TO SUIT BASE OF TRANSFORMER)  
GAT (OM VOETSTUK VAN TRANSFORMATOR TE PAS)

FINISH: ZINC COAT TO SPECIFICATION  
AFWERKING: SINKBEDEK VOLGENS SPESIFIKASIE SABS 763



AMENDMENTS  
WYSIGINGS

NO.	NAME NAAM	DATE DATUM
1.	A.J.V.	82-03-30

REDRAWN AND  
DIMENSIONS  
ALTERED.  
OORGETEKEN EN  
AFMETINGS  
VERANDER.  
D.O. REF. P82/10  
TK-VERW

CEE-PFB-20

CEE-PFB-18 SHT. 2  
VEL.

ASSY DRG./SAMES-TEK

DRAWING NO. CEE-  
TEKENING

PFC-95

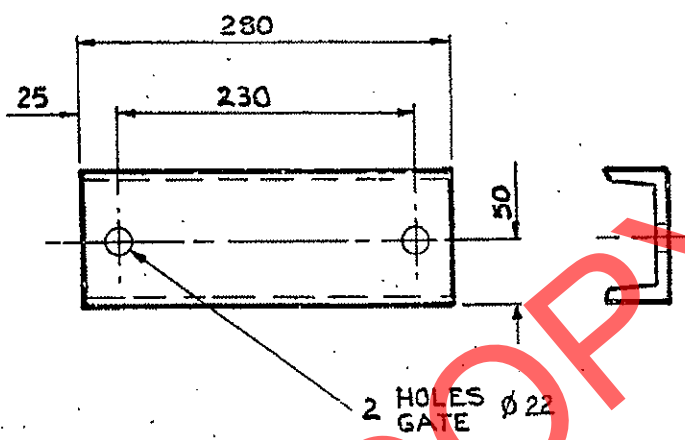
DRN. GET. A. VORSTER	GEN. TOLERANCES: LIN. ALG. TOLERANSIES: ANG./HOEK	
TRCD. NGT. GABRAHAM	D.O. REF. P79/80 TK-VERW.	ENG. IR.
CKD. NGS. J. SENEKAL	DATE DATUM 80/05/07	R. DAVIDSON for ns
CHIEF ELECTRICAL ENGINEER ELEKRIESE HOOFINGENIEUR JOHANNESBURG		
SOUTH AFRICAN TRANSPORT SERVICES SUID - AFRIKAANSE VERVOERDIENSTE		

SUPPORT, TRANSFORMER  
H-MAST FOR TRANSMISSION LINES  
203 x 203 UNIVERSAL COLUMNS  
STEUN, TRANSFORMATOR -  
H-MAS VIR TRANSMISSIELYNE  
203 x 203 UNIVERSELE KOLOMME



ORIGINAL FRAME SIZE  
OORSPRONKLIKE RAAMGROOTTE 267x180

AMENDMENTS. WYSIGINGS		
NO.	NAME NAAM	DATE DATUM
1.	E. Louw	82-03-24

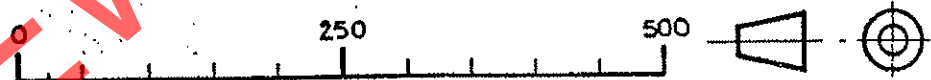


ASSY DRG. NO'S.  
ADDED.  
SAMEST. TEK. NOS.  
BYGEVOEG.  
D.O. REF. P82/10  
TK-VERW.

DIMENSIONS: MILLIMETRES.  
AFMETINGS: MILLIMETER.

MATERIAL - MATERIAAL  
CHANNEL STEEL 100x50x280L  
KANAAL STAAL  
SPEC (ME 9 SYM. 8  
SPES (SIM.  
STORES ITEM NO. (M)11/14683  
MAGASYN

FINISH: ZINC COAT TO SPECIFICATION  
AFWERKING: SINKBEDEK VOLGENS SPESIFIKASIE SABS 763



DRN. GET. A.J. VORSTER	GEN. TOLERANCES: LIN. ± 1 ALG. TOLERANSIES: ANG./HOEK. —	
TRCD. NGT. C.V. STADEN	D.O. REF. TK. VERW. P79/80	ENG. IR. —
CKD. NGS. J. Seckel	DATE. DATUM. 80-05-07	for ns
CHIEF ELECTRICAL ENGINEER S. R. JOHANNESBURG. ELEKTRIESE HOOFINGENIEUR S. S.		

CLAMPING BRACKET  
H-MAST FOR TRANSMISSION LINES.  
203x203 UNIVERSAL COLLUMNS.  
KLAMPSTEIN  
H-MAS VIR TRANSMISSIELYNE  
203x203 UNIVERSELE KOLOMME.

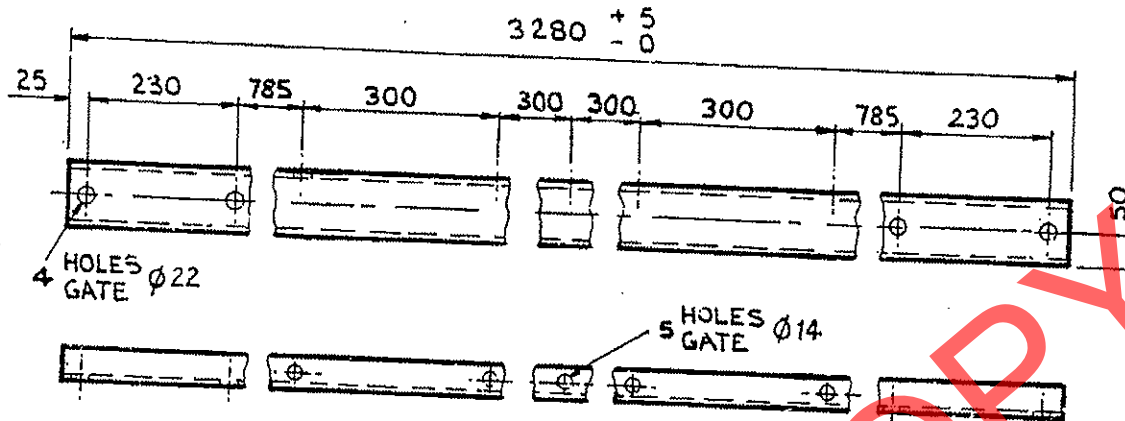
CEE-PFB-18,19,20.  
ASSY DRG./SAMEST.-TEK.  
DRAWING  
TEKENING NO. CEE-  
PFC-100

A4  
A4

4  
4

4

ORIGINAL FRAME SIZE  
 OORSpronklike Raamgrootte 267x180



AMENDMENTS  
 WYSIGINGS

NO.	NAME NAAM	DATE DATUM

DIMENSIONS: MILLIMETRES  
 AFMETINGS: MILLIMETER.

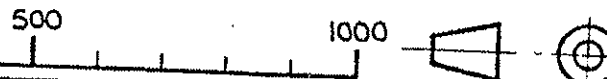
MATERIAL - MATERIAAL

CHANNEL STEEL  
 KANAAL STAAL 100x50x3280L

SPEC. CME 9 SYM. 8  
 SPES. SIM. 8

STORES  
 MAGASYN ITEM NO. (M) 11/14683

FINISH: ZINC COAT TO SPECIFICATION  
 AFWERKING: SINKBEDEK VOLGENS SPESIFIKASIE SABS 763



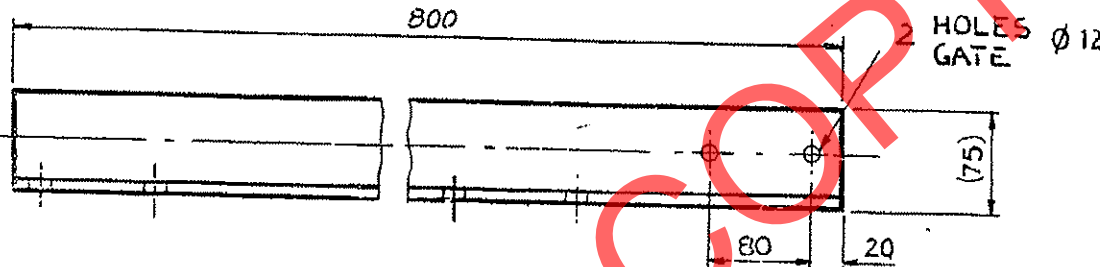
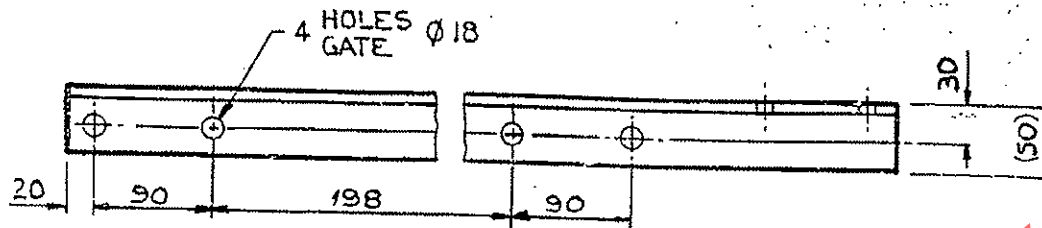
DRN. GET. A.J. VORSTER.	GEN. TOLERANCES: LIN. ± ALG. TOLERANSIES: ANG. HOEK.
TRCD NGT C.v. STADEN.	D.O. REF. P19/80 TK. VERW.
CKD. NGS. J. Senekal	DATE 80-05-07 DATUM

BEAM: CUT-OUT FUSE  
 H-MAST FOR TRANSMISSION LINES  
 203x203 UNIVERSAL COLUMNS.  
 BALK: UITSKAKELSEKERING -  
 H-MAS VIR TRANSMISSIELYNE  
 203x203 UNIVERSELE KOLOMME.

CEE-PFB-18 SHT  
 VEL 2  
 ASSY.DRG./SAMES.-TEK.  
 DRAWING NO. CEE-  
 TEKENING NO. CEE-  
**PFC-89**

A4  
 A4

ORIGINAL FRAME SIZE  
OORSPRONKLIKE RAAMGROOTTE 267x180



DIMENSIONS : MILLIMETRES.  
AFMETINGS : MILLIMETER.

STRUCTURAL ANGLE, STEEL THK  
STRUKTUURHOEK, STAAL 75x50x8 DIK

SPEC CME 9 SYM 8  
SPES CME 9 SIM

STORES ITEM NO. (M)1/14594  
MAGASYN

DRN GET. C. SAAYMAN	GEN TOLERANCES ALG. TOLERANSIES	± 1 ANG. HOEK
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TRC NST. C.v. STADEN	D.O REF TK VERW. P 79/80	ENG.
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CHK A. VORSTER	DATE LATUM 80-05-07	ENG.
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CHIEF ELECTRICAL ENGINEER  
ELEKTRIESE HOOFTEGENEER

SUPPORT: TRANSFORMER CABLE  
H-MAST FOR TRANSMISSION LINES.  
203x203 UNIVERSAL COLUMNS.

STEUN: TRANSFORMATORKABEL-  
H-MAS VIR TRANSMISSIE LYNE  
203x203 UNIVERSELE KOLOMME.

AMENDMENTS.  
WYSIGINGS

NO.	NAME NAAM	DATE DATUM
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1	E. Louw	81-02-11
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DIMENSION 800  
WAS A. NOTE RE.  
A REMOVED.

AFMETING 800  
WAS A. NOTA I.V.M.  
A VERWYDER.

D.O. REF. PBI/27  
TK VERW.

2	E. Louw	82-03-30
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DIMENSIONS  
ALTERED AND  
ASSY DRG. NO.  
ADDED.  
AFMETINGS  
VERANDER EN  
SAMEST. TEK. NO.  
BYGEOEG.

D.O. REF. P82/10.  
T.K-VERW

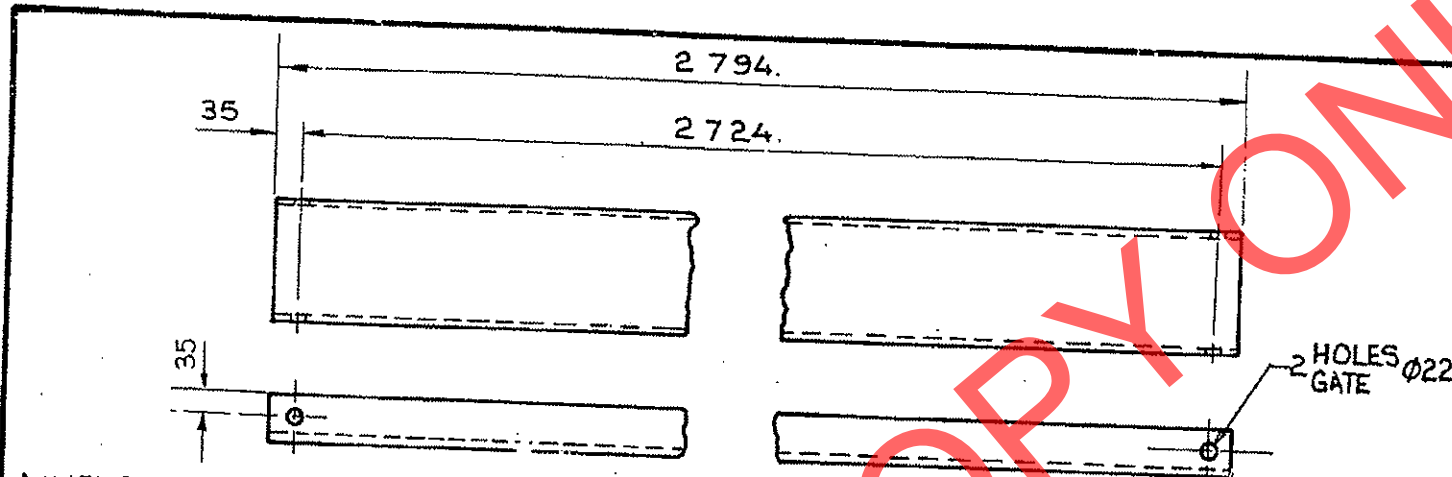
CEE-PFB-20.

CEE-PFB-18 SHT 2  
VEL

ASSY DRG./SAMEST.-TEK.

DRAWING  
TEKENING NO. CEE-

PFC-96



DIMENSION: MILLIMETRES.  
AFMETINGS: MILLIMETER.

MATERIAL - MATERIAAL

CHANNEL, STEEL 180X70  
KANAAL, STAAL

SPEC CME 9 SYM 8  
SPES CME 9 SIM 8

STORES ITEM NO (M) 11/014723  
MAGASYN

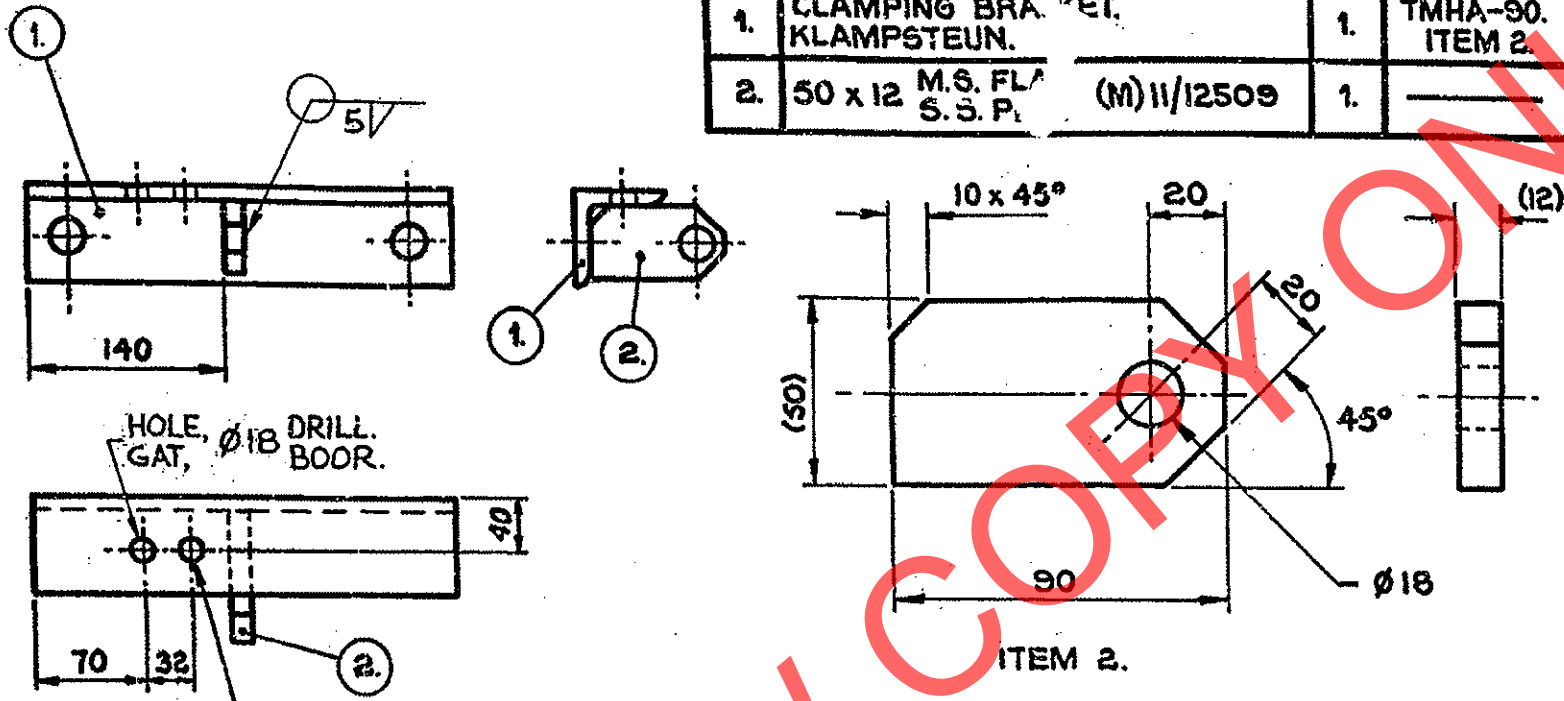
FINISH: ZINC COATED TO SPEC  
AFWERKING: SINKBEDEK VOLGENS SPES S.ABS. 763

DRN. H.OOSTHUIZEN GET.	GEN. TOLERANCES: LIN. ±1 ALG. TOLERANSIES: ANG./HOEK	
TRCD. H. KLCO NGT.	D.O. REF. P79/80 T.K.-VERW.	ENG. IR.
CKD. A.VORSTER NGS.	DATE 80-05-07 DATUM	R.DAVIDSON for RS.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		JOHANNESBURG
SOUTH AFRICAN TRANSPORT SERVICES SUID - AFRIKAANSE VERVOERDIENSTE		

BEAM, TOPMOST MEMBER  
H-MAST FOR TRANSMISSION  
LINE 206x216 UNIVERSAL COLUMN.  
BALK: HEELBOONSTE ONDERDEEL  
H-MAS VIR TRANSMISSIELYN  
206x216 UNIVERSELE KOLOM.

AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM
1.	M.ELLIS	82-04-23
REDRAWN AND DIMENSIONS ALTERED. OORGETEKEN EN AFMETINGS HER- SIEN. D.O. REF, P82/10 T.K. VERW,		
SHT CEE-PFB-18 VEL 283.		
SHT 1 CEE-PFB-20 VEL ASSY DRG/SAMES TEK		
DRAWING NO. CEE- TEKENING		
PFC-110		

ITEM	DESCRIPTION / BESKRYWING:	QTY. HVLD.	DRG. NO. CEE TEK.	AMENDMENTS. WYSIGINGS.		
				NO.	NAME. NAAM.	DATE. DATUM.
1.	CLAMPING BRACKET. KLAMPSTEUN.	1.	TMHA-90. ITEM 2.			
2.	50 x 12 M.S. FLA S.S. P. (M) 11/12509	1.		1.	E. Louw	82-03-23



ASSY. DRG. NO'S ADDED. SAMEST. TEK. NOS. BY GEVOEG.

D.O. REF. P82/10. TK-VERW

2. T. Human 85-7-31

Ø18 HOLE WAS Ø14. D.O. REF. T2/85/35 TK-VERW.

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

**ASSEMBLY / SAMESTEL**

DIMENSIONS : MILLIMETRES  
 AFMETINGS : MILLIMETER

S.A. TRANSPORT SERVICES.  
 S-A VERVOERDIENSTE.

DRN. GET. F. Heyl.	GEN. TOLERANCES: LIN. ±1. ALG. TOLERANSIES: ANG./HOEK ±2.	
TRCD. NGT. P. Hutcheson.	D.O. REF. TK. VERW. Y77/108.	ENG. I.R. <i>[Signature]</i>
CKD. NG5. W.R.G.	DATE. 78-03-31 DATUM.	<i>[Signature]</i>
CHIEF ELECTRICAL ENGINEER. ELEKTRIESE HOOFINGENIEUR.		JOHANNESBURG.

**BRACKET; EARTH WIRE MAKE-OFF.**

203 X 203 UNIVERSAL COLUMNS.  
UNIVERSELE KOLOMME.

**STEUN; AARDDRAADAFHEGTING.**

CEE-PFB-18,19,20.  
 CEE-PFC-83.  
 ASSY. DRG. / SAMEST-TEK.

DRAWING TEKENING NO. **CEE**

**PFC-84.**

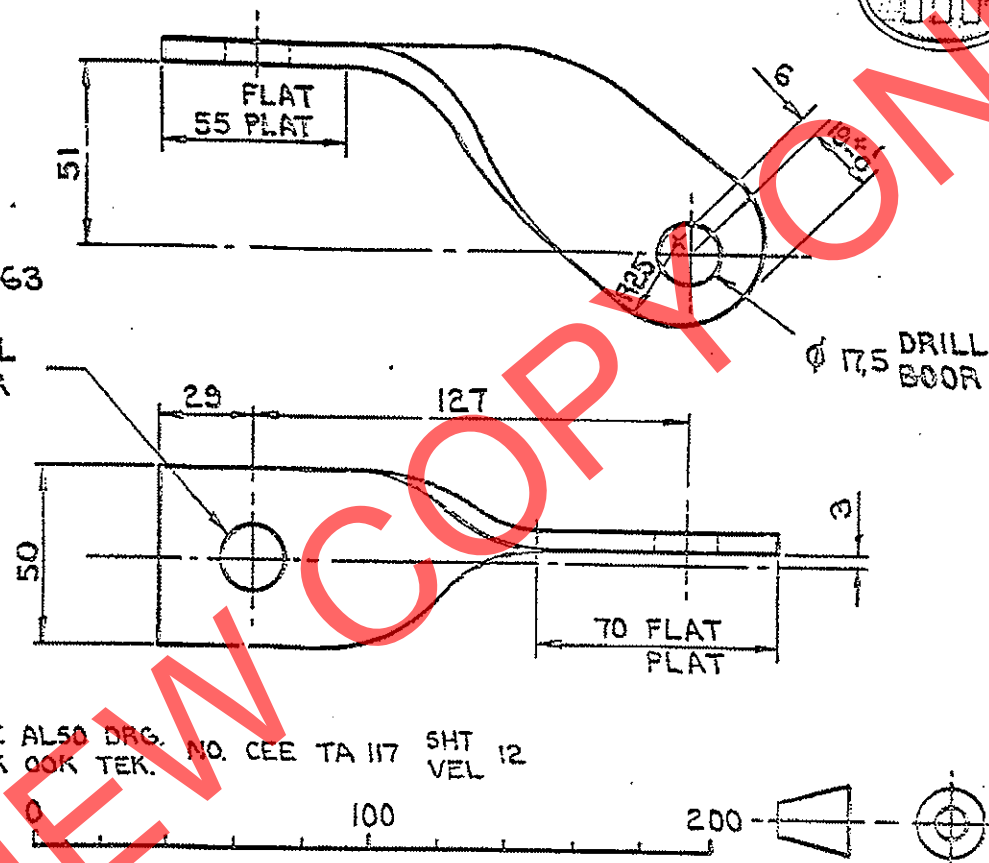


ORIGINAL FRAME SIZE  
OORSPRONKLIKE RAAMGROOTTE 267 X 180



AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM
7	E. Louw	77-08-25
REVISED & REDRAWN KERSIEN EN OOR- GETEKEN.		
D.O. REF.		Y77/32
TK. VERW.		
8.	A.J.V.	62-03-30
ASSY. DRG. NOS. ADDED. SAMEST. TEK. NRS. BYGEVOEG.		
D.O. REF.		P82/10
TK-VERW.		

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



DIMENSIONS: MILLIMETRES  
AFMETINGS: MILLIMETER

MATERIAL - MATERIAAL  
STEEL, FLAT 50 X 6  
STAAL, PLAT- 50 X 6  
SPEC. CME 9 SYM. 7  
SPES. SIM.  
STORES ITEM NO 11/21167  
MAGASYNTEM  
OR COMMERCIAL GRADE  
OF HANDELSGRAAD

SEE ALSO DRG. NO. CEE TA 117 SHT 12  
KYK OOK TEK. VEL

DRN. GET. L. B.	GEN. TOLERANCES: LIN. ± 1	
TRCD. NGT. A. VORSTER	ALG. TOLERANSIES: ANG/HOEK -	
CHK. NGS. F.W.C.	DATE DATUM 12-10-45	ENG. IR. —
	D.O. REF. TK. VERW. —	G. K.

MAKE-OFF STRAP  
AFMAAKBAND

CEE-PFB-18, 19, 20  
CEE-PFC-39, 40, 83.  
CEE-PFB-3, 4, 5, 8, 9  
ASSY. DRG./SAMEST. TEK

DRAWING  
TEKEMING NO. CEE

54/110217

TAHF

AA  
AA

CHIEF ELECTRICAL ENGINEER 5<sup>AR</sup> JOHANNESBURG  
ELEKTROTEGNIESE HOOFINGENIEURS 5