



Transnet SOC Limited
Transnet RME

REQUEST FOR QUOTATION

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

Registration Number: 1990/000900/30
Vat Number : 4720103177

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

Quotation Deadline Date : 14.01.2016
Quotation Deadline Time : 12:00

REQUEST for QUOTATION
Transnet RME
RFQ Number / Date
6000240849 / 05.01.2016
Contact Person / Telephone
Eddie Quinn / 035 906 7347
Return to VAX Number/EMAIL
0865159978 / TCPtendersRichardsBay@Transnet.net

"PREVIEW COPY ONLY"

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
00010		Support Bracket(Short)	8	ea	08.02.2016			
Supply & Deliver, 8 x Support Brackets (Short), as per the attached Drawing No: CEE-PFC-130, Sheet: 2of4. (Req: 10499272) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00020		Support Bracket(Long) a	4	ea	08.02.2016			
Supply & Deliver, 4 x Support Brackets (Long), as per the attached Drawing No: CEE-PFC-130, Sheet: 3of4. (Req: 10499273) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00030		Bracket,Lightning Arres	6	ea	08.02.2016			
Supply & Deliver, 6 x Brackets for Lightning Arrester as the attached Drawing No: CEE-PFC-103. (Req: 10499274.)								



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DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00040		Cross Arm for Concrete	8	ea	08.02.2016			
Supply & Deliver, 8 x Cross Arms for Concrete Mast, as per the attached Drawing No: CEE-TMFB-61 Sheet: 1, Item: 1&2 to be as per the attached Drawing No: CEE-PFC-115. (Req: 10499275.) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00050		Cross Arm,Double String	2	ea	08.02.2016			
Supply & Deliver, 2 x Cross Arms, Double Stringing as per the attached Drawing No: CEE-PFE-40. (Req: 10499276.) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00060		Cross Arm as per Drg.C	6	ea	08.02.2016			

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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
Supply & Deliver, 6 x Cross Arms, as per the attached Drawing No: CEE-PFE-1. (Req: 10499277) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00070		Make off strap as per D	64	ea	08.02.2016			
Supply & Deliver, 64 x Make-Off Straps as per the attached Drawing No: CEE-TNE-2. (Req: 10499278.) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00080		Cross Arm,Phase wires a	10	ea	08.02.2016			
Supply & Deliver, 10 x Cross Arm, Phase Wires as per the attached Drawing No: CEE-PFC-78. (Req: 10499279) DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED. CONTACT: MR PIERRE CROCKER TEL: 035-905 3638 / 083 279 0437.								
00090		Bracket earth wire make	5	ea	08.02.2016			

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 Fax Number :
 Vendor Number : 2004815

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RFQ Number / Date
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 Eddie Quinn / 035 906 7347
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 0865159978 / TCPtendersRichardsBay@Transnet.net

Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
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SUPPLY & DELIVER, 5 x Brackets, Earth Wire Make-Offs, as per the attached Drawing No: CEE-PFC-84. (Req: 10499280)
 DELIVER TO: 1 MORRIS RD, EMPANGENI RAIL, OLD GOODS SHED.
 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 & Delivery of Various O.H.T.E. Equipment, (As requested above.)

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

All tender related queries pertaining to this invitation may be addressed to;
 Mr. Eddie Quinn, Tel: 035 # 906 7347.

The closing time for receipt of your official quotations is 12:00 hours on ~~Monday~~ ^{THURSDAY} 14 January 2016.

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

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



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Item	Material	Description	RFQ Qty	UoM	Required Del date	Confirm Del date	Unit Price Excl	Total Price Excl
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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.

*

Failing to submit a valid Tax Clearance Certificate could result in your quotation to be disqualified / not accepted but, not submitting or submitting an expired BBEE Certificate, will result in scoring zero (0) points for evaluation purposes.

*

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,

"PREVIEW COPY ONLY"



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 2000
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RFQ Number / Date
 6000240849 / 05.01.2016
Contact Person / Telephone
 Eddie Quinn / 035 906 7347
Return to VAX Number/EMAIL
 0865159978 / TCPtendersRichardsBay@Transnet.net

Delivery Address

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

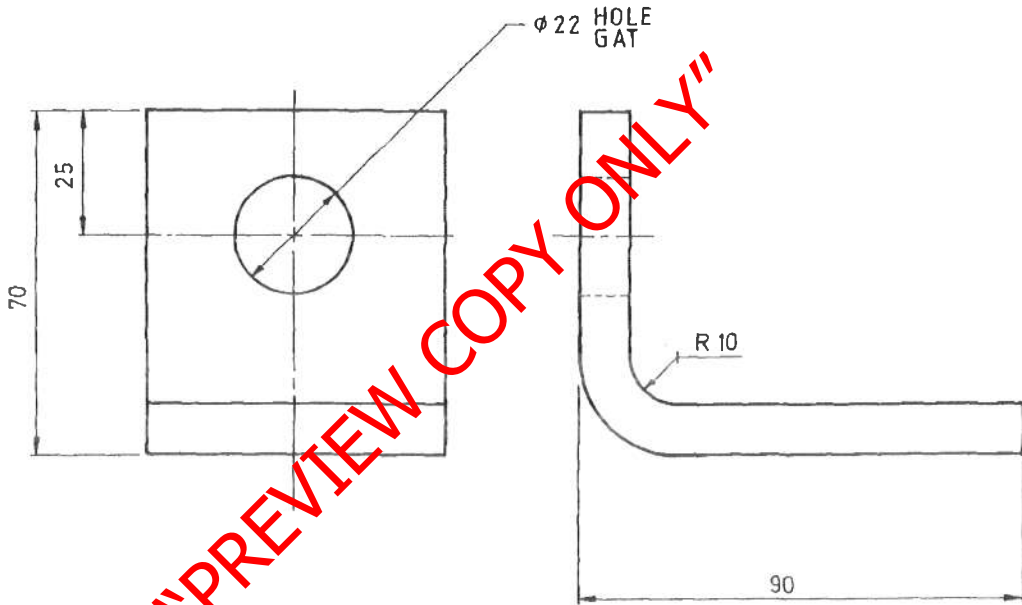
This RFQ is subject to the following conditions:

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 deliver 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 Freight Rail RME 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.
7. Quotes will not be acceptable if not sending to the given fax or e-mail (please do not CC any buyer)
8. Should your company not receive any response from Transnet within 30 days of closing of a RFQ, please accept that your quotation was unsuccessful.

 Signature

 Date

RFA: 10499272



DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

MATERIAL - MATERIAAL
STEEL, FLAT
STAAL, PLAT 65 x 10 x 142 L
TO SPEC CME 9 SYM 7
VOLG SPES CME 9 SIM 7
STORES
MAGASYN- ITEM NO 11/12393



AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM

CEE-PFC-130 SHT 1
VEL
CLASS/ASSY. DRG.
KLAS/SAMEST.- TEK.

MODULUS ITEM NO.

DRN. GET. V. JONKER.	GEN. TOLERANCES: LIN. ± 1. ALG. TOLERANSIES: ANG/HOEK ± 1°	
TRCD. NGT.	D.O. REF. TK-VERW P 89/019	ENG. IR
CKD. NGS. J. SWIEGERS	DATE DATUM 89-10-31	for. ns.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR		J. Swiegers JOHANNESBURG
SOUTH AFRICAN TRANSPORT SERVICES SUID-AFRIKAANSE VERVOERDIENSTE		

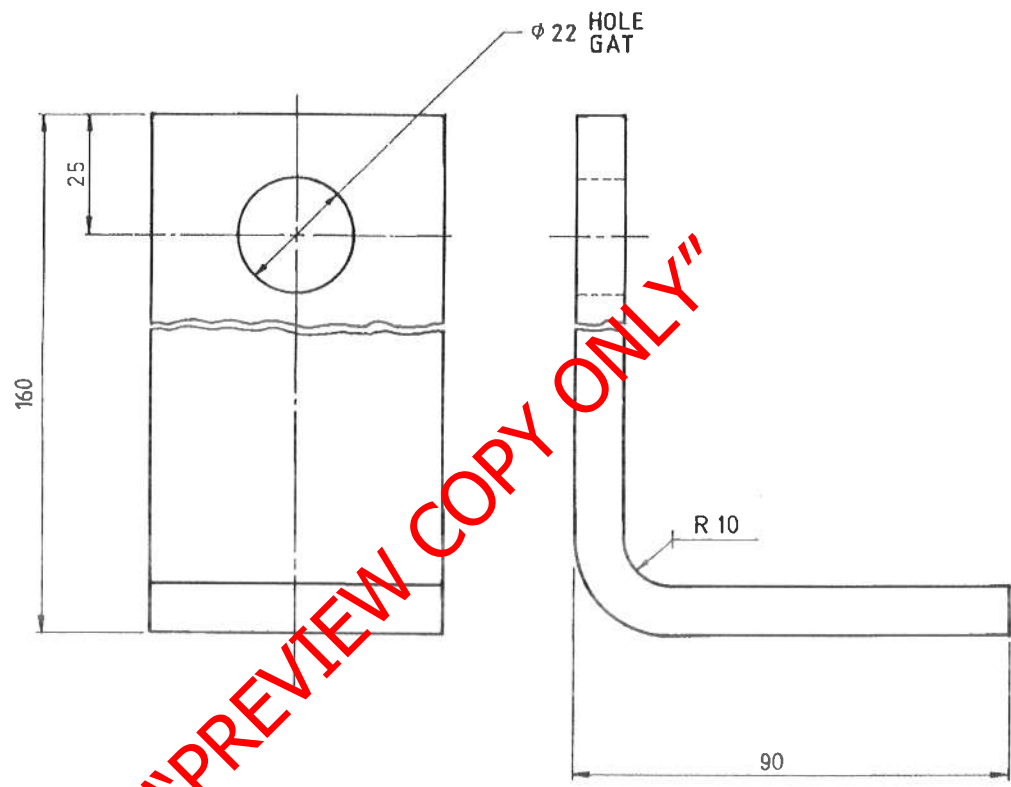
SUPPORT ANGLE. (SHORT)
STEUNHOEK. (KORT)

PREVIOUS
VORIGE ITEM NO.

DRAWING
TEKENING NO. CEE-
PFC-130

SHEET
VEL 2 OF
VAN 4

RFA: 1049973



AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM

DIMENSIONS : MILLIMETRES
AFMETINGS : MILLIMETER

MATERIAL - MATERIAAL
STEEL, FLAT
STAAL, PLAT 65 x 10 x 232 L
TO SPEC CME 9 SYM 7
VOLG SPES CME 9 SIM
STORES
MAGASYN- ITEM NO 11/12393



CEE-PFC-130 SHT 1.
VEL
CLASS/ASSY. DRG.
KLAS/SAMEST.- TEK.
MODULUS ITEM NO.

DRN. GET. V. JONKER	GEN. TOLERANCES: LIN. ± 1. ALG. TOLERANSIES: ANG/HOEK ± 1°	
TRCD. NGT.	D.O. REF. TK-VERW P89/019	ENG. IR
CKD. NGS. J. SWIEGERS	DATE DATUM 89-10-31	for. ns.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR JOHANNESBURG		
SOUTH AFRICAN TRANSPORT SERVICES SUID-AFRIKAANSE VERVOERDIENSTE		

SUPPORT ANGLE. (LONG)
STEUNHOEK. (LANK)

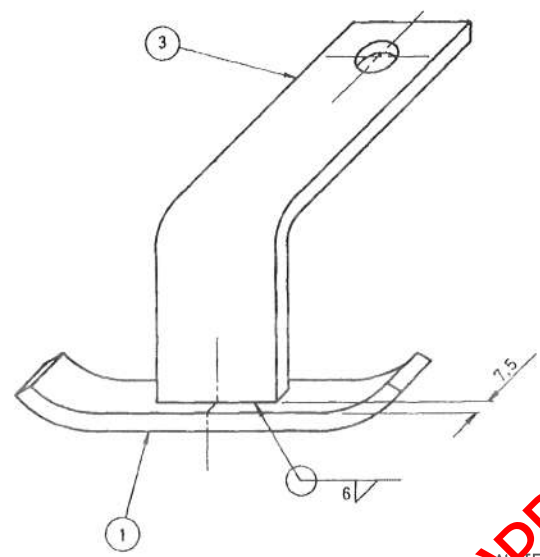
PREVIOUS VORIGE	ITEM NO.
DRAWING TEKENING NO. CEE- PFC-130	
SHEET VEL 3	OF VAN 4

PHOTRA

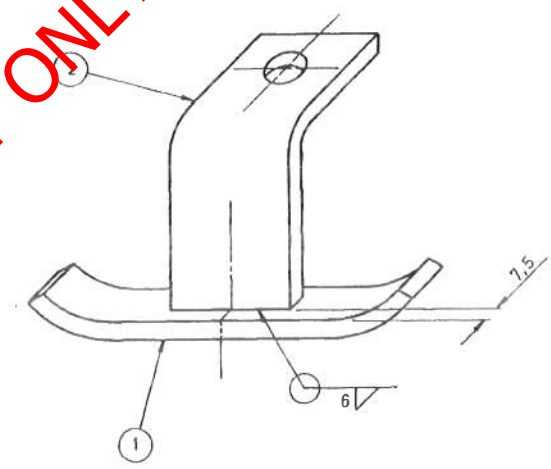
A3

REQ. 104 992 72 / 3

NO	DESCRIPTION - BESKRYWING	QTY/HVLD		STORES MAGASYN	ITEM NO	DRG TEK	NO	CEE -	AMENDMENTS WYSIGINGS		
		ITEM	ITEM						NO.	NAME NAAM	DATE DATUM
1	SUPPORT STRIP. STEUNSTROOK.	1	1	—	—	PFC-130	SHT VEL	4.			
2	SUPPORT ANGLE. (SHORT) STEUNHOEK. (KORT)	—	1	—	—	PFC-130	SHT VEL	2.			
3	SUPPORT ANGLE. (LONG) STEUNHOEK. (LANG)	1	—	—	—	PFC-130	SHT VEL	3			



ITEM I



ITEM II

"PREVIEW COPY ONLY"

NOTE / OPMERKING
ZINC COAT TO
SINKBEDEK VOLG SABS 763 AFTER WELDING.
NA SWEISWERK.

DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

DRN. GET. V. JONKER	GEN. TOLERANCES: LIN ± 1 ALG. TOLERANSIES: ANG/HOEK ± 1°	
TRCD. NGT.	D.O. REF. p89/019 TK-VERW	ENG. IR
CKD. J. SWIEGERS	DATE DATUM 83-10-31	for ns.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR JOHANNESBURG		
SOUTH AFRICAN TRANSPORT SERVICES SUID-AFRIKAANSE VERVOERDIENSTE		



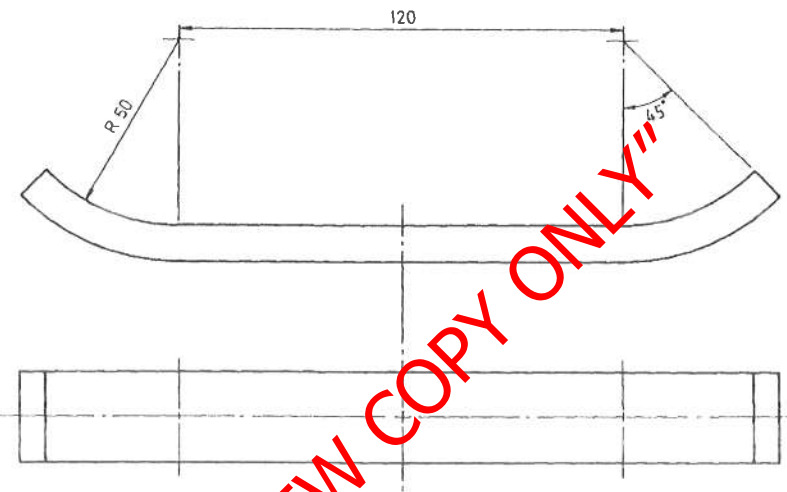
SUPPORT BRACKET : MAKE-OFF MASTS.
AERIAL BUNDLED CONDUCTORS.

STEUNSTUT : AFHEGMASTE.
OORHOOFSE GEBONDELDE GELEIERS.

CLASS/ASSY. DRG. KLAS/SAMEST.- TEK.	
MODULUS ITEM NO.	
PREVIOUS VORIGE	ITEM NO.
DRAWING TEKENING NO.	CEE-
	PFC-130
SHEET VEL	1 OF 4 VAN

Q22 10499272/3

AMENDMENTS WYSIGINGS		
NO.	NAME NAAM	DATE DATUM



NOTE / OPMERKING
REMOVE ALL SHARP EDGES.
VERWYDER ALLE SKERPESKANTE.

"PREVIEW COPY ONLY"

CEE-PFC-130 SHT 1.
VEL
CLASS/ASSY. DRG.
KLAS/SAMEST.-TEK.
MODULUS ITEM NO.



DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

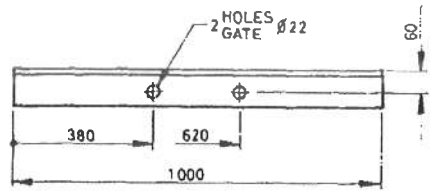
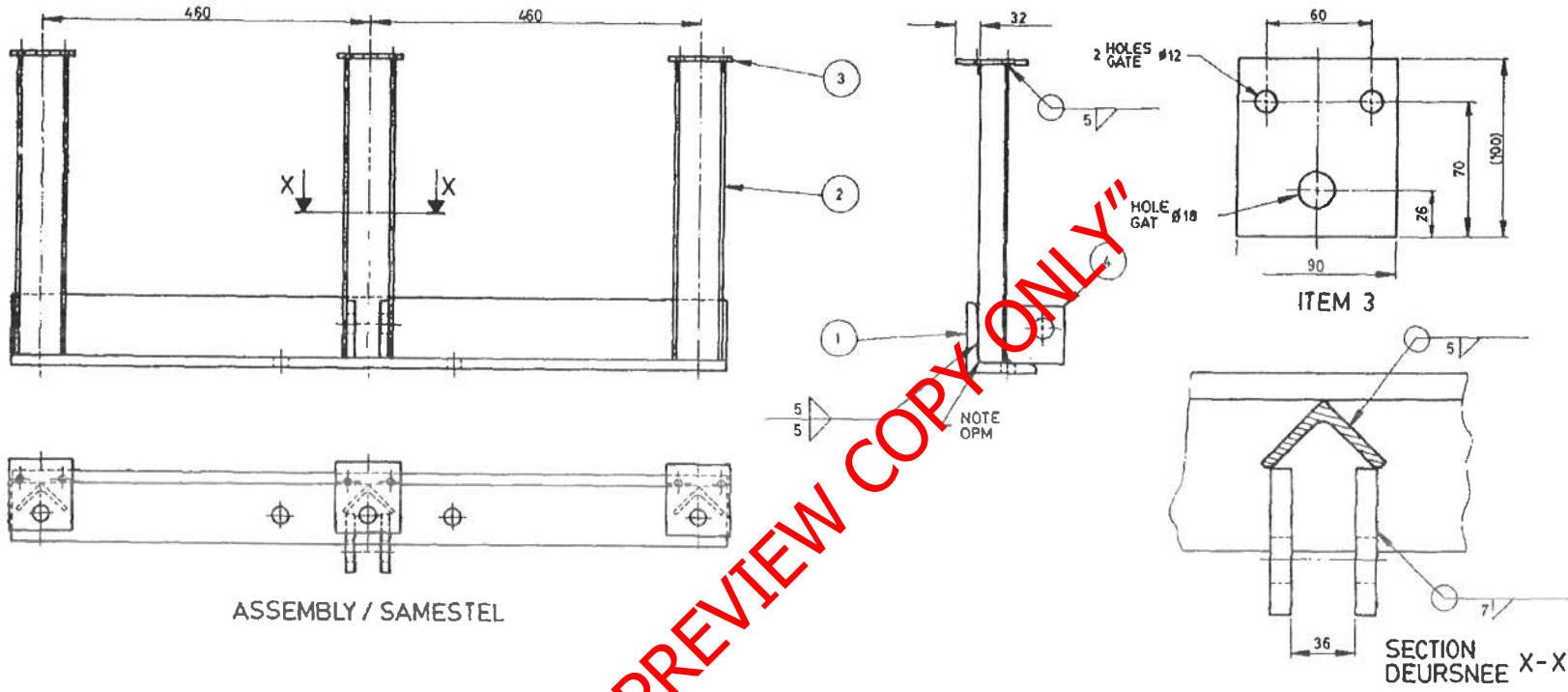
MATERIAL - MATERIAAL STEEL, FLAT 25 x 10 x 206 L STAAL, PLAT STORES ITEM NO 11/12332 MAGASYN- TO SPEC CME 9 SYM 7. VOLG SPES SIM 7.	DRN. GET. V. JONKER	GEN. TOLERANCES: LIN. ± 1 ALG. TOLERANSIES: ANG/HOEK ± 1°	ENG. IR	
	TRCD. NGT.	D.O. REF. P89/019 TK-VERW		
	CKD. NGS. J. SWIEGERS	DATE DATUM 09-10-31	for. nr.	
	CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR			JOHANNESBURG
	SOUTH AFRICAN TRANSPORT SERVICES SUID-AFRIKAANSE VERVOERDIENSTE			

SUPPORT STRIP.
STEUNSTROOK.

PREVIOUS VORIGE	ITEM NO.
DRAWING NO. CEE-PFC-130	
SHEET VEL 4	OF VAN 4

REF: 10499274

ITEM	DESCRIPTION / BESKRYWING	QTY HVLD	STORES ITEM MAGASYNITEM NO	DRAWING TEKENING NO CEE	AMENDMENTS WYSIGINGS
1	STEEL ANGLE TO SPEC STAAL HOEK 100x100x15x1000L VOLG SPES CME 9 SYM 8	1	11/14570		NO. NAME NAAM DATE DATUM
2	STEEL ANGLE TO SPEC STAAL HOEK 50x50x6x420L VOLG SPES CME 9 SYM 8 (SEE NOTE KYK OPMERKING)	3	11/14481		5 J. VAN DYK 89/07/17
3	STEEL FLAT TO SPEC STAAL PLAT 100x6x90L VOLG SPES CME 9 SYM 7	3	11/12319		REVISED AND REDRAWN. HERSIEN EN OORGE- TEKEN. DO REF P 89/058 TK-VERW
4	83mm GUSSET PLATE KNOOPPLAAT	2		TMHF-16	6 J. VAN DYK 89-12-14



FINISH / AFWERKING
ZINC COAT TO SINKBEDEK VOLG SABS 763 AFTER WELDING NA SWEISWERK.
NOTE / OPMERKING
GRIND ITEM 2 TO FIT.
SLYP ITEM 2 OM TE PAS.



DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

DRN. A J VORSTER GET.	GEN. TOLERANCES: LIN. ±1 ALG. TOLERANSIES: ANG./HOEK	ENG. IR
TRCD. NGT. H v VUUREN	D.O. REF. TX-VERW P79/80	for. DS.
CKD. NGS. J SENEKAL	DATE DATUM 1980-05-07	R DAVIDSON

CHIEF ELECTRICAL ENGINEER
ELEKTRIESE HOOFINGENIEUR
JOHANNESBURG

SOUTH AFRICAN TRANSPORT SERVICES
SUID-AFRIKAANSE VERVOERDIENSTE

BRACKET, SURGE DIVERTER
H-MAST FOR TRANSMISSION LINES.
UNIVERSAL COLUMNS.
STEUN, STUWINGOMLEIER-
H-MAS VIR TRANSMISSIELYNE.
UNIVERSELE KOLONNE.

#12 HOLES ADDED ON ITEM 3 TO FACILITATE UNIVERSAL MOUNTING OF LIGHTNING ARRESTER.
#12 GATE OF ITEM 3 BY-GEVOEG OM VEELKEUSIGE MONTERING VAN WEERLIG-AFLEIER TE BEWERKSTEL-LIG.
#18 HOLE WAS #22.
DO REF P 89/079
TK-VERW

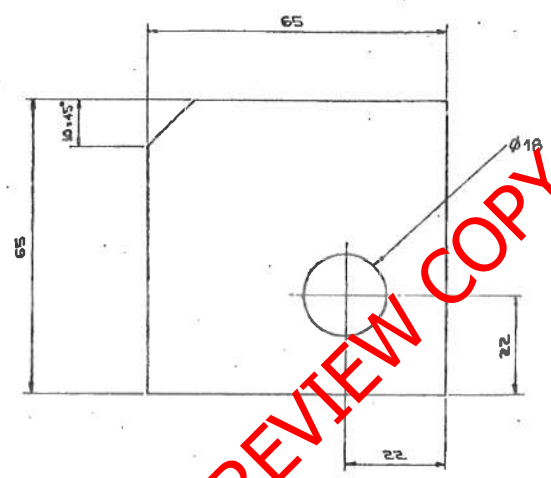
CEE-PFB-18, 19, 20
CLASS/ASSY. ORG.
KLAS/SAMEST.-TEK.

STORES MAGASYN ITEM NO

DRAWING NO. CEE-
TEKENING PFC-103

SHEET OF
VEL VAN

REF: 10499274



"PREVIEW COPY ONLY"

CANCELS ITEM 25 OF DRG. NO CEE-TMF-62
KANSLEIER VAN TEK.

DIMENSIONS: MILLIMETRES.
AFMETINGS: MILLIMETERS.

D.O. REF. TK. VERW. C227/68	MATERIAL - MATERIAAL 65mm x 6mm - (11/21170)	65mm GUSSET PLATE. KNOOPPLAAT. ANCHOR FITTING. ANKERTOEBEHORE I - MASTS/MASTE
DRN. G.E.T. P.L.W.	M.S. S.S. 4360/43A.	
CRD. N.G.S. F.W.C.	SCALE SKAAL 1:1	
ENGR. I.R. K.L.K.	DATE DATUM 18/4/68	
	T.C. BROOK	CHIEF ELECTRICAL ENGINEER ELEKTROTEGNIESE HOOFINGENIEUR S.A.S. JOHANNESBURG.

AMENDMENTS WYSIGINGS		
Nº	NAME NAAM.	DATE DATUM.
1	L. Thompson	29-6-72
REDRAWN AND METRICATED. ORIGINAL DRG. NO WAS CEE - TMF - 62. HERTEKEN EN METRIFISEER. OORSPRONKLIKE TEK. NO WAS CEE - TMF - 62. D.O. REF. C227/68 TK. VERW.		
2	W. J. ...	8-1-75
NOTE 'DRILL REMOVED OPM. BOOR VERWYDER D.O. REF. Y74/116 TK-VERW.		
CEE - TMF - 138 CEE - TMF - 189 ASSEMBLY DRG. SAMESTELLING TEK.		
GENERAL TOLERANCES ALGEMENE TOELANSIES LIN ±1. ANG. ±2° HOEK.		
AMENDMENT WYSIGING.		1 2
DRAWING TEKENING Nº CEE		TMHF - 15

3

4

4

3

RIA 10499275

ITEM ① CEE-PFC-115 ←
 ITEM ② CEE-PEC-115 ←

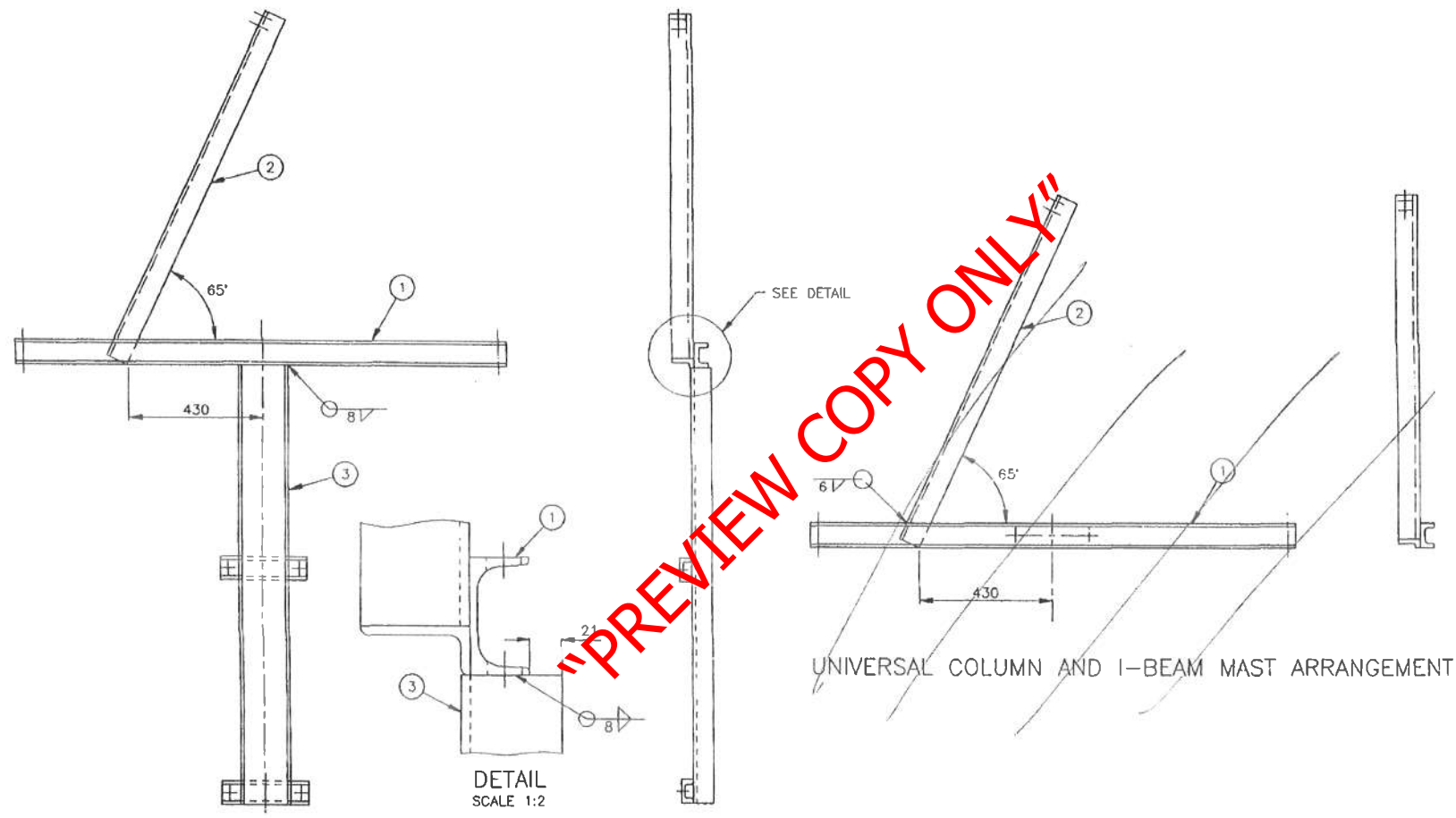
ITEM	DESCRIPTION	QTY	STORES ITEM NO	DRAWING NO CEE-	AMENDMENTS
1	CROSS ARM, PHASE WIRE SUPPORT	1		TMFB-61 SHT 2	NO NAME DATE
2	SUPPORT, EARTH WIRE	1		TMFB-61 SHT 3	
3	SUPPORT BRACKET ASSEMBLY	1		TMFB-62 SHT 1	

NO	NAME	DATE
4	L.BORCHARD	92-06-16
5	J VAN DYK	94-05-26
6	J P du PLESSIS	94-08-15

REDRAWN AND REVISED TO FIT CONCRETE MAST. DRG NO WAS CEE-PFC-80. DO REF P92/013

SUB-TITLE REVISED. DO REF T94/023

DETAIL WITH DIMENSION 21mm ADDED. DO REF T94/064



CONCRETE MAST ARRANGEMENT

UNIVERSAL COLUMN AND I-BEAM MAST ARRANGEMENT

NOTES
 1. ZINC COAT TO SPEC SABS 763 AFTER WELDING.

DO REF Y.76/43	GEN TOL: LIN± 1	ANG± 1'
DRN B.v.RENSBURG	CKD W.R.G.	DATE 78-03-31
ENG I.DE V.	F.PIENAAR	for CHIEF ENG

INFRASTRUCTURE (ELECTRICAL) SPOORNET

CROSS ARM STRUCTURE ASSEMBLY
 11KV TRANSMISSION LINE ON OHTE MAST
 UNIVERSAL COLUMN, I-BEAM AND CONCRETE MAST

DIMENSIONS: mm
 SCALE 1:10

A2

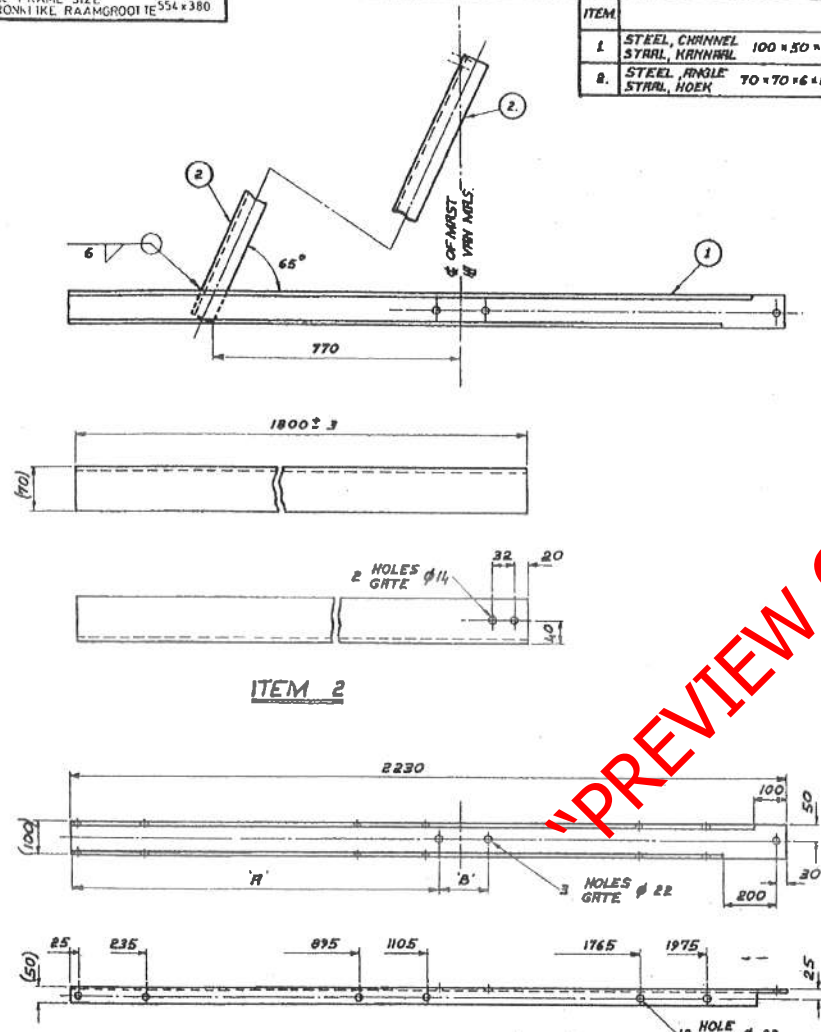
DRAWING NO CEE-
 TMFB-61
 SHEET 1 OF 3

7006055

Rea: 10499275

ORIGINAL FRAME SIZE
OORSPRONKI IKL. RAAMGROOTTE 554 x 380

ITEM	DESCRIPTION / BESKRYWING	QTY M/LD	STORES MAGASYN	NO TEK.	DRG. NO CEE- TEK.	AMENDMENTS WYSIGINGS
1	STEEL CHANNEL STRAAL, KANNAAL 100 x 50 x 10,6 kg/m x 2230L SPEC CME'S SYM B SPES	1	(M)U/4688			NO NAME DAATUM
2	STEEL ANGLE STRAAL, HOEK 70 x 70 x 6 x 1800L SPEC CME'S SYM B SPES	1	(M)U/			1 B.Stewart 81-12-08



MAST MARS	DIMENSION AFMETING 'A'	DIMENSION AFMETING 'B'
UNIVERSAL COLUMNS UNIVERSELE KOLONNE	1095	240
RAIL MASTS SPOORMASTE	1139	152

NOTE / OPMERKING
BRING CORRECT TO SPEC
SINNBEDEK VOLG. SPES 3785 763.

REDRAWN AND REVISED
DOORGETEKEN EN
HERSIEM.
D.O. REF. T1/01/79.
T.H. VERRYK

"PREVIEW COPY ONLY"

DRN GET	GEN TOLERANCES LIN : 1 ALG TOLERANSIES ANG HOEK : 1°
TRCD NOT	DO REF T1/01/29. ENG IR.
CKD NGS	DATE 01-06-22 G.A. WILLIAMS
CHIEF ELECTRICAL ENGINEER S.A.R. JOHANNESBURG ELEKTRIESE HOOFINGENIEUR S.A.S. JOHANNESBURG	

CROSS ARM ASSEMBLY : TRANSMISSION LINE.
DOUBLE STRINGING TRANSMISSION LINE ON TRACK STRUCTURE. 3KV DC AUTO
TENSIONED CONSTRUCTION. UNIVERSAL COLUMNS AND RAIL MASTS.
DWARSARMSAMESTEL : TRANSMISSIELYN
DUBBELSIRING TRANSMISSIELYN OP BOORANSTRUKTUUR. 3KV GS OUTOMATIESE
SPANNINGKONSTRUKSIE. UNIVERSELE KOLONNE EN SPOORMASTE

CEE- PFC - 117.
ASSY DRG SAMEST-TEK.
MODULUS ITEM NO
PREVIOUS ITEM NO.
DRAWING NO CEE-
TEKENING NO PFC - 115

A2
A3

2 3 4 4 3 2

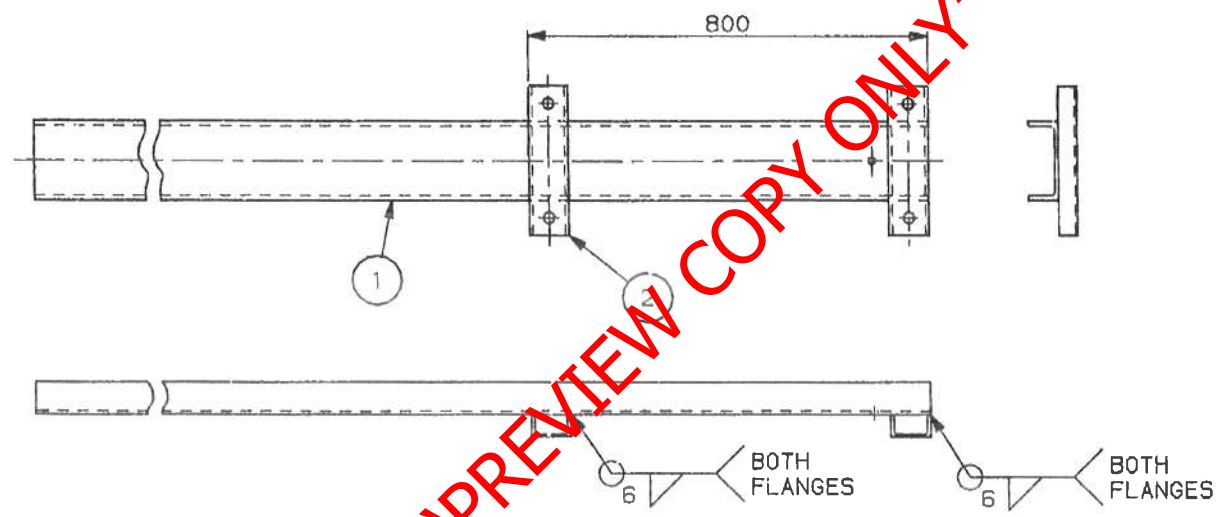
PFC - 115.

Rev 10499275

TMFB-62-SH-001

ITEM	DESCRIPTION	QTY	STORES ITEM	DRG NO CEE-	AMENDMENTS
1	SUPPORT BRACKET	1		TMFB-62 SHT 2	NO NAME DATE
2	ATTACHMENT BRACKET	2		TMFB-62 SHT 3	1 W.BRIGHT 93-01-28

DRG NO WAS SHT 1 OF 4. NOTE ADDED AND FINISH ALTERED. DO REF P92/034



"PREVIEW COPY ONLY"

NOTE: WELDING TO CONFORM TO BS 5135
 FINISH: ZINC COAT TO SABS 763 AFTER WELDING FOR ABC ONLY

STORES ITEM NO
DIMENSIONS: mm SCALE: 1:10
A3

DO RE, P91/027	GEN TOL, LIN±1	ANG± —
DRN: C.MADDISON	CKD: J v TONDER	DATE: 92-06-16
ENG: L BORCHARD	L BORCHARD	for CHIEF ENG

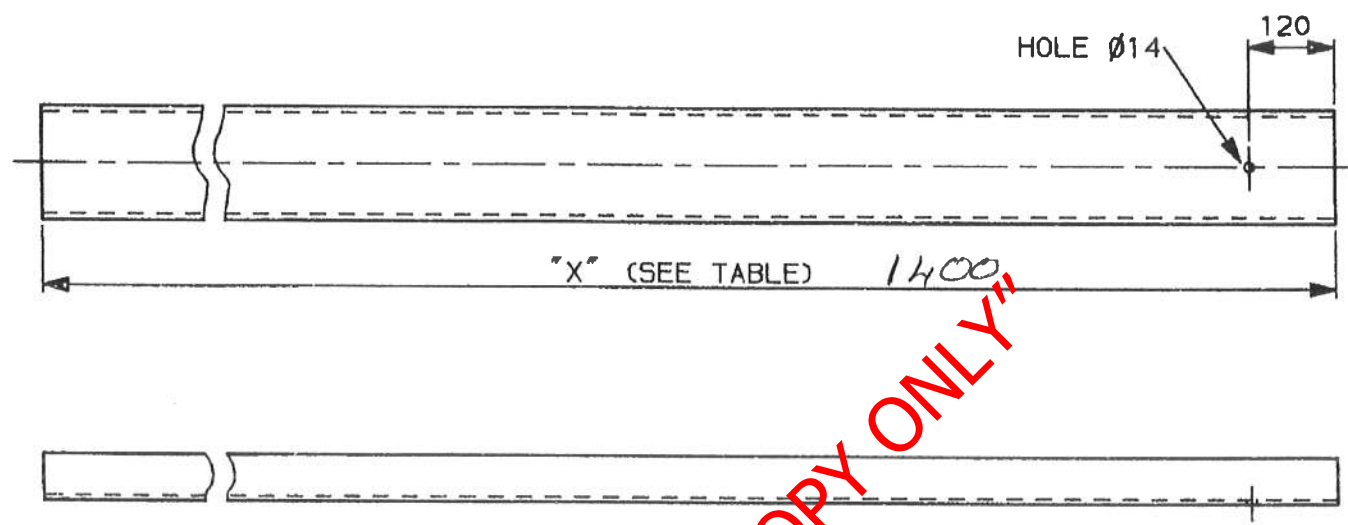
SUPPORT BRACKET ASSEMBLY

DRAWING NO CEE-
TMFB-62
 SHEET 1 OF 5

INFRASTRUCTURE (ELECTRICAL) SPOORNET

AERIAL BUNDLED CONDUCTOR, 11/33kV TRANSMISSION LINE ON OHTE MAST
 UNIVERSAL COLUMN AND CONCRETE MASTS

Rev: 10499275



AMENDMENTS		
NO	NAME	DATE
1	W. BRIGHT	93-01-28

DRG NO WAS SHEET
2 OF 4.
DO REF P92/034

PREVIEW COPY ONLY

TABLE	MAST	
	DIMENSION "X"	
APPLICATION	NORMAL	EXTENSION
AERIAL BUNDLED CONDUCTOR	———	1 600
11kV TRANSMISSION LINE	1400	1 800
33kV TRANSMISSION LINE	1400	2 000
33kV TRANSMISSION LINE	900*	———

* THIS LENGTH ONLY TO BE USED
WHEN 33kV TRANSMISSION LINE IS
RUN ON STRUCTURES SUPPORTING AERIAL
BUNDLED CONDUCTOR MAKE-OFF OR
TRANSFORMER ARRANGEMENTS

STORES ITEM NO _____
DIMENSIONS: mm
SCALE: 1:10

MATERIAL: ITEM NO 11/15575, STEEL, CHANNEL, 160 X 65 X 18,8kg/m X "X" L SPEC CME 9 SYM 8

DO REF: P91/027	GEN TOL: LIN ± 1	ANG ± —
DRN: C. MADDISON	CKD: J v TONDER	DATE: 92-06-16
ENG: L BORCHARD	L BORCHARD	for CHIEF ENG

SUPPORT BRACKET

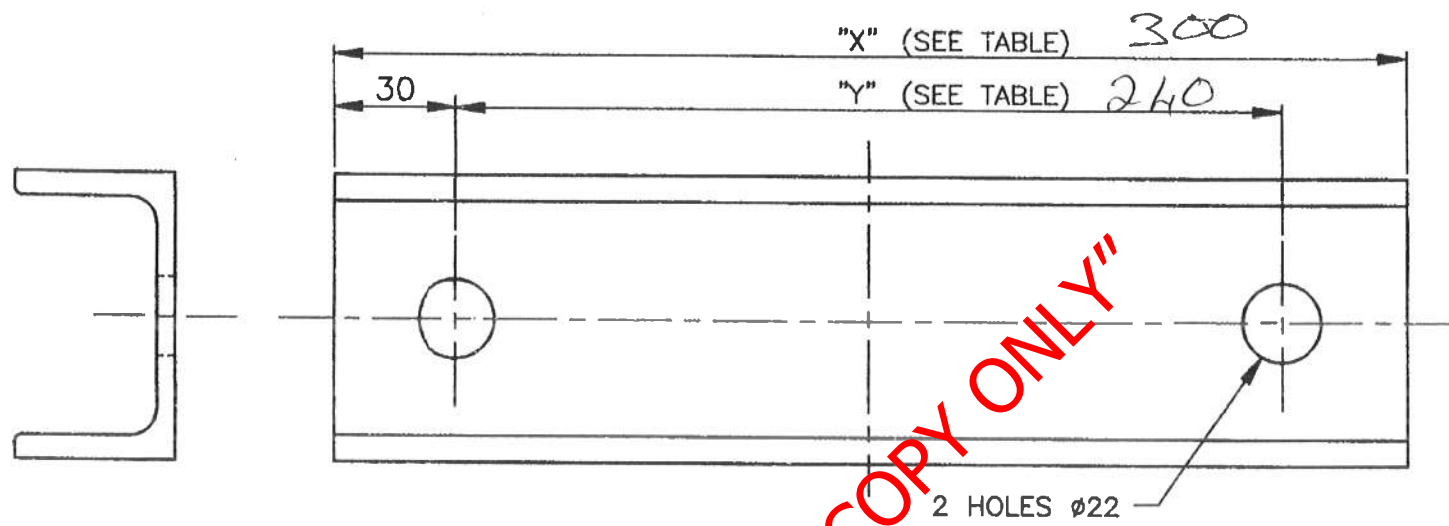
AERIAL BUNDLED CONDUCTOR, 11/33kV TRANSMISSION
LINE ON OHTE MAST
UNIVERSAL COLUMN AND CONCRETE MASTS

DRG NO **CEE-**
TMFB-62
SHT **2** OF **5**

INFRASTRUCTURE
(ELECTRICAL)



Req: 10499275



AMENDMENTS		
NO	NAME	DATE
1	W BRIGHT	93/01/28
DRG NO WAS SHEET 3 OF 4. DO REF: P92/034		
2	JVT	94-08-23
MATERIAL SIZE WAS 80x45x8,64 kg/m : T94/053		
3	J DU PLESSIS	96-01-25
TABLE REVISED RE CONCRETE MASTS. DO REF: T95/057		

TABLE APPLICATION	DIMENSIONS	
	"X"	"Y"
CONCRETE MAST (GRINAKER TYPE)	300	240
CONCRETE MAST (ROCLA TYPE)	360	300
UNIVERSAL COLUMN 206 X 204	300	240
UNIVERSAL COLUMN 216 X 206	300	240
UNIVERSAL COLUMN 254 X 254	350	290
UNIVERSAL COLUMN 260 X 256	350	290



STORES ITEM NO _____
DIMENSIONS: mm
SCALE: 1:2

MATERIAL: ITEM NO 11/4144, STEEL, CHANNEL, 76 X 38 X 6,7 kg/m X "X" LG

DO REF: P91/027 GEN TOL: LIN± 1 ANG± —
DRN: C MADDISON CKD: JVT DATE: 92-06-16
ENG: L BORCHARD L BORCHARD for CHIEF ENG

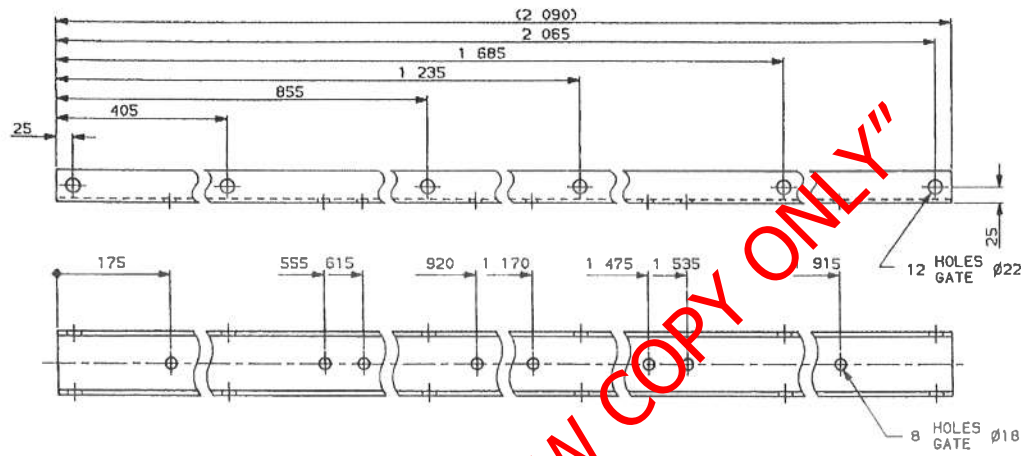
ATTACHMENT BRACKET

AERIAL BUNDLED CONDUCTOR, 11/33kV TRANSMISSION
LINE ON OHTE MAST
UNIVERSAL COLUMN AND CONCRETE MASTS



A4
 DRG NO **CEE-**
TMFB-62
 SHT **3** OF **5**

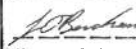

TMFB-62

REF: 10499276



FINISH: POLYMER
ZINC COAT TO
SINK HOLES VOLGENS SABS 763

AMENDMENTS WYSIGINGS		
NO	NAME NAAM	DATE DATUM

MATERIAL/MATERIAAL		
STEEL, CHANNEL 100 X 50 X 10,6kg/m x 2 090L		
STAAAL, KANAAL		
STORES ITEM NO 11/14683		
MAGASYNITEM-		
SPEC CME-9 SYM 8		
SPEK SIM		
DO REF P89/065	GEN TOLERANCES, LIN ± 1	
TK-VERW	ALG TOLERANSIES, ANG/HOEK ±	
DRN C L BUCKLE	ENG IR	DATE 90-04-11
 For n.		 SPOORNET
CHIEF ENGINEER (POWER SUPPLIES) INFRASTRUCTURE		
HOOFINGENIEUR (KRAGVOORSIENING) INFRASTRUKTUUR		

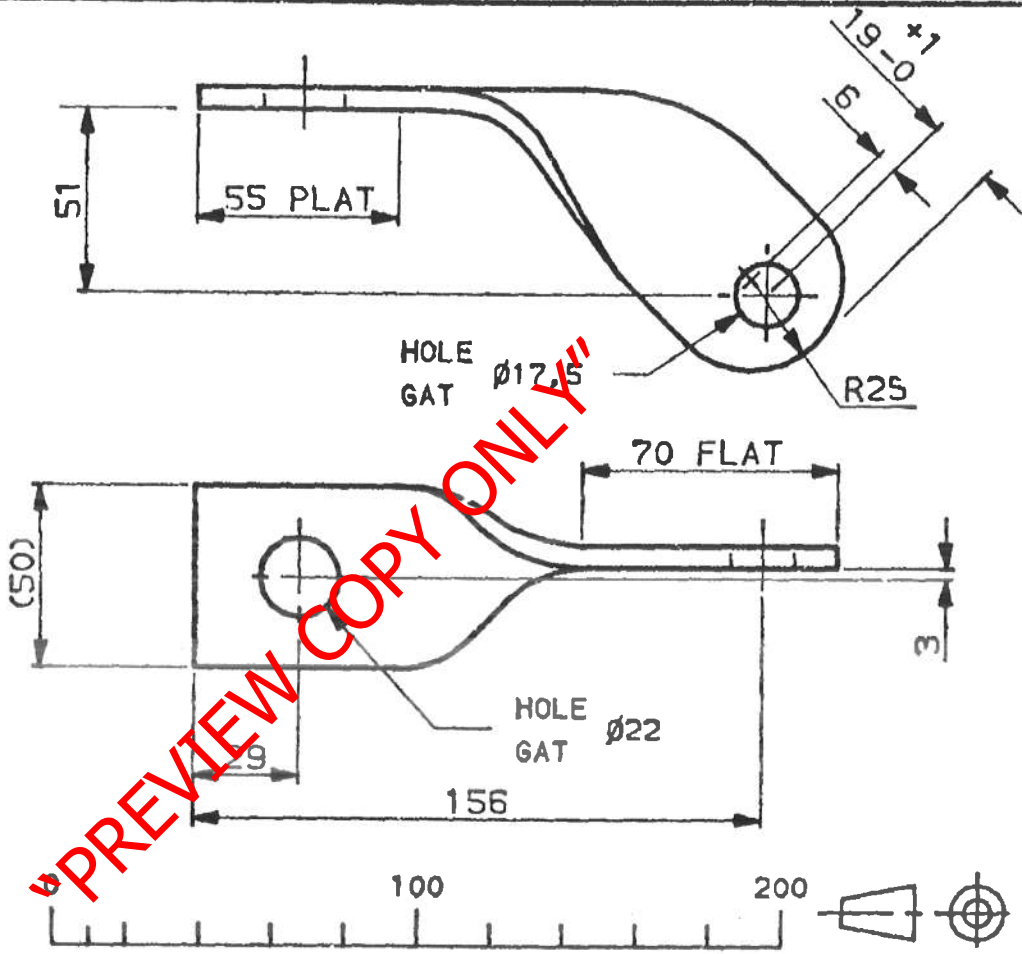
CROSS ARM, DOUBLE STRINGING
 DEVIATIONS ABOVE 20° TO 90°
 11kV TRANSMISSION LINE
 DWARSARM, DUBBELLYN-
 AFWYKINGS BO 20° TOT 90°
 11kV TRANSMISSIELYN

STORES ITEM NO	
MAGASYNITEM-	
DRAWING NO	CEE-
TEKENING	PFE-40
SHEET OF	
VEL VAN	

A3

2 3 4 4 3 2

REF: 10499278



FINISH / AFWERKING
ZINC COAT TO
SINKBEDEK VOLGENS SABS 763

DIMENSIONS, MILLIMETRES
AFMETINGS, MILLIMETER

MATERIAL / MATERIAAL
STEEL, FLAT 50 X 6
STAAL, PLAT 50 X 6
STORES ITEM NO 11/21167
MAGASYNITEM-
SPEC CME 9 SYM/SIM 7
SPES

DRN GET L.B	GEN TOL: LIN ± 0,5	
TRCD NGT CAD/CRM	ALG TOL: ANG/HOEK ±	
CKD NGS F.W.C	DO REF TK-VERW	ENG IR
	DATE DATUM 45/10/12	G.K for n.
CHIEF ELECTRICAL ENGINEER ELEKTRIESE HOOFINGENIEUR JOHANNESBURG		
SOUTH AFRICAN TRANSPORT SERVICES SUID-AFRIKAANSE VERVOERDIENSTE		

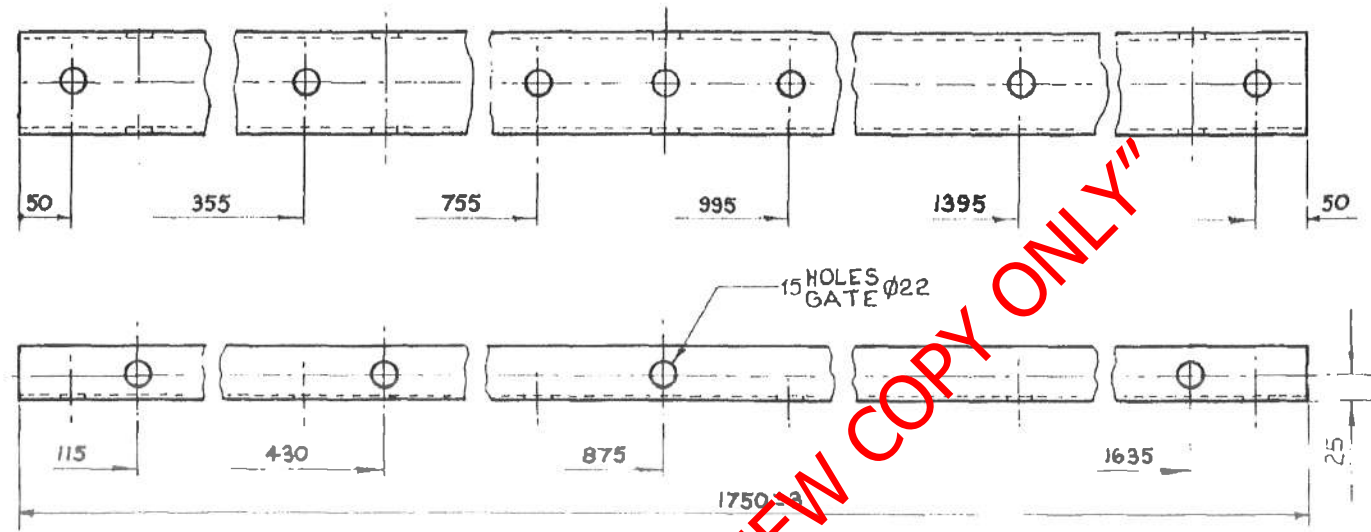
ELECTRIFICATION TYPE, GENERAL
MAKE-OFF STRAP
ELEKTRIFIKASIE TIEPE, ALGEMEEN
AFMAAKBAND

AMENDMENTS WYSIGINGS		
NO	NAME NAAM	DATE DATUM
9	F. HEYL	87/9/9
REDRAWN. ASSY DRG NOS ADDED OORGETEKEN SAMEST-TEK NOS BYGEVOEG DRG/TEK NO WAS CEE-54/110217 DO REF T87/105 TK-VERW		
10	J.V.T.	89/10/16
ITEM NO (54/2259) REMOVED/VERWY- DER. D O REF T 89/5 TK-VERW		
CEE-TP-5, 30, 145 CEE-PFC-39, 40, 83 CEE-PFB-3, 4, 5, 8, 9, 18, 19, 20		
CLASS/ASSY DRG KLAS/SAMEST-TEK		
STORES ITEM NO MAGASYNITEM		
DRG TEK NO CEE- TNE-2		
SHEET 1 OF 1 VEL 1 VAN 1		

REF. 104992



AMENDMENTS WYSIGINGS		
NO	NAME NAAM	DATE DATUM
1	A Vorster	79-11-08
ADDITIONAL CENTRE HOLE ADDED. BYKOMSTIGE MIDDELGAT BYGEVOEG.		
D.O. REF. P79/80. TK-VERW.		
2	A. Vorster	82-03-17
DIMENSIONS ALTERED AFMETINGS VERANSER. D.O. REF. P82/10 TK-VERW.		
3	T. Human	82-10-28
TITLE BLOCK ALTERED. TITELBLOK YERANDER. DO REF. P82/222. TK-VERW.		



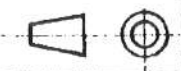
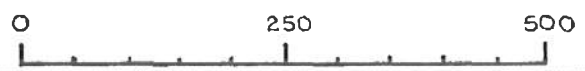
DIMENSIONS: MILLIMETRES
AFMETINGS: MILLIMETER

MATERIAL-MATERIAAL

- 1) STEEL CHANNEL 100 x 50 x 10,6 kg/m
STAAL KANAAL
STORES ITEM NO. (M) 11/14683
MAGASYNITEM
-ALTERNATIVE/ALTERNATIEF
- 2) STEEL CHANNEL 102 x 51 x 10,41 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. T63
AFWERKING: SINKBEDEK VOLG. SPES.



DRN. GET. BVAN RENSBURG	GEN. TOLERANCES: LIN ± 1 ALG. TOLERANSIES: ANG./HOEK	for ns.
TRCD. NGT. BVAN RENSBURG	DO. REF. TK-VERW. Y.76/43.	
CKD. NGS. W.R.G.	DATE DATUM 78-03-31	
CHIEF ELECTRICAL ENGINEER ELEKTROTEGNIесе HOOFINGENIEUR		JOHANNESBURG

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

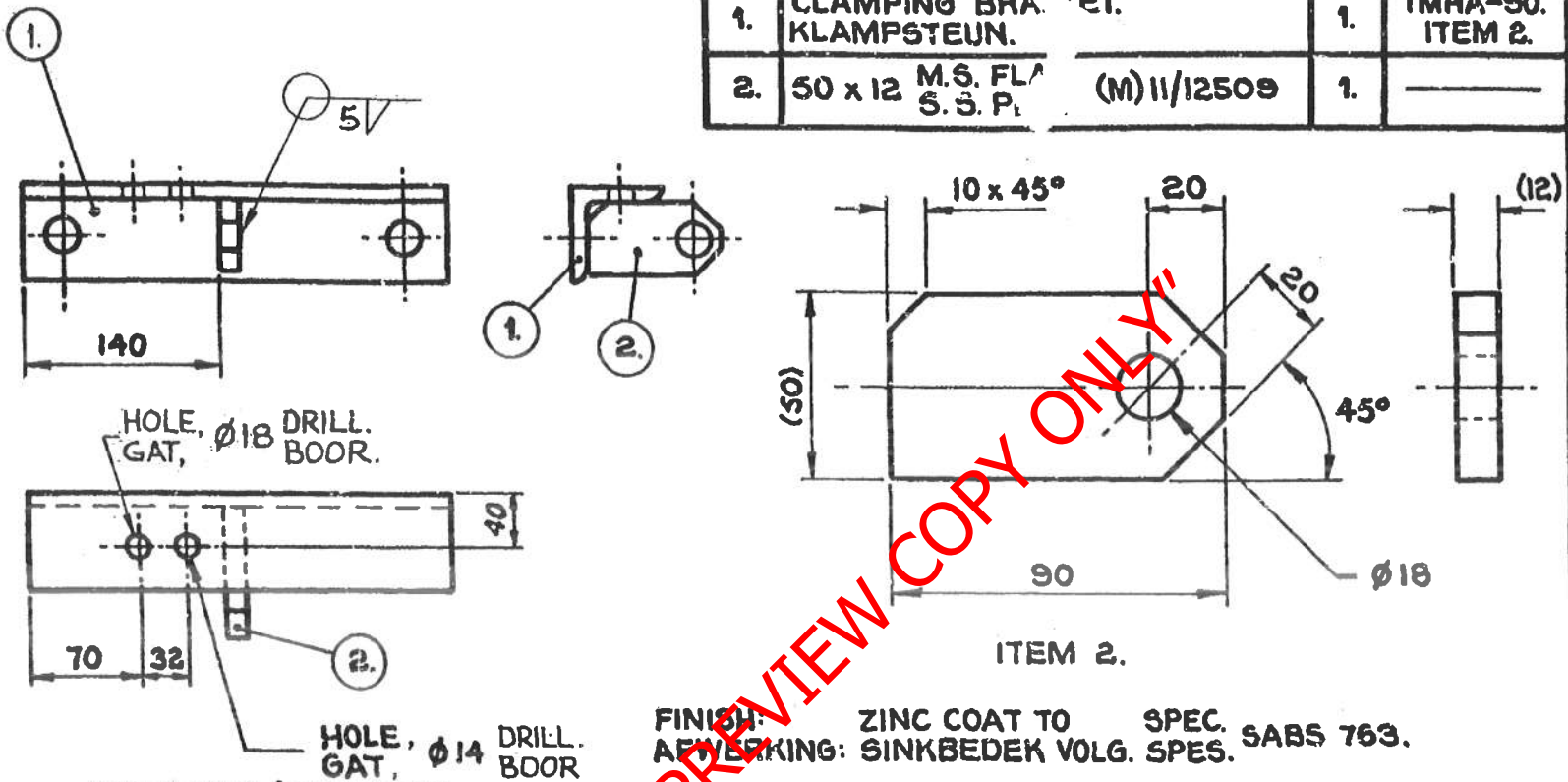
CEE-PFB-18
CEE-PFC-83
ASSY. DRG./SAMEST. TEK.

DRAWING NO. **CEE**
TEKENING NO. **CEE**
PFC - 78

SOUTH AFRICAN TRANSPORT SERVICES.
SUID-AFRIKAANSE VERVOERDIENSTE.

REF. 104 992 80

ITEM	DESCRIPTION / BESKRYWING:	QTY. HVLD.	DRG. TEK. NO. CEE	AMENDMENTS. WYSIGINGS.		
				NO.	NAME. NAAM.	DATE. DATUM.
1.	CLAMPING BRA. VET. 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



"PREVIEW COPY ONLY"

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

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

2.	T. Human	85-7-31
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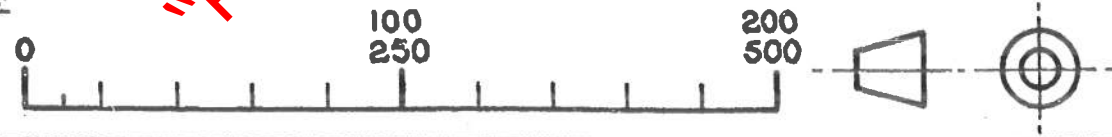
$\phi 18$ HOLE GAT WAS $\phi 14$.

D.O. REF. TK-VERW T2/85/35

ASSEMBLY / SAMESTEL

DIMENSIONS : MILLIMETRES
AFMETINGS : MILLIMETER

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



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

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.F. <i>[Signature]</i>
CKD. NGS. W.R.G.	DATE. 78-03-31 DATUM.	<i>[Signature]</i> JOHANNESBURG.

BRACKET; EARTH WIRE MAKE-OFF.

203 X 203 UNIVERSAL COLUMNS.
UNIVERSELE KOLOMME.

STEUN; AARDDRAADAFHEGTING.

DRAWING TEKENING No. **CEE**

PFC-84.