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FOR EARTH BRACKET
DETAILS SEE DRAWING
No. D-DT 7331

FOR CROSS ARM
DETAILS SEE DRAWING
No. D-DT 7649/2

POLE MAY BE TUBULAR
OR COFFIN SHAPED

CHANNEL WELDED ONTO POLE
(SEE DRAWING No. D-DT 7649/3)

PLAN ON CROSS ARM ANGLES

L (HEIGHT ABOVE GROUND LEVEL)

1800

1875

1875

DIM TO HOLE ON CROSS ARM

GROUND LEVEL

ELEVATION ON POLE

THIS DRAWING IS RELEVANT FOR
GUYED AND FREESTANDING STRUCTURES

SEE ENLARGED
DETAIL 1

DIM TO HOLE ON CROSS ARM

ENLARGED DETAIL 1

ATTACHMENT HEIGHT DETAIL

HEIGHT A.G.L.(m)	C A H (m)			
	L	B	M	T
18.2	10.80	12.675	14.55	18.2
19.2	11.80	13.675	15.55	19.2
20.1	12.70	14.575	16.45	20.1
21.2	13.80	15.675	17.55	21.2
22.7	15.30	17.175	19.05	22.7
24.2	16.80	18.675	20.55	24.2

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
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AUTH:	A. BEKKER
DATE:	JULY 2002
CHKD:	B. BRANFIELD
DATE:	JUNE 2002
DRAWN:	S. LE ROUX
DATE:	JUNE 2002

DISTRIBUTION TECHNOLOGY RETICULATION/SUB-TRANSMISSION LINES SINGLE CIRCUIT GUYED INTERMEDIATE STEEL POLE - GENERAL ARRANGEMENT				
D-DT 7641		SET 4	SHEET 1	REVISION A

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4 A4L

1

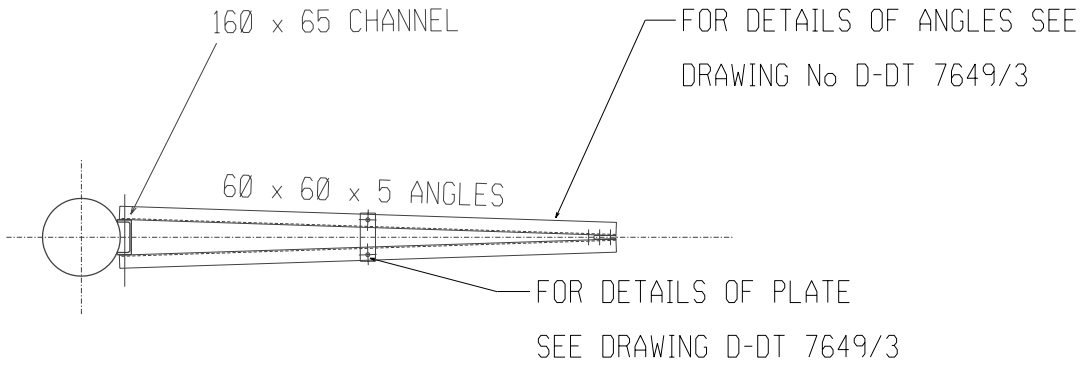
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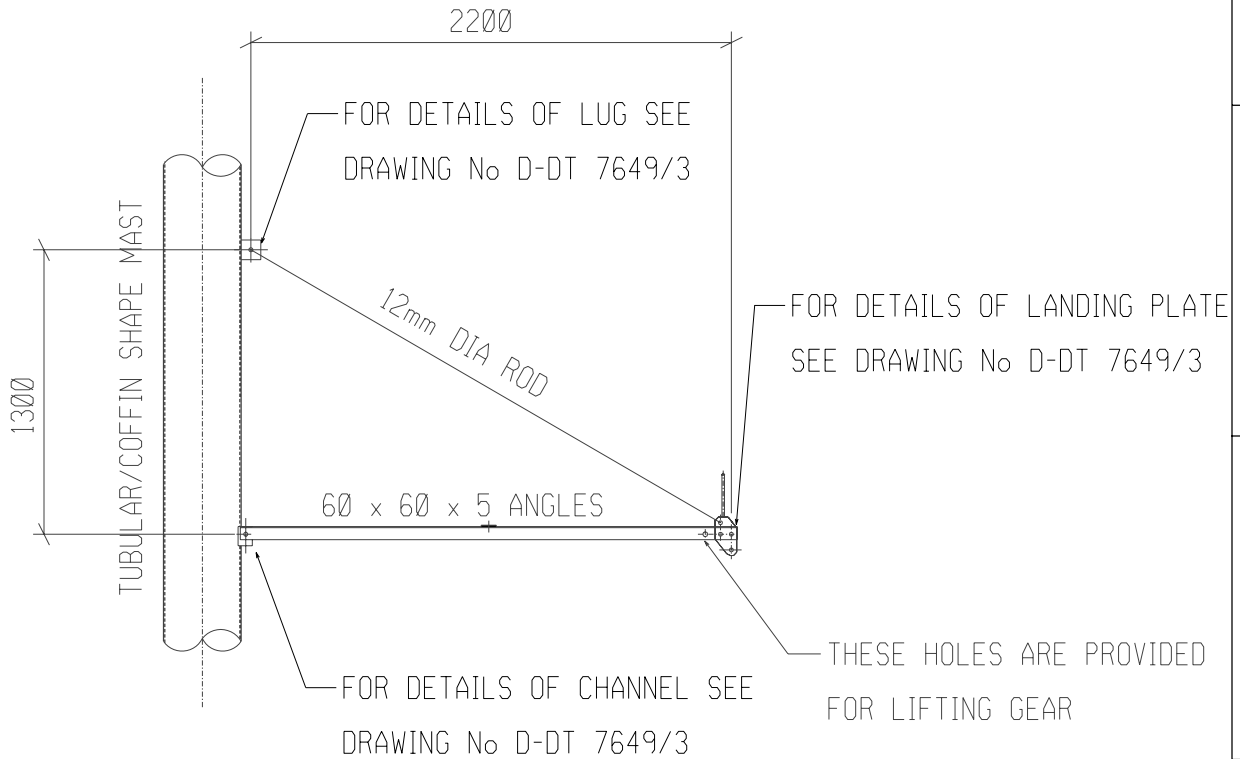
B

B

PLAN ON CROSS ARM ANGLES

C

C



D

D

ELEVATION ON CROSS ARM

NOTE:
ALL BOLTS USED TO BE
M16 GRADE 8.8 BOLTS

E

E

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<p>Eskom Distribution</p> <p>AUTH: A. BEKKER</p> <p>DATE: JULY 2002</p> <p>CHKD: B. BRANFIELD</p> <p>DATE: JUNE 2002</p> <p>DRAWN: S. LE ROUX</p> <p>DATE: JUNE 2002</p>	<p>DISTRIBUTION TECHNOLOGY</p> <p>RETICULATION/SUB-TRANSMISSION LINES</p> <p>SINGLE CIRCUIT GUYED INTERMEDIATE</p> <p>STEEL POLE - LAYOUT OF CROSS ARM</p>						
	D-DT 7641				SET	SHEET	REVISION
					4	2	A

1

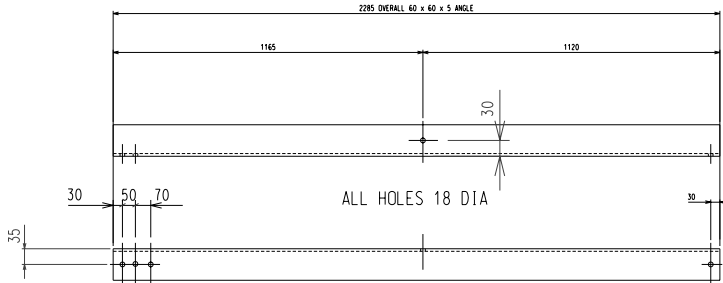
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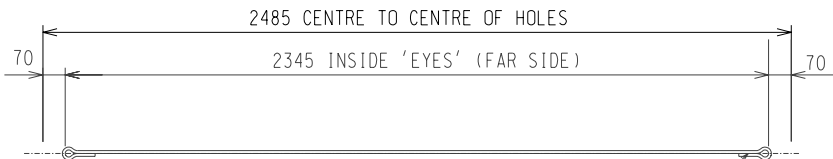


ONE ANGLE REQUIRED AS DRAWN
 ONE ANGLE REQUIRED TO OPP HAND

NOTE:
 ALL BOLTS USED
 TO BE M16 GRADE
 8.8 BOLTS

B

B

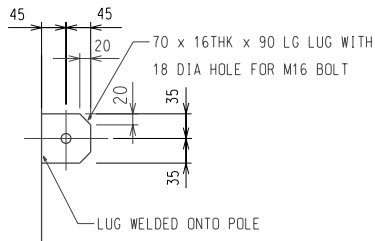


DETAIL OF 12mm DIA ROD

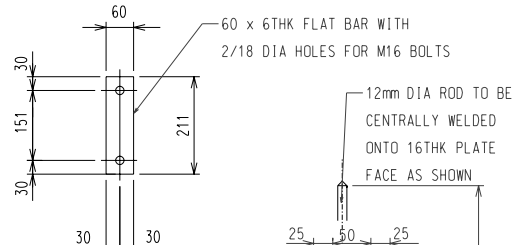
6mm FILLET WELD

C

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DETAIL OF LUG 'L1'

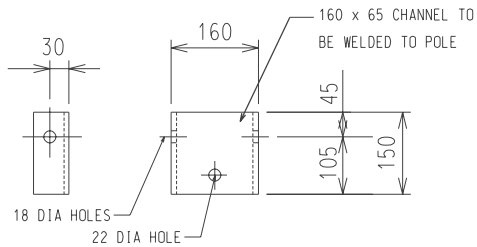


DETAIL OF PLATE 'P1'

12mm DIA ROD TO BE
 CENTRALLY WELDED
 ONTO 16THK PLATE
 FACE AS SHOWN

D

D



DETAIL OF CHANNEL CONNECTION

100 x 16THK x 175LG LANDING
 PLATE WITH 18 DIA HOLES FOR
 M16 BOLTS

DETAIL OF LANDING PLATE

E

E

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
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DISTRIBUTION TECHNOLOGY
 RETICULATION/SUB-TRANSMISSION LINES
 SINGLE CIRCUIT GUYED INTERMEDIATE
 STEEL POLE - X-ARM FABRICATION DRAWING

D-DT 7641

SET
4

SHEET
3

REVISION
A

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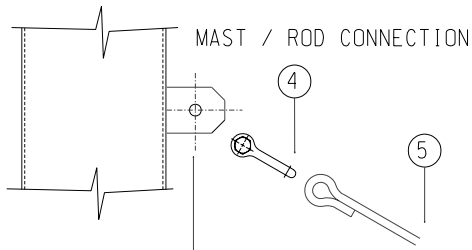
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MASS OF CROSS ARM:
 ANGLES (Total) = 20 kg
 CONNECTIONS/PLATES = 10 kg
 BOLTS = 1 kg

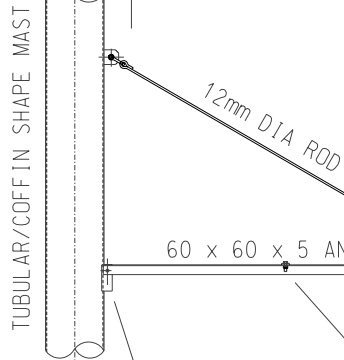
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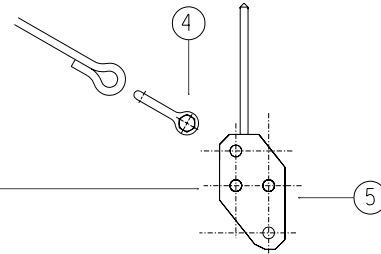


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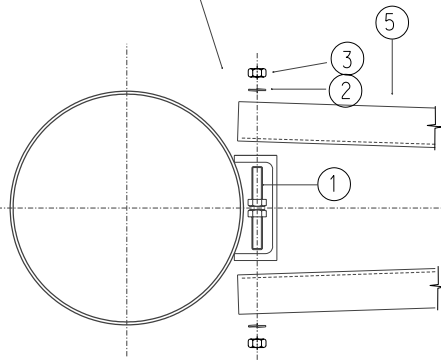


ROD / LANDING PLATE CONNECTION

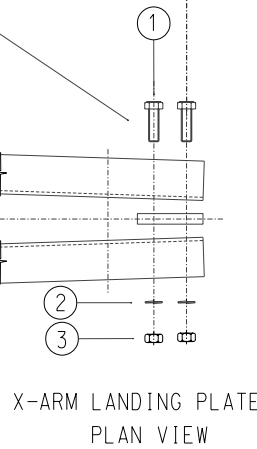
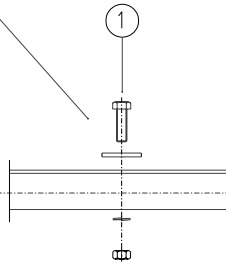


C

C



X-ARM STIFFENER PLATE
SIDE VIEW



D

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REF	DESCRIPTION	DRAWING NO.
1	SET SCREW, M16 x 50 LG GRADE 8.8	
2	WASHER, SPRING, M16	
3	NUT, M16	
4	SHACKLE, D 120KN	D-DT 7017
5	SUSP. ARM ASSEMB, 132KV	

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Eskom
Distribution

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DISTRIBUTION TECHNOLOGY
 RETICULATION/SUB-TRANSMISSION LINES
 SINGLE CIRCUIT GUYED INTERMEDIATE
 STEEL POLE - X-ARM FABRICATION DRAWING

D-DT 7641

SET	SHEET	REVISION
4	4	A

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4 A4L