





SAP MATERIAL No.:		0168525							
SHORT DESCRIPTION:		BRACKET,STRUT WOOD POLE 10x60x720 D3150							
TECH. DESCRIPTION:									
STRUT BRACKET * GRADE S355JR/350WA STEEL * HOT DIPPED GALVANISED * 720mm LONG x 60mm WIDE x 10mm THICK * ALL HOLES 22mm DIA. * 45 DEG. BEND * NO COLD BENDING ALLOWED * FOR USE ON WOOD POLE (STRUT) TO WOOD POLE * ESKOM DRAWING No. D-DT-3150 *									
ITEM		:- BRACKET,STRUT WOOD POLE 10x60x720							
MATERIAL SPECIFICATION		:- EN 10025-2 / SANS 1431							
CORROSION SPECIFICATION		:- SANS 121							
STANDARD SPECIFICATION		:-							
ESKOM SPECIFICATION		:-							
TEST & CERTIFICATION REQUIREMENTS :-									
INSPECTION		Yes	No	ESKOM RELEASE NOTE		Yes	No		
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS									
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE		
AUTH:		P. CROWDY	DATE:	17.07.1995	 D-DT- 3150		SAP No:		
				0168525					
CHKD:		J. SWAN	DATE:	17.07.1995			SET	SHEET	REV
							12	1	13
DRAWN:		P.A. VERMAAK	DATE:	18.05.1995					

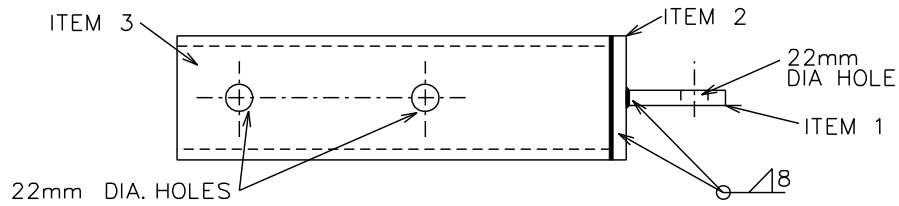
SPEC SHEET

SAP MATERIAL No.:	0164307						
SHORT DESCRIPTION:	BRACKET,STRUT SWIVEL WOOD POLE D3150						
TECH. DESCRIPTION:							
<p>SWIVEL STRUT BRACKET (WOOD POLE) *</p> <p>GRADE S355JR/350WA STEEL * HOT DIPPED GALVANISED *</p> <p>FOR USE ON WOOD POLE (STRUT) TO WOOD POLE *</p> <p>CONSISTING OF STRUT WOOD POLE BRACKET :</p> <p>(ITEM 1)-60 x 80 x 12mm THICK FLAT STEEL (1 OFF),</p> <p>(ITEM 2)-100 x 80 x 12mm THICK FLAT STEEL (1 OFF) AND</p> <p>(ITEM 3)-100 x 50 x 11 x 350mm LONG CHANNEL IRON (1 OFF) WITH</p> <p>22mm DIAMETER HOLES AND</p> <p>THREADED RODS M20 x 350mm LONG (D-DT-3015) (2 OFF) AND</p> <p>SET SCREW M20 x 65mm LONG (D-DT-3082) (1 OFF) *</p> <p>AND CONSISTING OF WOOD POLE BRACKET :</p> <p>(ITEM 4)-100 x 50 x 11 x 100mm LONG CHANNEL IRON (2 OFF) ,</p> <p>WITH 1 x 18mm DIA. x 40mm LONG SLOT EACH FOR U-BOLT,</p> <p>(ITEM 5)-100 x 50 x 11 x 350mm LONG CHANNEL IRON (1 OFF)</p> <p>WITH 2 x 22mm HOLES,</p> <p>(ITEM 6)-60 x 80 x 12mm THICK FLAT STEEL (2 OFF)</p> <p>WITH 1 x 22mm HOLE EACH AND</p> <p>(ITEM 7)-M16x2.0 ISO 6g BEFORE HOT DIPPED GALVANISED x 230 x 317mm U-BOLT (070M20) (1 OFF)</p> <p>COMPLETE WITH 4 x M16 NUTS AND 4 x M16 WASHERS *</p> <p>ALL WELDS TO BE 8mm CONTINUOUS SEAL WELD AND CONFORM TO SANS 10162-1 *</p> <p>ALL OF THE ABOVE PACKAGED AS A UNIT .</p> <p>ALL PACKAGING IS TO BE SUITABLE FOR STORAGE OUTDOORS *</p> <p>ESKOM DRAWING No. D-DT-3150 *</p>							
ITEM		:- BRACKET,STRUT SWIVEL WOOD POLES					
MATERIAL SPECIFICATION		:- EN 10025-2 / SANS 1431					
CORROSION SPECIFICATION		:- SANS 121					
STANDARD SPECIFICATION		:- SANS 10162-1					
ESKOM SPECIFICATION		:- DSP 34-2051					
TEST & CERTIFICATION REQUIREMENTS		:- TYPE TEST ACCORDING TO DSP 34-2051					
INSPECTION		Yes	No	ESKOM RELEASE NOTE		Yes	No
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS							
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED	P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS	P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525	P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995			SAP No:	
CHKD:	J. SWAN	DATE:	17.07.1995			0164307	
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	D-DT- 3150		SET	SHEET
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						REV	13

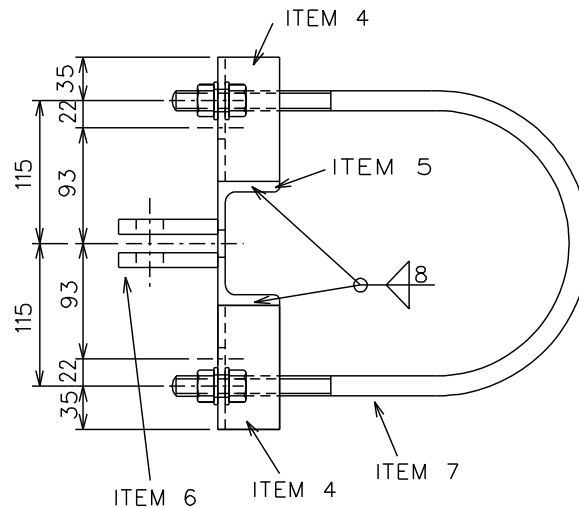


NOTE :
 * ITEM 7 (U-BOLT)
 * M20x65 SET SCREW
 NOT SHOWN

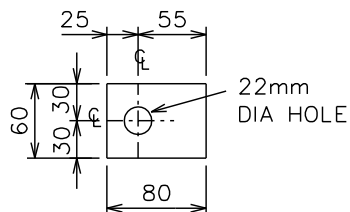
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013			
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012			
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHIRSTIAANS	B. HILL	28.09.2011			
REV	REVISION DESCRIPTION			BY	CHKD	AUTH		DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS		 Eskom		SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF: SERIES 3000				0164307		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	FILE No: 3150		D-DT- 3150		SET	SHEET	REV
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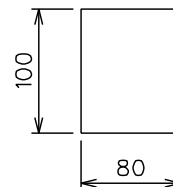
(TOP VIEW)
WOOD POLE STRUT BRACKET ASSEMBLY



(TOP VIEW)
WOOD POLE BRACKET ASSEMBLY




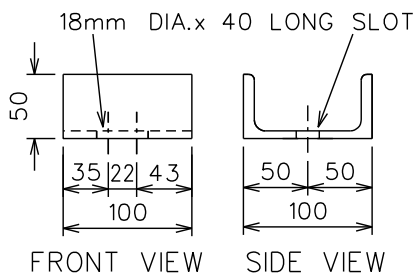
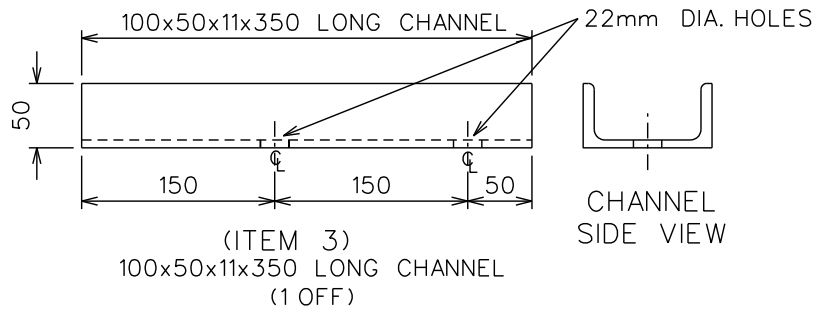
(ITEM 1)
60x80x12 THICK
FLAT (1 OFF)



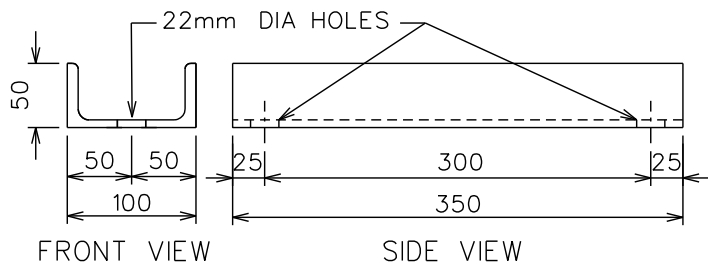
(ITEM 2)
100x80x12 THICK
FLAT (1 OFF)

WOOD STRUT POLE TO WOOD POLE
SWIVEL ASSEMBLY - DETAILS

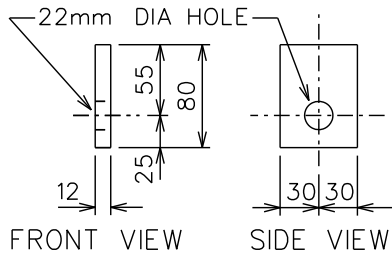
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS			SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF: SERIES 3000			0164307		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	FILE No: 3150	D-DT-3150		SET	SHEET	REV
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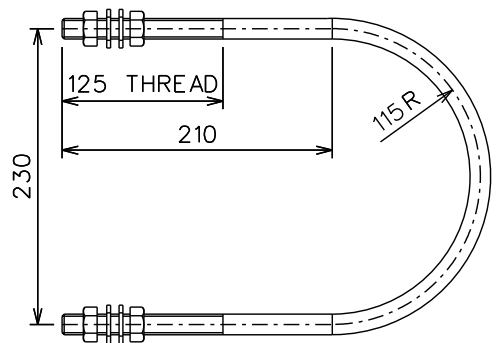
(ITEM 4)
100x50x11x100 LG CHANNEL
(2 OFF)



(ITEM 5)
100x50x11x350 LG CHANNEL
(1 OFF)




(ITEM 6)
60x80x11 THICK FLAT
(2 OFF)




M16 x 2.0 ISO 6g BEFORE
HOT DIPPED GALVANISED
COMPLETE WITH
4 x M16 NUTS (D-DT-3173) AND
4 x M16 WASHERS (D-DT-3014)

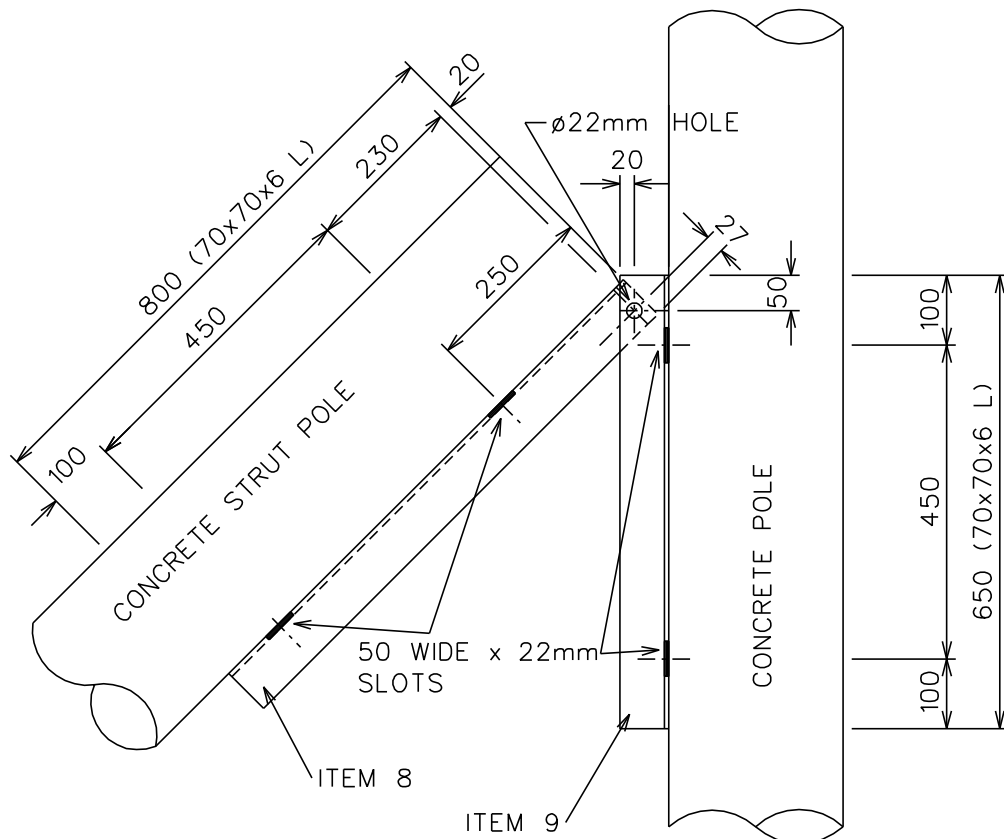
'U' BOLT (ITEM 7)
(1 OFF)

WOOD STRUT POLE TO WOOD POLE
SWIVEL ASSEMBLY - DETAILS CONTINUED

13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS	 Eskom		SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF: SERIES 3000			0164307		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	FILE No: 3150	D-DT- 3150		SET	SHEET	REV
							12	5	13


SPEC SHEET

SAP MATERIAL No.:	0164291							
SHORT DESCRIPTION:	BRACKET,STRUT SWIVEL CONCRETE POLE D3150							
TECH. DESCRIPTION:								
<p>SWIVEL STRUT BRACKET (CONCRETE POLE) *</p> <p>GRADE S355JR/350WA STEEL * HOT DIPPED GALVANISED *</p> <p>FOR USE ON CONCRETE POLE (STRUT) TO CONCRETE POLE *</p> <p>CONSISTING OF :</p> <p>(ITEM 8)-70 x 70 x 6 x 800mm LONG ANGLE IRON (1 OFF) AND</p> <p>(ITEM 9)-70 x 70 x 6 x 650mm LONG ANGLE IRON (1 OFF) *</p> <p>ALL SLOTS TO BE 50mm WIDE x 22mm *</p> <p>THREADED RODS M20 x 250mm LONG WITH 4 NUTS AND 2 WASHERS</p> <p>PER ROD (4 OFF) * SWIVEL BOLT M20 x 50mm LONG</p> <p>WITH LOCK NUT (1 OFF) * DIA. 22mm HOLE (1 OFF) *</p> <p>ALL WELDS TO BE 8mm CONTINUOUS SEAL WELD AND CONFORM TO SANS 10162-1 *</p> <p>ALL OF THE ABOVE PACKAGED AS A UNIT .</p> <p>ALL PACKAGING IS TO BE SUITABLE FOR STORAGE OUTDOORS *</p> <p>ASSEMBLED MASS ITEMS 8 AND 9 = 9.25kg *</p> <p>ESKOM DRAWING No. D-DT-3150 *</p>								
ITEM	:- BRACKET,STRUT SWIVEL CONCRETE POLES							
MATERIAL SPECIFICATION	:- EN 10025-2 / SANS 1431							
CORROSION SPECIFICATION	:- SANS 121							
STANDARD SPECIFICATION	:- SANS 10162-1							
ESKOM SPECIFICATION	:- DSP 34-2051							
TEST & CERTIFICATION REQUIREMENTS :- TYPE TEST ACCORDING TO DSP 34-2051								
INSPECTION	Yes	No	ESKOM RELEASE NOTE			Yes	No	
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS								
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED	P.A.T.	B. HILL	B. HILL	12.08.2013			
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS	P.A.T.	B. HILL	B. HILL	01.06.2012			
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525	P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011			
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	 D-DT- 3150		SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995			0164291		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995			SET	SHEET	REV
						12	6	13



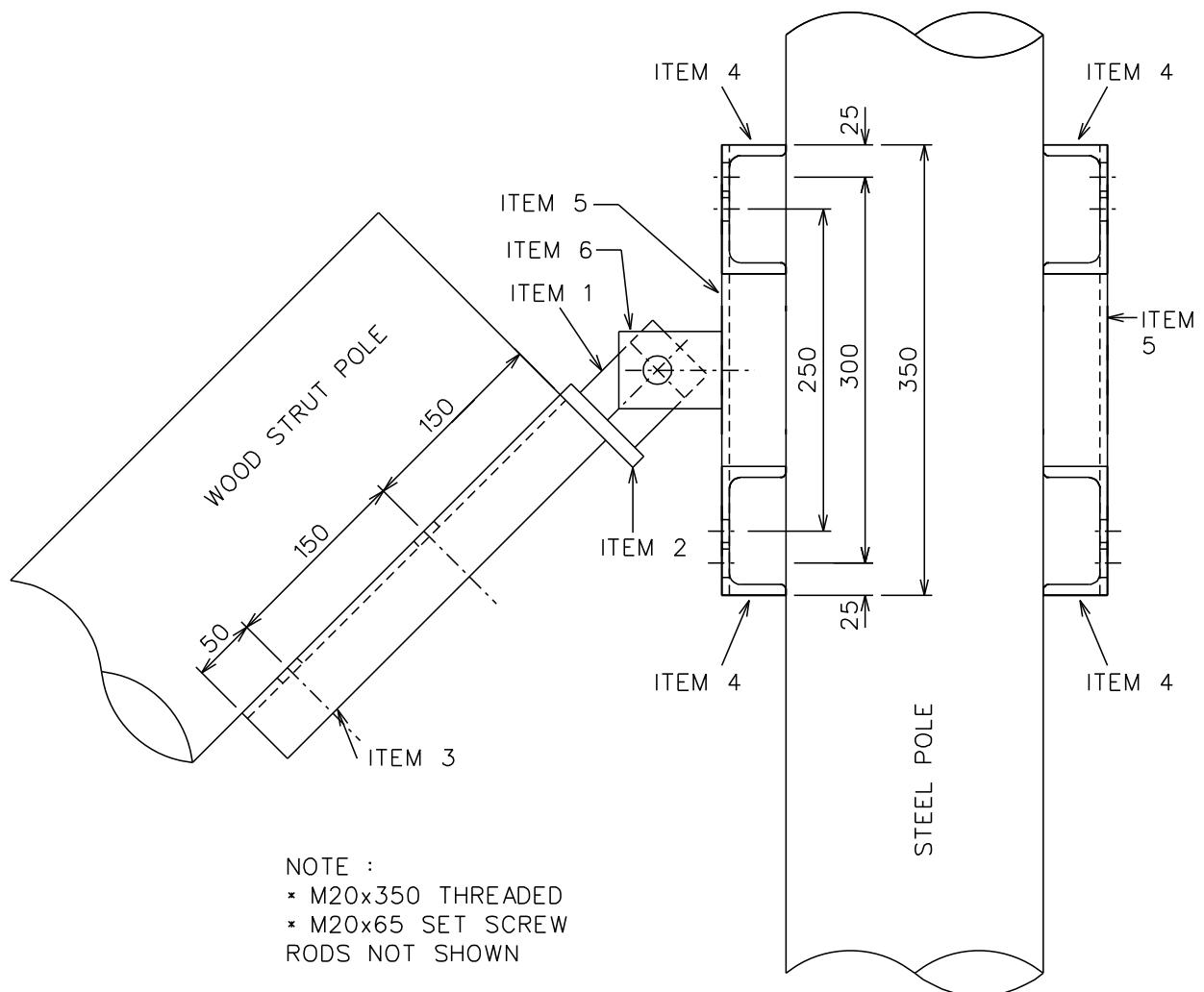
NOTE :
 * M20x250 THREADED
 * M20x50 SWIVEL BOLT
 NOT SHOWN

CONCRETE STRUT POLE TO CONCRETE POLE
 (SWIVEL ASSEMBLY)


13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS			SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF: SERIES 3000			0164291		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	FILE No: 3150	D-DT- 3150		SET	SHEET	REV
							12	7	13

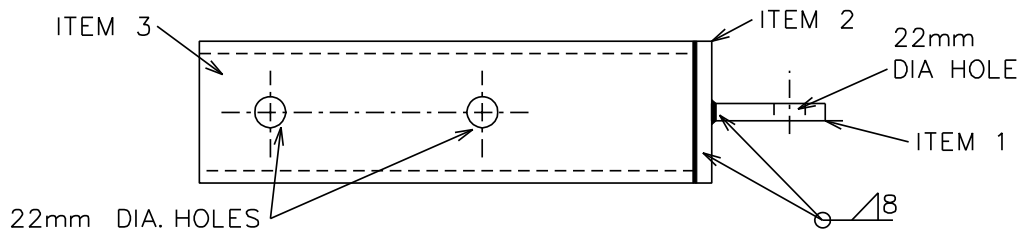
SPEC SHEET

SAP MATERIAL No.:	0225330							
SHORT DESCRIPTION:	BRACKET,STRUT SWIVEL STEEL POLE D3150							
TECH. DESCRIPTION:								
<p>SWIVEL STRUT BRACKET (STEEL POLE) *</p> <p>GRADE S355JR/350WA STEEL * HOT DIPPED GALVANISED *</p> <p>CONSISTING OF STRUT POLE BRACKET :</p> <p>(ITEM 1)-60 x 80 x 12mm THICK FLAT STEEL (1 OFF),</p> <p>(ITEM 2)-100 x 80 x 12mm THICK FLAT STEEL (1 OFF) AND</p> <p>(ITEM 3)-100 x 50 x 11 x 350mm LONG CHANNEL IRON (1 OFF) WITH</p> <p>22mm DIAMETER HOLES AND</p> <p>THREADED RODS M20 x 350mm LONG (D-DT-3015) (4 OFF) AND</p> <p>SET SCREW M20 x 65mm LONG (D-DT-3082) (1 OFF) *</p> <p>AND CONSISTING OF STEEL POLE BRACKET :</p> <p>(ITEM 4)-100 x 50 x 11 x 100mm LONG CHANNEL IRON (8 OFF) ,</p> <p>WITH 1 x 22mm DIA. x 40mm LONG SLOT EACH FOR THREADED ROD,</p> <p>(ITEM 5)-100 x 50 x 11 x 350mm LONG CHANNEL IRON (2 OFF)</p> <p>WITH 2 x 22mm HOLES AND</p> <p>(ITEM 6)-60 x 80 x 12mm THICK FLAT STEEL (2 OFF)</p> <p>WITH 1 x 22mm HOLE EACH *</p> <p>ALL WELDS TO BE 8mm CONTINUOUS SEAL WELD AND CONFORM TO SANS 10162-1 *</p> <p>ALL OF THE ABOVE PACKAGED AS A UNIT .</p> <p>ALL PACKAGING IS TO BE SUITABLE FOR STORAGE OUTDOORS *</p> <p>ESKOM DRAWING No. D-DT-3150 *</p>								
ITEM	:- BRACKET,STRUT SWIVEL STEEL POLE							
MATERIAL SPECIFICATION	:- EN 10025-2 / SANS 1431							
CORROSION SPECIFICATION	:- SANS 121							
STANDARD SPECIFICATION	:- SANS 10162-1							
ESKOM SPECIFICATION	:- DSP 34-2051							
TEST & CERTIFICATION REQUIREMENTS :- TYPE TEST ACCORDING TO DSP 34-2051								
INSPECTION	Yes	No	ESKOM RELEASE NOTE			Yes	No	
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS								
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED	P.A.T.	B. HILL	B. HILL	12.08.2013			
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS	P.A.T.	B. HILL	B. HILL	01.06.2012			
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525	P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011			
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	 D-DT- 3150		SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995			0225330		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995			SET	SHEET	REV
						12	8	13

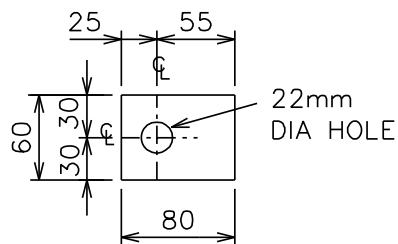


WOOD STRUT POLE TO STEEL POLE SWIVEL ASSEMBLY

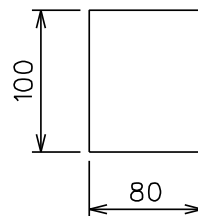
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS		 Eskom	SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF: SERIES 3000			0225330		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	FILE No: 3150			SET	SHEET	REV
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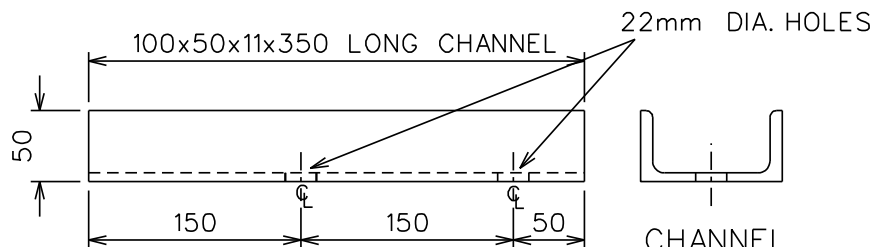
(TOP VIEW)
WOOD POLE STRUT BRACKET ASSEMBLY



(ITEM 1)
60x80x12 THICK
FLAT (1 OFF)




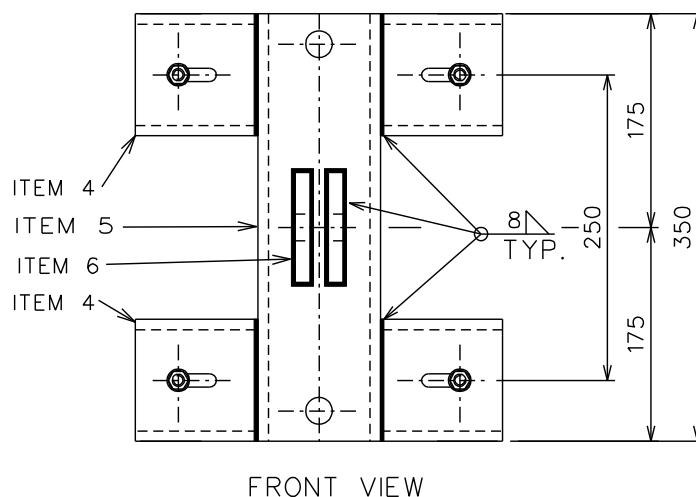
(ITEM 2)
100x80x12 THICK
FLAT (1 OFF)




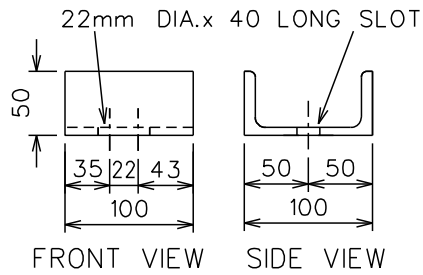
(ITEM 3)
100x50x11x350 LONG CHANNEL
(1 OFF)

WOOD POLE STRUT BRACKET DETAILS

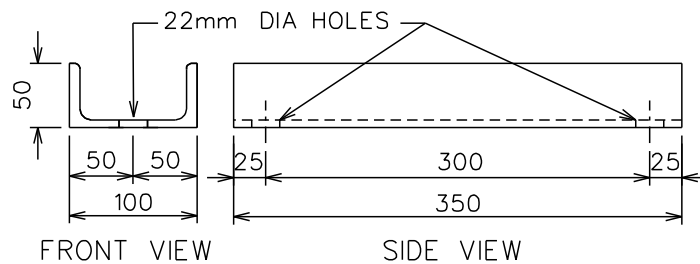
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED	P.A.T.	B. HILL	B. HILL	12.08.2013	
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS	P.A.T.	B. HILL	B. HILL	01.06.2012	
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525	P.A.T.	L. CHRISTIAANS	B. HILL	28.09.2011	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS
AUTH:	P. CROWDY	DATE:	17.07.1995	 D-DT-3150	SAP No: 0225330	
CHKD:	J. SWAN	DATE:	17.07.1995		SET	SHEET
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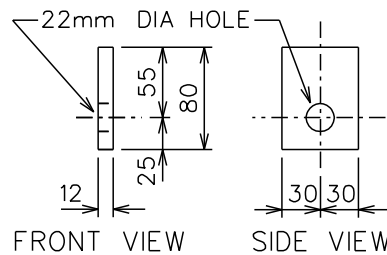
13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL		B. HILL		12.08.2013			
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL		B. HILL		01.06.2012			
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS		B. HILL		28.09.2011			
REV	REVISION DESCRIPTION				BY	CHKD		AUTH		DATE	REF. DWGS	
AUTH:	P. CROWDY		DATE:	17.07.1995	SCALE		 Eskom		SAP No:			
					NTS				0225330			
CHKD:	J. SWAN		DATE:	17.07.1995	CAD REF:							
					SERIES 3000		D-DT- 3150		SET	SHEET	REV	
DRAWN:	P.A. VERMAAK		DATE:	18.05.1995	FILE No:				12	11	13	
					3150							



(ITEM 4)
100x50x11x100 LG CHANNEL
(8 OFF)




(ITEM 5)
100x50x11x350 LG CHANNEL
(2 OFF)



(ITEM 6)
60x80x11 THICK FLAT
(2 OFF)

STEEL POLE BRACKET DETAILS

13	ITEM 7 NUMBER OF U BOLTS REQUIREMENTS CORRECTED			P.A.T.	B. HILL	B. HILL	12.08.2013		
12	ITEM 7 SHOULD READ 4 x M16 NUTS AND 4 x M16 WASHERS			P.A.T.	B. HILL	B. HILL	01.06.2012		
11	WOOD POLE ADDED TO SHORT DESC. FOR SAP 0168525			P.A.T.	L.CHRISTIAANS	B. HILL	28.09.2011		
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	P. CROWDY	DATE:	17.07.1995	SCALE NTS	 Eskom		SAP No:		
CHKD:	J. SWAN	DATE:	17.07.1995	CAD REF: SERIES 3000			0225330		
DRAWN:	P.A. VERMAAK	DATE:	18.05.1995	FILE No: 3150	D-DT- 3150		SET	SHEET	REV
							12	12	13