



- NOTE:**
- THE STRUCTURE TO BE USED WITH A MAXIMUM INSULATOR SWING ANGLE OF 66.7° FROM THE VERTICAL.
 - THE STRUCTURE SHALL BE ERECTED SO THAT THE POLES ARE VERTICAL, THE TOPS OF POLES ARE LEVEL AND THE CROSSARM IS HORIZONTAL.
 - THE FOLLOWING INFORMATION IS OBTAINED FROM THE LINE SCHEDULE:
 - POLE LENGTH AND TYPE.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - VARIATIONS TO STANDARD POLE DEPTH 'D'.
 - CONDUCTOR AND OVERHEAD EARTH WIRE.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
 - ASSESSED EARTHING REQUIREMENTS.
 - DIMENSION 'U' HAS BEEN CALCULATED WITH THE INSULATOR STRING HANGING VERTICAL AND USING 10 INSULATORS FOR ITEM 13. THE MINIMUM GROUND CLEARANCE IS TO BE 7500mm.
 - THE MAXIMUM ANGLE OF INSULATOR SWING FOR 10 DISCS IS 66.7° FROM THE VERTICAL. FOR 11 DISCS THE SWING IS TO BE 68.7° AND FOR 12 DISCS THE MAXIMUM ANGLE IS TO BE 70.3°.

POLE LENGTH m	'D' STANDARD DEPTH m	'U' m
14.0	2.00	9.25
15.5	2.15	10.60
17.0	2.30	11.95
18.5	2.45	13.30
20.0	2.60	14.65
21.5	2.75	16.00
23.0	2.90	17.35
24.0	3.00	18.25

ITEM	DESCRIPTION	DRG.No.	STOCK CODE	QTY.
21	SCREW, SET M12x25mm	A3-14053	40549	1
20	LUG COMPRESSION 14mm HOLE TO SUIT MERCURY CONDUCTOR	A3-14053	10257	1
19	WASHER, SPRING M12 STAINLESS STEEL	A3-18082	39134	2
18	WASHER, FLAT M12 STAINLESS STEEL	A3-18081	39087	2
17	OFFSET EARTHING CLIP 14mm HOLE	A3-7734	11685	1
16	BOLT AND NUT M12 x 40 mm HEX. GALV.	A3-15466	37433	1
15	OVERHEAD EARTHWIRE SUSPENSION ARRANGEMENT (FOR CONCRETE POLE)	A2-12449		2
14	CONDUCTOR 7/4.50 MERCURY A.A.C.		13433	1M
13	OVERHEAD LINE SUSPENSION STRING ARRANGEMENT-2	A2-14043		3
12	WASHER SPRING M20 GALV.	A2-18082	12526	10
11	BOLT AND NUT M20 x 50 mm HEX. GALV.	A3-15467	11407	10
10	DROPPER PLATE	A3-8727	10590	1
9	CLEARANCE HANGER LINK - OFF-SET	A3-7755	10574	2
8	CLEARANCE HANGER BRACKET - SET	A3-7756	10582	2
7	WASHER FLAT M24 GALV.	A3-18081	12178	3
6	BOLT AND NUT M24 GALV. HEX. (TO SUIT POLE)	A3-15465		3
5	CROSSARM - GALV. 180 x 75mm CHANNEL (RCP-BB-L)	A3-7745	9915	1
	CROSSARM - GALV. 250 x 90mm CHANNEL (RCP-BB-H)	A3-7745		1
4	NUMBER PLATE			3
3	CONCRETE POLE FOOTING ARRANGEMENT	A3-12331		3
2	HIGH VOLTAGE CON. MULTIPLE POLE STRUCTURE BUTT PLATE EARTHING ARR.	A2-20210		2
1	POLE CONCRETE TYPE RCP BB	A2-13142		3

A2-513052

DO NOT SCALE DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENT NOTES A. 22-5-91 NOTE 1 DELETED, STOCK CODES AND DRG. NO. AMENDED. B. 21-6-91 CHANNELL SIZE CHANGED IN TABLE 3 P.S. C. DWN: P.S. CHKD:P.A.S. DATE: 31-8-95 REDRAWN ON CAD. BUTT PLATE EARTHING ADDED. ITEM 5 TAKES THE PLACE OF TABLE 3. MATERIAL LIST NUMERICAL LISTING CHANGED NOTE 4 ADDED. AUTH'D BY: R. BREMELL D. DWN: P.S. CHKD: DATE: 12-6-96 POLE DRG. NO. ITEM 1 ALTERED. AUTH'D BY: P. SUMNER E. DATE: 9-4-97 NEW ITEM 14 ADDED, 14 TO 20 RENUMBERED 15 TO 21. ITEM 16 DRG. NO AND STOCK CODE ALTERED. AUTH'D BY: P. SUMNER	ASSOCIATED DRAWINGS		DRAWING AUTHORISED by R. BREMELL DATE: 31-8-95
	132 kV TRANSMISSION STRUCTURE ASSEMBLY RCP - BB		SCALE: 1 : 25 DATE: 9-4-97 DRAWN: P.S. CHECKED: P.S. AUTH'D: P.S. AMENDMENT E SHEET 1 OF 1

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