



NOTES :

1. USE BARE 70mm² HARD DRAWN COPPER CONDUCTOR AT ALL LOCATIONS UNLESS AN ALTERNATIVE CONDUCTOR IS SPECIFIED BY NETWORK EARTHING.
2. STAPLING OF THE EARTH TO THE BUTT OF THE POLE IS TO BE COMPLETED BEFORE ERECTION.
3. STAPLES SECURING THE EARTHING CONDUCTOR ARE TO BE SPACED AT NOT MORE THAN 600mm.
4. AFTER ERECTION AND PRIOR TO THE CONNECTION OF ANY OVERHEAD EARTHWIRE, THE RESISTANCE OF THE BUTT EARTH SHALL BE MEASURED BY TESTING BETWEEN THE BUTT EARTH AND A REMOTE EARTH ELECTRODE. IF THE REQUIRED EARTH RESISTANCE, SPECIFIED BY NETWORK EARTHING, IS NOT ACHIEVED, ADDITIONAL EARTHING IS TO BE INSTALLED AS SHOWN UNTIL THE SPECIFIED VALUE OF RESISTANCE IS OBTAINED.
5. WHERE PRACTICAL, ADDITIONAL EARTHING CONDUCTOR IS TO BE INSTALLED PARALLEL AND UNDER THE OVERHEAD LINES.

SECTION A-A
SHOWING POLE STEPS AND EARTHING LOCATION

DETAIL B

16	CONDUCTOR - 19/2.14 (70mm ²) COPPER, ANNEALED, PVC COVERED, BLACK	60111	A/R	A/R	
15	CONNECTOR - COMPRESSION, PROFILE 'C', COPPER (70mm ² TO 70mm ² CONDUCTOR)	177942	2	4	
14	ROD - GROUND, ANTI-THEFT ARRANGEMENT (ERICO DRG: XE2073) PART No: 615800CW0505	182632	1	1	
13	NUT - M12, HEX., STAINLESS STEEL	515467	8987	2	
12	WASHER - SPRING, M12, STAINLESS STEEL	518082	143859	2	
11	WASHER - FLAT, M12, STAINLESS STEEL	518081	49429	4	
10	SCREW - SET, M12x25mm, HEX., STAINLESS STEEL	515467	44693	2	
9	LUG - COMPRESSION, 70mm ² , TINNED COPPER (2 x M12 HOLES, 30mm CENTRES)	176967	2	2	
8	SADDLE - CABLE, 15mm, DOUBLE SIDED, GALVANISED		5	5	
7	COUPLER - EARTH ELECTRODE, TO SUIT Ø15mm ROD	H31649	-	A/R	
6	ELECTRODE - DRIVEN EARTH, Ø15x1800mm	H31631	-	A/R	
5	CONNECTOR - COMPRESSION, PROFILE '6', COPPER (70mm ² CONDUCTOR TO Ø15mm ROD)	H31699	-	A/R	
4	SCREW - #12x45mm, SELF DRILLING	175567	24	24	
3	STAPLE - FENCING, 4.0x40mm, GALVANISED STEEL (SEE NOTES 2 & 3)	51060	A/R	A/R	
2	GUARD - EARTH, COVER, 3m, BLACK, PVC	157552	1	1	
1	CONDUCTOR - 19/2.14 (70mm ²) COPPER, EARTHING, HARD DRAWN (SEE NOTES 1 & 4)	176140	A/R	A/R	
ITEM	DESCRIPTION	DRG. No	STOCK CODE	STD ARR.	WITH ADD'L EARTHING
				QTY	

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: PATRICIA RIOS CHKD: PHILLIP JONES	DATE: 25/10/2012 STOCK CODE ADDED FOR ITEM 14.	APPD BY: GLENN FORD	DWN: P.R. CHKD: P.J. APPD: G.F.	DATE: 12/01/2023 MINIMUM EARTH WIRE SIZE CHANGED. MATERIAL LIST & NOTES AMENDED.
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MULTIPLE TIMBER POLE STRUCTURE EARTHING ARRANGEMENT		520225
ASSOCIATED DRAWINGS		

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	N.T.S	STANDARD CONSTRUCTION TIMBER POLE STRUCTURE EARTHING ARRANGEMENT TYPE SE-M5			
DESIGNED	-				
DRAWN	PETER SAUNDERS				
CHECKED	P.S				
APPROVED	I.NICHOLS				
DATE	11/12/1991	SIZE	DRAWING No	SHEET	AMD
PROJECT NUMBER	STD	A2	508786	1	10
PROJTRAK NUMBER	-				