



ITEM No	DESCRIPTION	DWG No	REV	STOCK CODE	QTY
1	CONDUCTOR - 70SQMM (19/2.14) COPPER, BLACK PVC INSULATED			60111	AS REQD
2	CONDUCTOR - 38 X 3.18 MM ANNEALED COPPER STRAP			H36348	AS REQD
3	OVERHEAD EARTH WIRE TERMINATION ARRANGEMENT 3	519450			1
4	LUG - COMPRESSION, BIMETALLIC, M10, 2 HOLE @ 30 CTRS. TO SUIT 7/4.5 AAC (MERCURY) CONDUCTOR			178882	1
5	LUG - COMPRESSION, TINNED COPPER, M12 TO SUIT 70SQMM COPPER CONDUCTOR			74831	3
6	LUG - COMPRESSION, TINNED COPPER, M16 TO SUIT 70SQMM COPPER CONDUCTOR			57877	1
7	CONNECTOR - COPPER EARTH CRIMP, Ø15 ROD TO 70SQMM COPPER CONDUCTOR			H31899	2
8	CONNECTOR - COPPER EARTH CRIMP, 70SQMM TO 70SQMM COPPER CONDUCTOR			177942	2
9	CONCRETE POLE FOOTING ARRANGMENT	512331	11		1
10	POLE - CONCRETE (LENGTH AND KN RATING DETERMINED BY LINE DESIGNER)				1
11	LIGHTNING SPIRE ARRANGMENT - TYPE 2 POLE MOUNTED ASSEMBLY	516894	4		1
12	NUT - M10 HEX HD 316 SS	515467	7	H39401	2
13	NUT - M12 HEX HD 316 SS	515467	7	8987	3
14	SET SCREW - M10x25 LG. HEX HD 316 SS	515467	7	44966	2
15	SET SCREW - M12x25 LG. HEX HD 316 SS	515467	7	44693	AS REQD
16	WASHER - M10 BELLEVILLE 304 SS	518082	6	177296	2
17	WASHER - M12 BELLEVILLE 304 SS	518082	6	175903	AS REQD
18	WASHER - M10 ROUND FLAT 316 SS	518081	7	49411	4
19	WASHER - M12 ROUND FLAT 316 SS	518081	7	49429	AS REQD

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. DO NOT SCALE.
- ALL TERMINATIONS TO EARTH STRAP TO BE MADE VIA TINNED COPPER OUTDOOR LUGS, HEXAGONAL CRIMPS AND STAINLESS STEEL BOLTS, NUTS AND WASHERS.
- COPPER STRAP TO BE ONE CONTINUOUS LENGTH FROM THE TOP TO BOTTOM OF POLE AND IS TO BE SECURED TO POLE AT 1000mm SPACINGS.
- PACK BETWEEN THE POLE FERRULE AND COPPER STRAP WHEN FERRULE IS RECESSED FROM OUTER SURFACE OF CONCRETE USING M12 SS WASHERS.
- ANNEALED COPPER STRAP TO BE TINNED IN THE LOCATION OF ALL BOLTED CONNECTIONS.
- CONSULT THE OVERHEAD MAINS DESIGNER FOR POLE SIZE, STRENGTH & FOUNDATION EMBEDMENT DEPTH.
- THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG. 520324.
- REFER TO SITE SPECIFIC EARTH GRID LAYOUT DRAWING FOR LOCATION OF CONNECTION TO GRID/ELECTRODE.
- LUG TO BE IN DIRECT CONTACT WITH GALVANISED STEEL PLATE.

LEGEND

- ITEM NUMBER (1...INFINITY)
- ASSEMBLY NUMBER (1...INFINITY)

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	20110901																		
	1	2	3	4	5	6	7	8	9	10	11	12							
	66kV SWITCHING STATION ELECTRICAL EARTHING-GENERAL EARTHING DETAIL T.B.A. 66kV SWITCHING STATION ELECTRICAL EARTHING - EARTH GRID LAYOUT T.B.A. 66kV SWITCHING STATION GENERAL ARRANGEMENT 202364																		
	ASSOCIATED DRAWINGS																		

SCALE 1:25

DESIGNED THOMAS PHILLIPS

DRAWN NATALIE SINGLETON

CHECKED THOMAS PHILLIPS

APPROVED ROSS HUGHES

DATE 23/08/12

PROJECT NUMBER STD

PROJTRAK NUMBER

STANDARD CONSTRUCTION

66kV SWITCHING STATION

LIGHTNING SPIRE AND

OHEW DETAILS

SIZE	DRAWING No	SHEET	AMD
A1	202369	01	0