



ITEM	DESCRIPTION	QTY	ORG. No	REV	STOCK CODE	QTY
82	COMMUNICATIONS (COAXIAL CABLE (TO BE INSTALLED BY COMMS SECTION)	78063				
81	25mm ² LD GREY CONDUIT (ABOVE GROUND)	78014				
80	25mm ² HD ORANGE CONDUIT (BELOW GROUND)					
79	EARTH STUBB McKEOWN	520088	3	H108415	1	
78	CURRENT TRANSFORMER - OUTDOOR FRAME LEAKAGE CT			144576	4	
77	PARALLEL GROOVE CLAMP COVER			176472	9	
76	LUG BI-METAL COMPRESSION 7/4.75			147421	A/R	
75	CABLE CCT 120 7/4.75 120mm ² AL			144527	3	
74	INSULATOR 22kV PIN			H21531	1	
73	CABLE 10 CORE 1/1.3mm			59899	A/R	
72	CONDUIT SWEEP BEND 63mm				PURCHASE	2
71	CONDUIT 63mm ORANGE				PURCHASE	1
70	CABLE COVER TO SUIT				PURCHASE	2
69	LINK - SAG TORN I/P PART No CTSLEW-070-1)				PURCHASE	3
68	COVER - STRAIN CLAMP			144543	3	
67	CLAMP - CONDUCTOR STRAIN FOR CCT120			144527	3	
66	INSULATOR - STRAIN ROD			144502	8	
65	INSULATOR - STRAIN ROD			144550	3	
64	INSULATOR 22KV PIN PATTERN C			75697	1	
63	CLOUT - GALVANISED Ø2.3 x 40			50963	A/R	
62	WASHER - M10 x 2mm x 1.2mm STAINLESS STEEL			42411	30	
61	WASHER - M10 SPRING STAINLESS STEEL			50120	15	
60	NUT - M10 HEX STAINLESS STEEL			H39401	15	
59	BOLT - M10 x 4.0 HEX STAINLESS STEEL			45096	15	
58	WASHER - M12 CONICAL GALVANISED			H39639	14	
57	WASHER - M12 SPRING GALVANISED			H12047	26	
56	WASHER - M12 FLAT GALVANISED			177982	20	
55	WASHER - M16 CONICAL GALVANISED			H39647	19	
54						
53	WASHER - M16 FLAT GALVANISED			177984	30	
52	WASHER - M20 CONICAL GALVANISED			H39655	9	
51	WASHER - M20 SPRING GALVANISED			175569	2	
50	WASHER - M20 50mm SQUARE GALVANISED			H39265	8	
49	WASHER - M20 75mm SQUARE GALVANISED			H39231	12	
48	WASHER - M24 CONICAL GALVANISED			H39663	4	
47	WASHER - M24 SPRING GALVANISED			ORDER	4	
46	WASHER - M24 FLAT GALVANISED			177991	8	
45	WASHER - M24 50mm SQUARE GALVANISED			H39273	4	
44	COACH SCREW - M12 x 100 GALVANISED			H42084	3	
43	U BOLT - M16 SIZE 3 GALVANISED			H36932	4	
42	STAPLES - GALVANISED 3.15mm x 25mm			175601	A/R	
41	BOLT & NUT - M12 x 50 HEX GALVANISED			46391	24	
40	BOLT & NUT - M12 x 140 HEX GALVANISED			46821	16	
39	BOLT & NUT - M12 x 260 HEX GALVANISED			H37637	4	
38	BOLT & NUT - M16 x 200 HEX GALVANISED			83725	6	
37	BOLT & NUT - M16 x 4.0 HEX GALVANISED			175674	8	
36	BOLT & NUT - M20 x 50 HEX GALVANISED			46573	2	
35	BOLT & NUT - M20 x 260 HEX GALVANISED			47126	4	
34	BOLT & NUT - M20 TO SUIT POLE HEX GALVANISED			515465	8	SECT.11
33	BOLT & NUT - M24 x 65 HEX GALVANISED			ORDER	6	
32	BOLT & NUT - M24 x 500 HEX GALVANISED			515465	8	H11538
31	CONNECTOR - 'P' CRIMP BURNDY EARTH			H31699	A/R	
30	POLE MOUNTED REGULATOR MANUFACTURED STEELWORK			181618	2	
29	PROTECTOR COVER EARTH GRID 2700mm BLACK			157552	2	
28	ROD - GROUND EARTH 1800 x 15mm COPPERCLAD			H31631	mm3	
27	EARTH BAR - 50.8mm TINNED HD COPPER (SEE DETAIL D)			179661	1	
26	CLAMP - 3 BOLT PARALLEL GROOVE - ALUMINIUM			144568	3	
25	PARALLEL GROOVE CLAMP 3 BOLT BI-METAL 35mm ² - 185mm ² AL/CU			176491	A/R	
24	CROSSARM 2700 x 150 x 100			183394	5	H23761
23	LUG - 70mm ² COMPRESSION M12 HOLE			74831	26	
22	CABLE - CU EARTH 70mm ² 19/2.14 PVC INSULATED			60111	A/R	
21	WIRE - TIE, PREFORMED, INSULATED FOR CCT120			144600	3	
20	EYEBOLT - M20 x 200mm GALVANISED			H37981	3	
19	LINK SYSTEM NUMBERS				A/R	
18	BOLT & NUT M24 x 90 HEX GALVANISED				PURCHASE	2
17	COVER - CONNECTOR INSULATING SHROUD			116715	6	
16	STEP - POLE 16mm DRIVE IN			517698	4	H17720
15	SIGN - "DANGER HIGH VOLTAGE"			503117	4	H47012
14	BRACKET - MOUNTING - 100mm GAIN BLOCK			146274	2	
13	CROSSARM 2700 x 150 x 100			183394	5	H23761
12	CUBICLE - FIBREGLASS PART No F106/EA (FULTON INDUST. AUSTR.)				PURCHASE	1
11	LIGHTNING ARRESTER UNIT - 11kV				111948	3
10	ISOLATING LINK - SINGLE PHASE 12kV 630A				58750	3
9	COVER - PROTECTOR UNDERGROUND CABLE 150mm				151084	A/R
8	BRACKET - MOUNTING - 150mm GAIN BLOCK				146290	1
7	CROSSARM - 3300 x 150 x 100 HARDWOOD			183394	5	H23020
6	11kV THROUGH TERMINATION 2-11			513915	17	SEE DWG 1
5	BRACE - CROSSARM 690 x 40 x 5mm FLAT BAR			514385	5	H17738
4	FIBREGLASS CABINET CONCRETE FOOTING			191227	0	
3	REGULATOR CONTROL CUBICLE				TBA	1
2	REGULATOR UNIT - SINGLE PHASE 100A OR 200A					2
1	POLE - 15.5m TPI 12kN CONCRETE 2.8m IN GROUND				152868	1

CAD DRAWING DO NOT MANUALLY AMEND	
AMENDMENTS	
0 INITIAL ISSUE	
DWN NATALIE SINGLETON	
CHKD PETER STOREY	
DATE 11/02/2008	
PHASING CORRECTED	
POLE HEIGHT CHANGED	
FROM 14.0m TO 15.5m	
APPD BY ROSS HUGHES	
DWN NATALIE SINGLETON	
CHKD PETER STOREY	
DATE 05/09/2008	
COMMUNICATIONS CABLE	
DETAILS ADDED	
APPD BY PETER STOREY	
DWN NATALIE SINGLETON	
CHKD STEPHEN LILLIS	
DATE 07/11/2008	
ITEM CHANGED FROM POLE	
STEP TO CONCRETE SLAB	
DETAILS UPDATED	
STOCK CODES UPDATED	
APPD BY STEPHEN LILLIS	

DESCRIPTION	DATE
STANDARD CONSTRUCTION POLE MOUNTED REGULATOR GROUND MOUNTED FIBREGLASS CABINET CONCRETE FOOTING DETAILS	191227
REGULATOR CROSSARM DRILLING DETAIL	183394
NU-LEC RECLOSER CONTROLLING POLE REGULATOR - CONSTRUCTION DETAIL	185171
POLE MOUNTED REGULATOR - GENERAL ARRANGEMENT	182685

ASSOCIATED DRAWINGS
EnergyAustralia
DESIGN 145 NEWCASTLE RD WALLSEND, NSW 2287 TEL 4951 9388 FAX 4951 9389
Enerserve A Business of EnergyAustralia

SCALE	125
DESIGNED	WILLIAM GRAHAM
DRAWN	NATALIE SINGLETON
CHECKED	PETER STOREY
APPROVED	ROSS HUGHES
DATE	07/01/08
PRJTRK No.	
PROJECT NUMBER	STD

STANDARD CONSTRUCTION 2 UNIT 11kV POLE MOUNTED REGULATOR WITH GROUND MOUNTED CONTROLLER CONSTRUCTION DETAIL	
DRAWING No	185174
SHEET	01
AMD	3
SIZE	B1