



ITEM	DESCRIPTION	QTY	DRG. No	REV	STOCK CODE	UNIT
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)				78014	
79	EARTH STUBB MAKE/WHY	520088	3		H108475	1
78	CURRENT TRANSFORMER - OUTDOOR FRAME LEAKAGE CT				144576	L
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				H21531	1
74	INSULATOR 22kV PIN				59899	A/R
73	CABLE 10 CORE 1/1,3mm					PURCHASE 1
72	CONDUIT SWEEP BEND 63mm					PURCHASE 2
71	CONDUIT 63mm ORANGE					PURCHASE 1
70	CABLE COVER TO SUIT					PURCHASE 2
69	LINK - SAG, 70KN (PLP PART No. CTSLW-070-1)					PURCHASE 3
68	COVER - STRAIN CLAMP				144543	3
67	CLAMP - CONDUCTOR STRAIN, FOR CCT120				144527	3
66	INSULATOR PIN, POST, LONG STUD				145052	8
65	INSULATOR - STRAIN ROD				144550	3
64	INSULATOR 22kV PIN PATTERN C				75697	1
63	FLUT - GALVANISED 27.3 x 4.0				50963	A/R
62	WASHER - M10 x 21mm x 1.2mm, STAINLESS STEEL				49411	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	WASHER - M16, FLAT, GALVANISED				177984	30
53	WASHER - M20, CONICAL, GALVANISED				H39655	9
52	WASHER - M20, SPRING, GALVANISED				175569	2
51	WASHER - M20, 50mm SQUARE, GALVANISED				H39265	8
50	WASHER - M20, 75mm SQUARE, GALVANISED				H39231	12
49	WASHER - M24, CONICAL, GALVANISED				H39663	4
48	WASHER - M24, SPRING, GALVANISED				ORDER	4
47	WASHER - M24, FLAT, GALVANISED				177981	8
46	WASHER - M24, 50mm SQUARE, GALVANISED				H39273	4
45	WASHER - M24, 75mm SQUARE, GALVANISED				H42484	3
44	COACH SCREW - M12 x 100, GALVANISED				H36932	4
43	U BOLT - M16, SIZE 3 GALVANISED				175601	A/R
42	STAPLES - GALVANISED 3.15mm x 25mm				46391	24
41	BOLT & NUT - M12 x 50, HEX, GALVANISED				46821	16
40	BOLT & NUT - M12 x 140, HEX, GALVANISED				H37637	4
39	BOLT & NUT - M12 x 260, HEX, GALVANISED				83725	6
38	BOLT & NUT - M16 x 200, HEX, GALVANISED				175674	8
37	BOLT & NUT - M16 x 4.0, HEX, GALVANISED				46673	2
36	BOLT & NUT - M20 x 50, HEX, GALVANISED				47216	4
35	BOLT & NUT - M20 x 260, HEX, GALVANISED				515445	8
34	BOLT & NUT - M20 TO SUIT POLE, HEX, GALVANISED				515445	8
33	BOLT & NUT - M24 x 65, HEX, GALVANISED				ORDER	6
32	BOLT & NUT - M24 x 500, HEX, GALVANISED				515445	8
31	CONNECTOR - P, CRIMP, BURNDY EARTH				H31659	A/R
30	POLE MOUNTED REGULATOR MANUFACTURED STEELWORK	181618	2			1
29	PROTECTOR COVER EARTH GRID 2700mm BLACK				157552	2
28	ROD - GROUND EARTH 1800 x 15mm COPPER/CLAD				H3631	mm3
27	EARTH BAR - 50.8mm TINED 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	1
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				H37881	3
19	LINK SYSTEM NUMBERS					A/R
18	BOLT & NUT M24 x 90 HEX GALVANISED					PURCHASE 2
17	COVER - CONNECTOR INSULATING SHROUD				11675	6
16	STEP - POLE 16mm DRIVE IN	517698	4		H17720	A/R
15	SIGN - "DANGER HIGH VOLTAGE"	503117	4		H47012	2
14	BRACKET - MOUNTING - 100mm GAIN BLOCK				146274	2
13	CROSSARM 2700 x 150 x 100	183394	5		H23761	1
12	CUBICLE - FIBREGLASS, PART No. F10616A (FULTON INDUST. AUSTR.)					PURCHASE 1
11	LIGHTNING ARRESTER UNIT - 11kV				11948	3
10	INSULATING LINK - SINGLE PHASE 12kV, 630A				58750	3
9	COVER - PROTECTOR UNDERGROUND CABLE 150mm				151884	A/R
8	BRACKET - MOUNTING - 150mm GAIN BLOCK				146290	1
7	CROSSARM - 3300 x 150 x 100 HARDWOOD	183394	5		H23020	1
6	11kV THROUGH TERMINATION 2-11	513915	17		SEE DWG 1	
5	BRACE - CROSSARM, 690 x 4.0 x 5mm FLAT BAR	514385	5		H17738	8
4	FIBREGLASS CABINET CONCRETE FOOTING	191227	0			1
3	REGULATOR CONTROL CUBICLE				TBA	1
2	REGULATOR UNIT - SINGLE PHASE 100A OR 200A					1
1	POLE - 15.5m TPI 12KN CONCRETE 2.8m IN GROUND				152868	1

- NOTES:**
- CONNECTIONS BETWEEN 11kV LINK UNITS & THE VOLTAGE REGULATORS ARE MADE USING 7/4,75 120mm² CCT CABLE.
 - LOAD LINK NUMBER TO BE INSTALLED ON POLE 2000mm ABOVE GROUND LINE AS SHOWN IN DETAIL A. POLE NUMBER TO BE INSTALLED BETWEEN 2400mm AND 3000mm ABOVE GROUND LINE. (SEE NS14.8).
 - FIRST POLE STEP TO BE FITTED NO LESS THAN 3600mm FROM GROUND LEVEL AND REMAINING STEPS TO BE STAGGERED ABOVE AT 450mm CENTRES ON ALTERNATE SIDES OF POLE. HOLES TO BE 50-100mm OFF CENTRE, DEPENDING ON THE SIZE OF THE POLE.
 - PHASE LINK MARKERS TO BE INSTALLED ADJACENT TO EACH LINK AS SHOWN.
 - ALL STEELWORK TO BE SECURELY BONDED TO EARTH USING 70mm² BLACK PVC INSULATED CABLE.
 - FOR CROSSARM DRILLING DETAIL SEE DRAWING 183394.
 - REGULATOR CONTROL CUBICLE TO BE POSITIONED EITHER IN THE FOOTPATH ALLOCATED AREA OR IN THE LINE EASEMENT NO CLOSER THAN 2500 FROM THE POLE. A 1550 x 1300 CONCRETE PAD IS REQUIRED FOR THE CONTROL CUBICLE.
 - DRAW WIRE TO BE INSTALLED INSIDE CONDUIT FOR FUTURE COMMS COAXIAL CABLE.
 - CONSTRUCT CONCRETE FOOTING FOR FIBREGLASS CABINET AS PER CONSTRUCTION DRAWING 191227

ALL EARTHING REQUIREMENTS MUST MEET NS116 "DESIGN STANDARDS FOR DISTRIBUTION EARTHING"

NO	DATE	BY	FOR
1	11/04/2008	DMN: NATALIE SINGLETON	PHASING CORRECTED CUBICLE NOTE AMENDED FROM 14.5m TO 15.5m
2	05/09/2008	DMN: NATALIE SINGLETON	COMMUNICATIONS CABLE DETAILS ADDED
3	07/11/2008	DMN: NATALIE SINGLETON	ITEM 4 CHANGED FROM POLE CAP TO CONCRETE SLAB DETAILS
4	20/05/2011	DMN: RAY DEAL	STOCK CODES UPDATED
5	20/05/2011	CHKD: DANIEL DAFO	
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