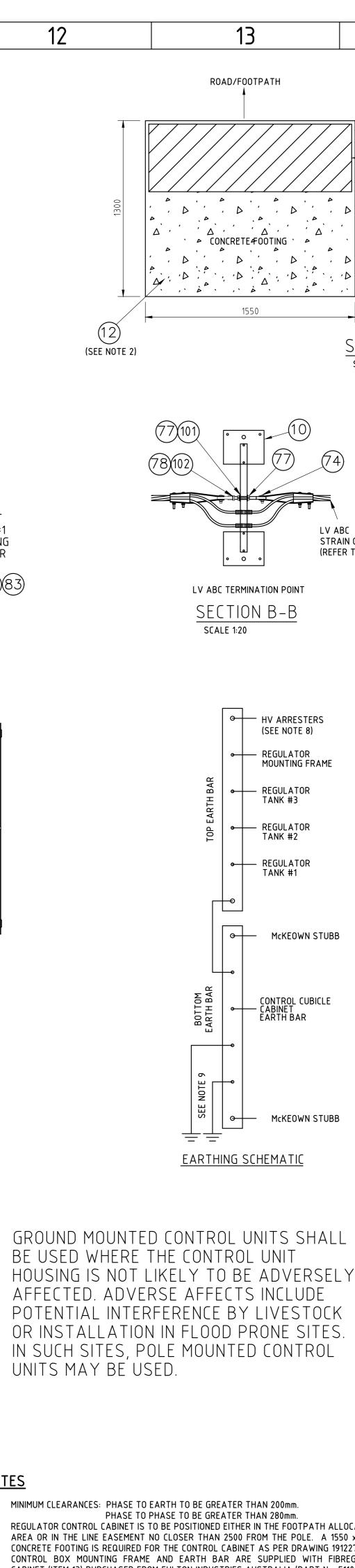


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5	6	7	8	9



12

- AREA OR IN THE LINE EASEMENT NO CLOSER THAN 2500 FROM THE POLE. A 15 CONCRETE FOOTING IS REQUIRED FOR THE CONTROL CABINET AS PER DRAWING 1 CONTROL BOX MOUNTING FRAME AND EARTH BAR ARE SUPPLIED WITH FIE CABINET (ITEM 13) PURCHASED FROM FULTON INDUSTRIES AUSTRALIA (PART No. PH. (02) 4323 4242 FOR REGULATOR MOUNTING FRAME FABRICATION DETAIL REFER TO DRAWING 18 CROSSARM DRILLING DETAIL REFER TO DRAWING 224230. EARTH ROD IS NOT TO BE POSITIONED UNDER CONTROL CABINET CONCRETE PLINT WHERE CCT MAINS ARE USED, STANDARD EARTHING POINTS & COVERS AF
- INSTALLED AS DETAILED IN NS126. ALL HV CONNECTIONS (EXCEPT CONNECTIONS TO THE ARRESTERS) ARE TO BE MA 7/4.75 120mm<sup>2</sup> COVERED CONDUCTOR THICK (CCT120). WHERE THE CONDUCTOR IS TO BE STRIPPED PRIOR TO TERMINATION, THE ENTIRE STRIPPED LENGTH MUST BE & WIRE BRUSHED VIGOROUSLY AND SUITABLE JOINTING COMPOUND APPLIE IMMEDIATELY. 7. THE HV CONNECTIONS TO THE ARRESTERS ARE TO BE MADE USING 35mm<sup>2</sup>
- COPPER CONDUCTOR (ITEM 47) AND SHALL HAVE UV STABILIZED MASTIC HEATSHRINK TUBING SHRUNK OVER THE BARREL OF THE LUGS AND THE CABLE EN 8. HV SURGE ARRESTERS ARE TO BE EARTHED BY DAISY CHAINING AND ELEC BONDED TO TOP EARTH BAR USING 70mm<sup>2</sup> PVC INSULATED COPPER CONDUCTOR (IT 9. 95mm<sup>2</sup> ALUMINIUM EARTH CONDUCTOR SHALL BE USED FROM THE BOTTOM EARTH 300mm ABOVE GROUND WHERE 70mm<sup>2</sup> COPPER EARTH CONDUCTORS WILL BE EXTE BI-METALLIC LINKS TO THE EARTH ELECTRODES. REFER TO DG158A FOR FURTHER
- REGULATOR (ASSET) NUMBER TO BE INSTALLED ON POLE APPROXIMATELY 3600r GROUND. LOAD LINK NUMBER TO BE INSTALLED IN ACCORDANCE WITH NS158 TAI 'HV & LV LINK SET NUMBER LABELS' (APPROXIMATELY 3000mm ABOVE GROUND). NUMBER SHALL BE INSTALLED IN ACCORDANCE WITH NS148 (BETWEEN 2400mm ABOVE GROUND). 11. PHASE LINK LABELS TO BE INSTALLED ADJACENT TO EACH LINK AS SHOWN USING
- 50mm ALUMINIUM (BLACK ON YELLOW) CHARACTER TAGS. 12. DANGER SIGNS TO BE INSTALLED ON BOTH FRONT & REAR OF POLE. SIGNS MUST AROUND POLE BEFORE SECURING. 13. A POLE MOUNTED EXTERNAL ANTENNA CAN BE INSTALLED WHERE REQUIRED. TH LOCATION OF THE ANTENNA ON THE POLE IS TO BE DETERMINED DURING INSTALL COMMUNICATION EQUIPMENT. THE LOCATION IS ALWAYS TO COMPLY WITH THI
- SAFE WORKING DISTANCES SPECIFIED IN AUSGRID'S ELECTRICAL SAFETY RULES. 14. DRAW WIRE TO BE INSTALLED INSIDE Ø40 CONDUIT FOR FUTURE COMMS COAXIA SECURE DRAW WIRE AND SEAL END OF CONDUIT WITH SUITABLE PVC TAPE. 15. INSTALL MEDIUM WALLED MASTIC LINED BLACK HEATSHRINK OVER THE BARE LU
- AND CABLE INSULATION. 16. STANDARD CCT EARTHING POINTS AND COVERS ARE TO BE INSTALLED ON THE CO USED FOR REGULATOR SUPPLY (ITEM 46). THESE ARE NORMALLY LOCATED INTELLIRUPTER POLE. HOWEVER IF THE INTELLIRUPTER POLE IS NOT WITHIN LINE OF THE REGULATOR POLE, STANDARD EARTHING POINTS AND COVERS AR INSTALLED ON BOTH ENDS OF THE CCT CABLE.



## CONSTRUCTION

10	11	12	13	

	14	15		16		
	2500 Mir	n. – 3500 max				
	(13)					A
	$\bigcirc$		POLE			
-						B
SECTION A	A - A					
		REFERENCE DRAWI	DLLING INTELLIRUPTER	244		
	EATON CO	E MOUNTED VOLTAGE REGULATOR WITH CO DOPER POWER SYSTEMS 100A & 200A POL DUNTED VOLTAGE REGULATOR GROUND MOUNTED FIBF	E MOUNTED REGULATOR MOUN		518	
	11kV POLE	E MOUNTED VOLTAGE REGULATOR TIMBER	CROSSARM DRILLING DETAIL	224	230	
CLAMP TO NS125)	EATO	EQUIPMENT WEIGHTS DN COOPER POWER SYSTEMS VR32 200A F	·	_ 9		
10 13 123)		NG POINT COVER (SEE NOTE 16) ( TERMINATION KIT FOR HV DROPPER LUG	.c	144741	3	
	104 ANTENNA (W	VHERE REQUIRED FOR COMMS INSTALL) TIONS COAXIAL CABLE (WHERE REQUIRED			1 AS REQ.	
		PRING, M20, GALV.	515466 518082 515467	175361 175569	2 2	
	99 WASHER – B	IEX, STAINLESS STEEL BELEVILLE, M10, STAINLESS STEEL LAT ROUND, M10, STAINLESS STEEL	518082 518081	H39401 177296 49411	30 30 60	
	97 SET SCREW 96 NUT – M12, H	– M10 x 30, HEX, STAINLESS STEEL IEX, STAINLESS STEEL	515467 515467 518082	45088 8987 175903	30 22 22	
	94 WASHER – F	BELEVILLE, M12, STAINLESS STEEL ELAT ROUND, M12, STAINLESS STEEL - M12 x LENGTH TO SUIT, HEX, STAINLESS	518082 518081 S STEEL 515467	175903 49429	22 44 22	 
	92 NUT - M16, H 91 NUT - M16, H	IEX, NYLOC, STAINLESS STEEL IEX, STAINLESS STEEL	515467	177122 179756	6 2	
	89 WASHER – F	ELEVILLE, M16, STAINLESS STEEL LAT ROUND, M16, STAINLESS STEEL - M16 x 40, HEX, STAINLESS STEEL	518082 518081 515467	157487 H39621 H38413	2 16 8	
	87 WASHER - F 86 WASHER - C	LAT ROUND, M12, GALV. CONICAL, M12, GALV.	518081 517278	177982 H39639	24 12	E
	84 BOLT & NUT	- M12 x 140, HEX, GALV. - M12 x 180, HEX, GALV. LAT ROUND, M16, GALV.	515466 515466 518081	46821 46888 177984	10 2 11	
	82 WASHER – C	ONICAL, M16, GALV. GQUARE, M16, 50x50, GALV.	517278 518081	H39647 H39257	11 8	
	79 BOLT & NUT	6, SIZE TO SUIT POLE, c/w 4 NUTS & WAS - M16 x 200, HEX, GALV.	515466	83725	4	
	77 WASHER – F	ZU, GALV. ELAT ROUND, M20, GALV. ONICAL, M20, GALV.	513951 518081 517278	H38853 177986 H39655	2 9 5	
	74 EYEBOLT - N	QUARE, M20, 75x75, GALV. M20 x 200, c/w 2 HEX NUTS, GALV.	518081 513653	H39231 H37881	84	F
	72 BOLT & NUT	120 x LENGTH TO SUIT POLE, c/w 2 HEX N - M20 x LENGTH TO SUIT POLE, HEX, GAL SPRING, M24, GALV. AS1111	· · ·	PURCHASE	1 2 8	
	70 WASHER – F	CONICAL, M24, GALV.	518081 517278	177981 H39663	25 5	
	67 WASHER – L	GUARE, M24, 75x75, GALV. .IP, M24, 114x75, GALV. - M24 x 65, HEX, GALV. AS1111	518081 518081	H39273 176912 PURCHASE	3 2 6	 
	65 BOLT & NUT	- M24 x 90, HEX GALV. AS1111 - M24 x 10, HEX GALV. AS1111 - M24 x LENGTH TO SUIT POLE, HEX, GAL	LV. 515465	PURCHASE	2 5	
	62 COACH SCRE	W – M6 x 40, HEX, GALV. W – M12 x 100, HEX, GALV. 3 x 40, GALV.		50591 H40484 50963	AS REQ. 7 AS REQ.	
	60 CHARACTER	TAGS – 50mm ALUMINIMUM, BLACK ON YE IGER HIGH VOLTAGE"	ELLOW 503117	PURCHASE H47012	AS REQ. 2	
	57 SADDLE - TO	nm HIGH IMPACT ABS (ABScon) O SUIT CABLE Omm, FULL, GALV.		PURCHASE PURCHASE PURCHASE	1 AS REQ. AS REQ.	
Ý	55 SADDLE - 10	00mm, FULL, GALV. 00mm, FULL, GALV. 0mm HIGH IMPACT ABS (ABScon)		PURCHASE PURCHASE PURCHASE	AS REQ. AS REQ.	
	52 CONDUIT - 10	0mm HEAVY DUTY ORANGE (BELOW GROU 00mm HIGH IMPACT ABS (ABScon)		PURCHASE PURCHASE	AS REQ. AS REQ.	
	50 COVER – UNI	00mm HEAVY DUTY ORANGE (BELOW GRO DERGROUND CABLE PROTECTION, 150mm V D - PVC, HIGH IMPACT, BLACK		PURCHASE 151084 157552	AS REQ. AS REQ. 3	
	48 CONTROL CA 47 CONDUCTOR	BLE – 12 CORE, 18m, EXTENSION – 35mm² (19/1.53) Cu, LDPE INSULATED, P		181674 H14578	3 AS REQ.	╡ <b>┝</b>
	45 CONDUCTOR	NDUCTOR THICK - CCT120 AI (7/4.75) - SINGLE CORE OF 95mm <sup>2</sup> ABC (SEE DG158 - 19/2.14 BLACK PVC INSULATED HD (70m		147421 67959 60111	AS REQ. AS REQ. AS REQ.	
	43 42 COVER - FOR	R CCT PARALLEL GROOVE CLAMP		144576	3	
	40 CLAMP – PA	RALLEL GROOVE, 2 BOLT, TO SUIT CCT RALLEL GROOVE, TO SUIT FEEDER CONDU RALLEL GROOVE, 2 BOLT, COPPER	CTOR & CCT 514099	144568	3 3 2	
	38 LUG KIT - FC   37 LUG - COMPI	DR 35mm² Cu LDPE INSULATED PVC SHEA RESSION, TINNED Cu, M10, FOR 35mm² Cu C	CONDUCTOR	H125260 SEE ITEM 38	1 3	
CATED × 1300 27. THE	35 LUG - COMPI	RESSION, TINNED Cu, M12, FOR 35mm <sup>2</sup> Cu C RESSION, BI-METALLIC, 2xM10 HOLES, FOR RESSION, TINNED Cu, M16, FOR 70mm <sup>2</sup> Cu C	R CCT120	SEE ITEM 38 176472 57877	3 15 2	
EGLASS 1061EA).	33 LUG - COMPI   32 LUG - COMPI	RESSION, BI-METALLIC, M12, FOR 95mm <sup>2</sup> A RESSION, TINNED Cu, M12, FOR 70mm <sup>2</sup> Cu C	L CONDUCTOR	58743 74831	3 19	
18. FOR	30 CONNECTOR	RESSION, BI-METALLIC, 95mm <sup>2</sup> AL TO 70m - Cu, COMPRESSION, 70mm <sup>2</sup> CONDUCTOR 1 -EEVE - TO SUIT Ø15 EARTH RODS		H107797 H31699	2 AS REQ. AS REQ.	
TO BE E USING	28 EARTH ROD 27 EARTH STUE	– 1800 x Ø15 COPPERCLAD STEEL CORED 3 – McKEOWN	520088	H31649 H31631 H108415	AS REQ. 2	
QUIRED LEANED TO IT	25 SURGE ARRE	- TINNED COPPER, FLAT, 50.8x6.3 ESTER - 9kV, 10kA, POLYMERIC DISTRIBUT	222406 TION TYPE	182110 111948 58750	2 3	
VERED IED LV	23 HANGER – CA	INK – SINGLE PHASE, 12kV, 630A ABLE CLAMP, SUSPENSION – TWISTED, 170x50x6, GALV.	151086	58750 H113472 176901	3 3 3	
5. ICALLY M 44).	21 TIE WIRE - P 20 SAG LINK - 1	REFORMED, INSULATED FOR CCT120 70kN (PLP PART No. CTSLEW-070-1)		144600 PURCHASE	8 3	<b>k</b>
BAR TO DED VIA TAILS.	18 STRAIN CLA	R STRAIN CLAMP MP – FOR CCT120 – STRAIN, FOR 11kV CCT		144543 144527 144550	3 3 3	
ABOVE E 4.6 - E POLE	16 INSULATOR 15 INSULATOR	– M16 x 145 STUD, FOR 11kV CCT – 22kV LONGROD		144330 145052 150375	8	
3000mm IINIMUM	13 CABINET – F	CONTROLER - (SUPPLIED WITH REGULATO IBREGLASS, FULTON INDUSTRIES AUST. P. OOTING FOR FIBREGLASS CABINET		PURCHASE FABRICATE	3 1 1	
E BENT	11REGULATOR10REGULATOR	UNIT – EATON COOPER POWER SYSTEMS MOUNTING FRAME	VR32, 200AMP 181618	176613 FABRICATE	3	
ICTUAL TON OF INIMUM	8 GAIN BLOCK	)x40x5 FLAT BAR, FOR CROSSARM - 150mm, ALUMINIUM - 100mm, ALUMINIUM	514385	H17738 146290	8 1 2	L
CABLE.	6 CROSSARM 3	- 100mm, ALUMINIUM 3 - WOOD, 2700x150x100 2 - WOOD, 3300x150x100	224230 224230	146274 H23761 H23020	2 1 1	
	4 CROSSARM 1 3b 11kV CCT TH	1 – WOOD, 2700x150x100 ROUGH TERMINATION (2–11CCT)	224230 174962	H23761	1	
AT THE SIGHT TO BE	2	GH TERMINATION (2-11) D, MIN 15.5m/12kN, CONCRETED MIN 2.8m II	513915 N GROUND	+	1	
SCA	ITEM AS S	DESCRIPTION SHOWN		o. STOCK CODE		
	IGNED D.C .WN D.C	DAFO STA	NDARD CONSTRU V POLE MOUNTED		OR	   M
APP	PROVED D.G E 17/0		ND MOUNTED CON	ITROL PAI		
DAT	IF CT		אוכדחווכדימיי ה	A 11		ı.
RDS PRO	IJELT PM02-0201	I0-1-3-1	DNSTRUCTION DET	AIL	AMD 5	