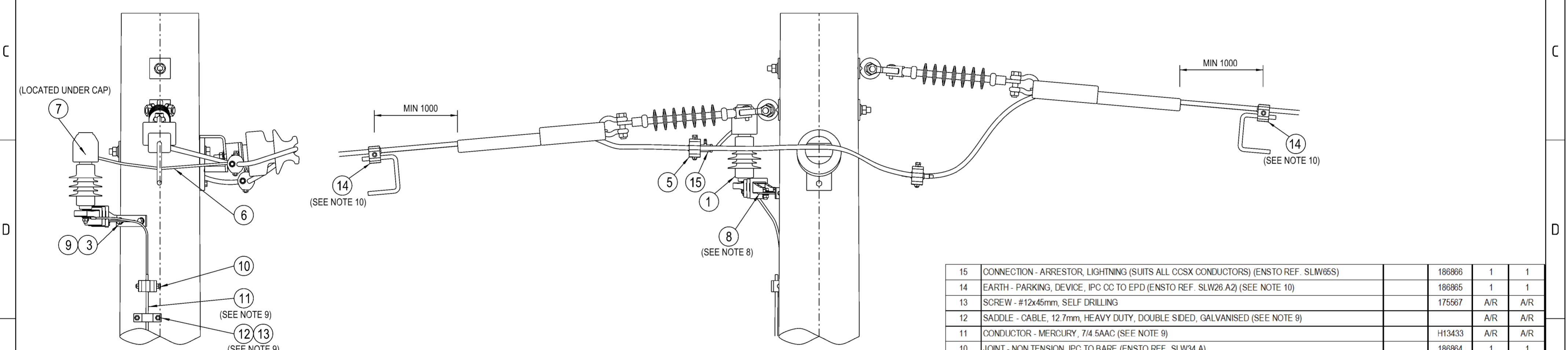


ARRANGEMENT 1  
11kV POLYMERIC SURGE ARRESTER  
TYPICAL CROSSARM INSTALLATION DETAILS



ARRANGEMENT 2  
11kV POLYMERIC SURGE ARRESTER  
TYPICAL TERMINATION POLE INSTALLATION DETAILS

- NOTES :**
1. ONLY USE SURGE ARRESTERS THAT ARE SPECIFIED AS COMPATIBLE WITH THE COVERED CONDUCTOR SYSTEM.
  2. POLE CONSTRUCTIONS SHOWN ARE INDICATIVE ONLY.
  3. 11kV POLYMERIC EARTHLEAD DISCONNECT SURGE ARRESTERS ARE TO BE USED AS SURGE PROTECTION ON ALL CCSX CONSTRUCTIONS.
  4. SURGE ARRESTERS ARE TO BE INSTALLED ON AN OVERHEAD CCSX CONDUCTOR SYSTEM AT THE INTERFACE TO AN ALTERNATE CONDUCTOR SYSTEM AND IN ACCORDANCE WITH THE REQUIREMENTS OF NS126.
  5. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
  6. TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM, IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
  7. CCSX CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CONDUCTOR STRIPPING TOOL.
  8. WHEN MOUNTING A SURGE ARRESTER 'T' MOUNTING BRACKET DIRECTLY TO A POLE, THE BRACKET IS TO BE FORMED TO SUIT THE RADIUS OF THE POLE.
  9. THE EARTH DOWN LEAD CABLE IS TO BE SECURED TO THE POLE AS REQUIRED USING DOUBLE SIDED GALVANISED STEEL SADDLES. REFER TO DRG: 508786 FOR STANDARD CONSTRUCTION TIMBER POLE STRUCTURE EARTHING ARRANGEMENT AND NS116 TABLE 1 FOR THE TARGET EARTHING IMPEDANCE.
  10. A CCSX EARTHING POINT IS TO BE INSTALLED WHERE REQUIRED FOR OPERATIONAL PURPOSES OR AT LOCATIONS SPECIFIED IN NS126. ONLY ONE SET OF EARTHING POINTS IS REQUIRED ON THESE ARRANGEMENTS. THE EARTHING POINTS CAN BE INSTALLED AT EITHER OF THE ALTERNATE LOCATIONS INDICATED.

15	CONNECTION - ARRESTOR, LIGHTNING (SUITS ALL CCSX CONDUCTORS) (ENSTO REF. SLW65S)		186866	1	1
14	EARTH - PARKING, DEVICE, IPC CC TO EPD (ENSTO REF. SLW26.A2) (SEE NOTE 10)		186865	1	1
13	SCREW - #12x45mm, SELF DRILLING		175567	A/R	A/R
12	SADDLE - CABLE, 12.7mm, HEAVY DUTY, DOUBLE SIDED, GALVANISED (SEE NOTE 9)			A/R	A/R
11	CONDUCTOR - MERCURY, 7/4.5AAC (SEE NOTE 9)		H13433	A/R	A/R
10	JOINT - NON TENSION, IPC TO BARE (ENSTO REF. SLW34.A)		186864	1	1
9	SCREW - COACH, M12x90mm, GALVANISED		50443		2
8	BRACKET - 'T' MOUNTING, 11kV POLYMERIC SURGE ARRESTER (SEE NOTE 8)	177944	180271	1	1
7	LUG - COMPRESSION, BI-METALLIC, TO SUIT 25mm <sup>2</sup> ALUMINIUM CONDUCTOR (M12 HOLE)		H117325	2	2
6	CONDUCTOR - CCSX, 25mm <sup>2</sup> , AMOKABEL		186862	0.5m	0.5m
5	JOINT - NON TENSION, IPC TO IPC (ENSTO REF. SLW26.A)		186863	1	1
4	WASHER - CONICAL, M12, GALVANISED	518082	H39639	2	
3	WASHER - FLAT, M12, GALVANISED	518081	177982	4	2
2	BOLT & NUT - M12x180mm, HEX., GALVANISED (USE ON 150mm CROSSARMS)	515466	46888	2	
	BOLT & NUT - M12x130mm, HEX., GALVANISED (USE ON 100mm CROSSARMS)		46805		
1	ARRESTOR - SURGE, 11kV, 10kA, POLYMERIC, EARTHLEAD DISCONNECT (CW ALUMINIUM EARTH LEAD)		150383	1	1
ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY	
				AR-1	AR-2

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE.

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS DWN: P.R. CHKD: P.J. APP'D: G.F. DATE: 25/09/2024 ITEM 15 ADDED. ITEM 12 AMENDED. 4	TIMBER POLE STRUCTURE EARTHING ARRANGEMENT TYPE SE-M5	508786	NETWORK STANDARD 145 NEWCASTLE RD WALLSEND. NSW 2287	SCALE 1:10 DESIGNED J.BROOKS DRAWN P.RIOS CHECKED P.JONES APPROVED G.FORD DATE 04/04/2024 PROJECT NUMBER STD PROJTRAK NUMBER -	STANDARD CONSTRUCTION 11kV CCSX CONDUCTOR SURGE ARRESTER ARRANGEMENTS	SIZE A2 DRAWING No 265905	SHEET 1 AMD 4
	ASSOCIATED DRAWINGS						