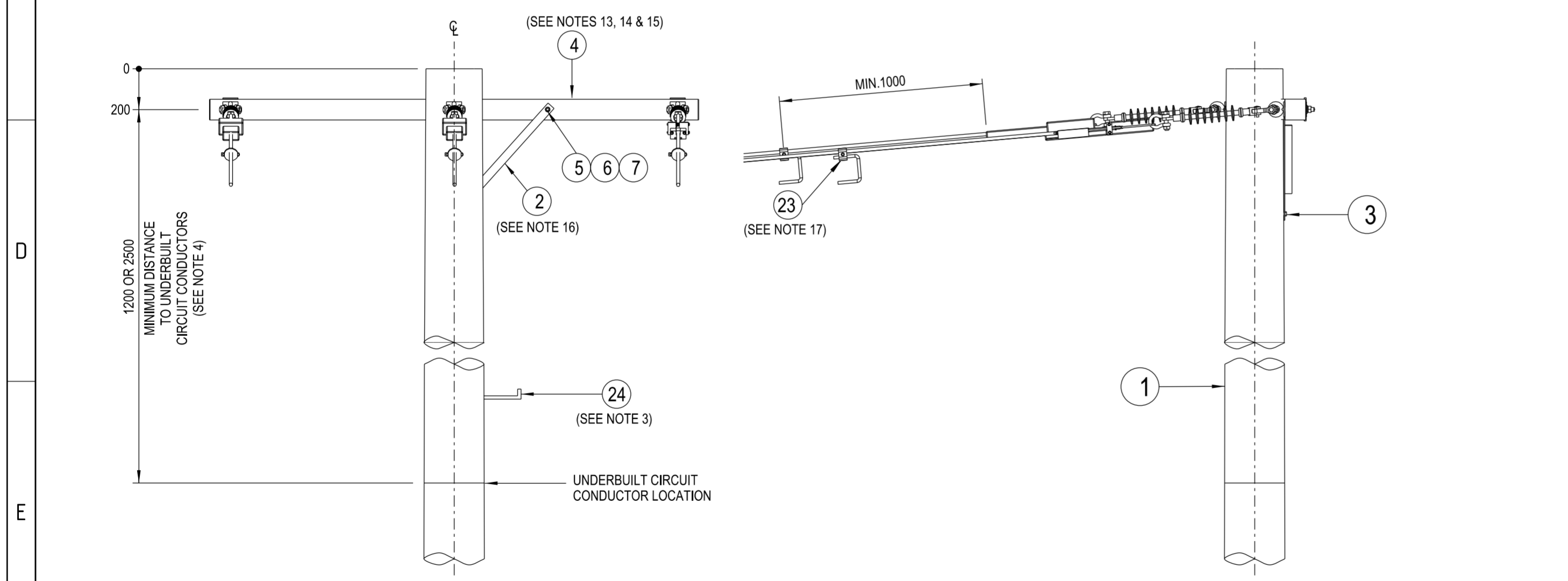


NOTES :

- THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS:
 - POLE LENGTH AND STRENGTH.
 - SPECIAL FOUNDATION REQUIREMENTS.
 - POLE EMBEDMENT DEPTH.
 - CONDUCTOR SIZE.
 - CROSSARM SIZE AND BRACE REQUIREMENTS.
 - STAY REQUIREMENTS.
 - DEVIATION ANGLE.
- THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
- POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
- IN AREAS WHERE THE 11kV NETWORK CANNOT BE WORKED ON USING LIVE LINE TECHNIQUES, UNDERBUILT CIRCUITS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 1200mm. IN AREAS WHERE THE 11kV NETWORK CAN BE WORKED ON USING LIVE LINE TECHNIQUES, UNDERBUILT CIRCUITS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 2500mm.
- ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
- THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
- LONGROD INSULATORS ARE TO BE USED UNDER NORMAL CONDITIONS.
- POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
- TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM, IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
- CCSX CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CONDUCTOR STRIPPING TOOL.
- SURGE ARRESTERS ARE TO BE INSTALLED ON AN OVERHEAD CCSX CONDUCTOR SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NS126. IF A SURGE ARRESTER IS TO BE INSTALLED ON THIS CONSTRUCTION, IT IS TO BE INSTALLED AS PER THE RELEVANT COVERED CONDUCTOR ARRANGEMENT SPECIFIED IN DRG: 265905.
- COVERS TO BE INSTALLED OVER ALL TERMINATION WEDGE CLAMPS/COMPRESSION DEADENDS. COVER SHOWN REMOVED ON ONE PHASE TO SHOW DETAIL OF TERMINATION MATERIAL.
- COMPOSITE FIBRE CROSSARMS ARE TO BE USED AS THE PREFERRED OPTION UNDER NORMAL CIRCUMSTANCES.
- A 2406mm COMPOSITE FIBRE CROSSARM IS TO BE USED AS THE DEFAULT CROSSARM. AN ALTERNATE CROSSARM MAY BE CONSIDERED TO OVERCOME DESIGN AND SITE REQUIREMENTS. A STEEL CROSSARM IS TO BE USED WHEN THE MAXIMUM LOAD OF THE ALTERNATE CROSSARMS IS EXCEEDED.
- ONLY THE 2406mm COMPOSITE FIBRE CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRGS: 262732, 514373, 15232, 514377 & 237491 FOR DRILLING PATTERN OF ALTERNATE CROSSARMS.
- THE 690mm CROSSARM BRACES ARE TO BE USED ON A 2706mm, 2700mm, 3006mm, 2400mm, 2750mm & 3070mm CROSSARM.
- A CCSX EARTHING POINT IS TO BE INSTALLED WHERE REQUIRED FOR OPERATIONAL PURPOSES OR AT LOCATIONS SPECIFIED IN NS126.
- REFER TO DESIGNER SAFETY REPORT D24/82373 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.



24	STEP - POLE, SCREW-IN (SEE NOTE 3)	250144	185198	A/R
23	EARTH - PARKING, DEVICE, IFC CC TO EPD (ENSTO REF. SLW26 A2) (SEE NOTE 17)		186865	3
22	CAP - CONDUCTOR (ENSTO REF. CSEC1.2) (TO BE USED FOR CCSX159)		186886	3
21	COVER - TERMINATION (ENSTO REF. SP67.3) (TO BE USED FOR CCSX159) (SET OF 3) (SEE NOTE 12)		186871	1
	COVER - TERMINATION (ENSTO REF. SP63.3) (TO BE USED FOR CCSX62) (SET OF 3) (SEE NOTE 12)		186872	
20	CLAMP - TERMINATION, WEDGE (ENSTO REF. SO256.2S) (TO BE USED FOR CCSX159)		186867	3
	CLAMP - TERMINATION, WEDGE (ENSTO REF. SO256.2S) (TO BE USED FOR CCSX62)		186868	
19	DEADEND - COMPRESSION (ENSTO REF. CDE 25) (INCLUDES COLD SHRINK COVER) (TO BE USED FOR CCSX25)		186870	
18	SHACKLE - BOW, 70kN, REF. 70/S, A.S. 1154.2		30890	3
17	INSULATOR - LONGROD, 11/22kV, POLYMERIC, 70kN (CLEVIS/TONGUE) (SEE NOTE 7)		150375	3
16	TONGUE - 'Y' CLEVIS, 70kN, A.S. 1154.2 (PLP PART No.: CTY-070-1)			3
15	BLOCK - GAIN, ALUMINIUM, 125mm (USE WITH 2750mm & 3070mm CROSSARMS)		146282	1
14	BLOCK - GAIN, ALUMINIUM, 100mm (USE WITH 2406mm, 2706mm, 3006mm, 2400mm, 2700mm & 3000mm CROSSARMS)		146274	
13	WASHER - FLAT, M20, GALVANISED (USE WITH 2400mm & 2700mm CROSSARMS)	518081	177986	2
12	WASHER - FLAT, M20, GALVANISED	518081	177986	1
11	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE) (USE WITH 2750mm & 3070mm CROSSARMS)	518081	H39231	2
10	WASHER - LIP, M24, GALVANISED (USE WITH 2406mm, 2706mm, 3006mm, 2400mm, 2700mm & 3000mm CROSSARMS)	518081	176912	2
9	EYEBOLT - M20x200mm, GALVANISED (SEE NOTE 6)	513653	H37881	2
8	WASHER - CONICAL, M20, GALVANISED (USE WITH 2400mm & 2700mm CROSSARMS)	518082	H39655	2
7	WASHER - SPRING, M20, GALVANISED (USE WITH 2406mm, 2706mm, 3006mm, 3000mm, 2750mm & 3070mm CROSSARMS)	518082	175569	2
6	WASHER - CONICAL, M20, GALVANISED	518082	H39655	1
5	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	4
4	EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE) (SEE NOTE 6)	513653		1
3	WASHER - CONICAL, M12, GALVANISED (USE WITH 2700mm CROSSARM)	518082	H39639	1
2	WASHER - CONICAL, M12, GALVANISED (USE WITH 2400mm CROSSARM)	518082	H39639	1
1	WASHER - SPRING, M12, GALVANISED (USE WITH 2706mm, 3006mm, 3000mm, 2750mm & 3070mm CROSSARMS)	518082	H12047	2
	WASHER - SPRING, M12, GALVANISED (USE WITH 2406mm CROSSARM)	518082	H12047	1
	WASHER - FLAT, M12, GALVANISED (USE WITH 2706mm, 2700mm, 3006mm, 3000mm, 2750mm & 3070mm CROSSARMS)	518081	177982	4
	WASHER - FLAT, M12, GALVANISED (USE WITH 2406mm & 2400mm CROSSARMS)	518081	177982	2
	BOLT & NUT - M12x150mm, HEX, GALVANISED (USE WITH 2750mm & 3070mm CROSSARMS)	515466	46847	2
	BOLT & NUT - M12x180mm, HEX, GALVANISED (USE WITH 2700mm & 3000mm CROSSARMS)	515466	46888	2
	BOLT & NUT - M12x150mm, HEX, GALVANISED (USE WITH 2400mm CROSSARM)	515466	46847	1
	BOLT & NUT - M12x130mm, HEX, GALVANISED (USE WITH 2706mm & 3006mm CROSSARMS)	515466	46805	2
	BOLT & NUT - M12x130mm, HEX, GALVANISED (USE WITH 2406mm CROSSARM)	515466	46805	1
	CROSSARM - 3070x125x125mm, ITEM 3, COMPOSITE FIBRE (SEE NOTES 13, 14 & 15)	237491	183935	
	CROSSARM - 2750x125x125mm, ITEM 1, COMPOSITE FIBRE (SEE NOTES 13, 14 & 15)	237491	183933	
	CROSSARM - 3000x150x100x5mm, RHS, GALVANISED (SEE NOTES 13, 14 & 15)	514377	H23787	
	CROSSARM - 2700x150x100mm, TYPE C, HARDWOOD (SEE NOTES 13, 14 & 15)	514373	H23907	
	CROSSARM - 2400x125x100mm, TYPE H2, HARDWOOD (SEE NOTES 13, 14 & 15)	15232	71910	1
	CROSSARM - 3006x102x102mm, TYPE 13, COMPOSITE FIBRE (SEE NOTES 13, 14 & 15)	262732	186783	
	CROSSARM - 2706x102x102mm, TYPE 12, COMPOSITE FIBRE (SEE NOTES 13, 14 & 15)	262732	186782	
	CROSSARM - 2406x102x102mm, TYPE 11, COMPOSITE FIBRE (SEE NOTES 13, 14 & 15)	262732	186781	
	SCREW - COACH, M12 x 100mm, GALVANISED		H40484	1
	BRACE - CROSSARM, ANGLE, TYPE H, 740mm, GALVANISED (SEE NOTE 16)	46	99119	1
	BRACE - CROSSARM, FLAT, 690mm, GALVANISED (SEE NOTE 16)	514385	H17738	2
	POLE - TIMBER (AS REQUIRED)	513988		1
ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY

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

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS DWN: P.R. CHKD: P.J. APPD: G.F. DATE: 09/05/2024 ITEM 23 ADDED. MATERIAL LIST & NOTES AMENDED.	11kV CCSX CONDUCTOR SURGE ARRESTER ARRANGEMENTS	265905
	2700mm CROSSARMS FOR LV, 11kV, 22kV AND 33kV CONSTRUCTION DETAILS	514373
	COMPOSITE FIBRE CROSSARMS SPECIFICATION	262732
	HV TERMINATION STEEL CROSSARM CONSTRUCTION DETAILS	514377
	WOODEN CROSSARMS FOR 11kV LINES	15232
	20mm EYEBOLT LOADING & DEVIATION GRAPH	520324
ASSOCIATED DRAWINGS		

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION 11kV TERMINATION CONSTRUCTION 2-10CCSX
DESIGNED	J.BROOKS	
DRAWN	P.RIOS	
CHECKED	P.JONES	
APPROVED	G.FORD	
DATE	28/03/2024	
PROJECT NUMBER	STD	
PROJTRAK NUMBER	-	
SIZE	A2	DRAWING No
		265889
SHEET	1	AMD
		1