



- NOTES :**
1. THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS:
 - a. POLE LENGTH AND STRENGTH.
 - b. SPECIAL FOUNDATION REQUIREMENTS.
 - c. POLE EMBEDMENT DEPTH.
 - d. CONDUCTOR SIZE.
 - e. STAY REQUIREMENTS.
 - f. DEVIATION ANGLE.
 2. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
 3. 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.
 4. ALL BOLTS AND EYEBOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
 5. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
 6. LONGROD INSULATORS ARE TO BE USED UNDER NORMAL CONDITIONS.
 7. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
 8. EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS.
 9. LINE POST INSULATORS ARE TO BE FITTED WHERE LINE DEVIATION IS LESS THAN 90°.
 10. CCSX CONDUCTOR INSULATION SHALL ONLY BE REMOVED BY THE USE OF AN APPROVED CONDUCTOR STRIPPING TOOL.
 11. IPC'S ARE TO BE USED TO JOIN CONDUCTORS.
 12. 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. SURGE ARRESTERS ARE TO BE INSTALLED ON THIS CONSTRUCTION AS PER THE TYPICAL POLE INSTALLATION ARRANGEMENT 2 SPECIFIED IN DRAWING 265905.
 13. COVERS TO BE INSTALLED OVER ALL TERMINATION WEDGE CLAMPS. DETAIL OF CLAMPS SHOWN FOR CLARITY.
 14. REFER TO DESIGNER SAFETY REPORT D24/84322 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
20	STEP - POLE, SCREW-IN (SEE NOTE 2)	250144	185198	A/R
19	ARRESTER - SURGE, 11kV, CCSX, ARRANGEMENT 2 (SEE NOTE 12)	265905		3
18	JOINT - NON TENSION, IPC TO BARE (ENSTO REF. SLW34.A) (SEE NOTE 11)		186864	3
17	CAP - CONDUCTOR (ENSTO REF. CSEC1.2) (TO BE USED FOR CCSX159)		186887	3
	CAP - CONDUCTOR (ENSTO REF. CSEC1.1) (TO BE USED FOR CCSX25 & CCSX62)		186886	
16	COVER - TERMINATION (ENSTO REF. SP67.3) (TO BE USED FOR CCSX159) (SET OF 3) (SEE NOTE 13)		186871	1
	COVER - TERMINATION (ENSTO REF. SP63.3) (TO BE USED FOR CCSX62) (SET OF 3) (SEE NOTE 13)		186872	
15	CLAMP - TERMINATION, WEDGE (ENSTO REF. SO256.2S) (TO BE USED FOR CCSX159)		186867	3
	CLAMP - TERMINATION, WEDGE (ENSTO REF. SO255.2S) (TO BE USED FOR CCSX62)		186868	
	DEADEND - COMPRESSION (ENSTO REF. CDE 25) (INCLUDES COLDSHRINK COVER) (TO BE USED FOR CCSX25)		186870	
14	SHACKLE - BOW, 70kN, REF. 70/S, A.S.1154.2		30890	3
13	INSULATOR - LONGROD, 11/22kV, POLYMERIC, 70kN (CLEVIS/TONGUE) (SEE NOTE 6)		150375	3
12	TONGUE - 'Y' CLEVIS, 70kN, A.S. 1154.2 (PLP PART No.: CTY-070-1)			3
11	INSULATOR - 11/22kV LONGROD, STRING ARRANGEMENT AR-2 (SEE NOTE 6)	565715		3
10	WIRE - TIE, PREFORMED, INSULATED, FOR CCSX159 (SET OF 6) (ENSTO REF. SO216.157)		186874	1
	WIRE - TIE, PREFORMED, INSULATED, FOR CCSX62 (SET OF 6) (ENSTO REF. SO216.62)		186875	
	WIRE - TIE, PREFORMED, INSULATED, FOR CCSX25 (SET OF 6) (ENSTO REF. SO216.25)		186876	
9	INSULATOR - PIN POST, SHORT STUD (SEE NOTE 9)		144584	3
8	BRACKET - INSULATOR, GALVANISED (SEE NOTE 9)		144626	3
7	SCREW - COACH, M16x130mm, GALVANISED		50401	3
6	BOLT & NUT - M20, HEX, GALVANISED (LENGTH TO SUIT POLE)	515466		3
5	WASHER - FLAT, M20, GALVANISED	518081	177986	9
4	WASHER - CONICAL, M20, GALVANISED	518082	H39655	9
3	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	15
2	EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE) (SEE NOTES 5 & 8)	513653		6
1	POLE - TIMBER (AS REQUIRED)	513988		1

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: 21/05/2024 MATERIAL LIST AMENDED.	DWN: P.R.	CHKD: check_by	APPD: approve	DATE: date PIN POST INSULATORS UPDATED.

DESCRIPTION	ITEM NO
11kV CCSX CONDUCTOR SURGE ARRESTER ARRANGEMENTS	265905
20mm EYEBOLT LOADING & DEVIATION GRAPH	520324

NETWORK STANDARD

 145 NEWCASTLE RD WALLSEND,
 NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION 11kV CCSX TO BARE CONDUCTOR VERTICAL TERMINATION CONSTRUCTION 2-4140CCSX	SIZE	A2	DRAWING No	265900	SHEET	1	AMD	2
DESIGNED	J.BROOKS		PROJECT NUMBER	STD	PROJTRAK NUMBER	-				
DRAWN	P.RIOS									
CHECKED	P.JONES									
APPROVED	G.FORD									
DATE	04/04/2024									