



- NOTES :**
- THE FOLLOWING INFORMATION IS OBTAINED FROM THE PROJECT DESIGN DRAWINGS:
    - POLE LENGTH AND STRENGTH.
    - SPECIAL FOUNDATION REQUIREMENTS.
    - POLE EMBEDMENT DEPTH.
    - CONDUCTOR SIZE.
    - STAY REQUIREMENTS.
    - DEVIATION ANGLE.
  - 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 EYEBOLTS 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.
  - EYEBOLTS ARE TO BE INSTALLED IN THE DIRECTION OF THE OVERHEAD CONDUCTORS.
  - LINE POST INSULATORS ARE TO BE FITTED WHERE LINE DEVIATION IS LESS THAN 90°.
  - 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.
  - TERMINATION TO BE CONSTRUCTED WITHOUT CONDUCTOR JOINTS WHERE POSSIBLE. IPC'S ARE TO BE USED TO JOIN CONDUCTORS WHERE REQUIRED.
  - 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.
  - 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 THIS CONSTRUCTION. THE EARTHING POINTS CAN BE INSTALLED AT EITHER OF THE ALTERNATE LOCATIONS INDICATED.
  - REFER TO DESIGNER SAFETY REPORT D24/83315 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
19	STEP - POLE, SCREW-IN (SEE NOTE 2)	250144	185198	A/R
18	EARTH - PARKING, DEVICE, IPC CC TO EPD (ENSTO REF. SLW26 A2) (SEE NOTE 15)		186865	3
17	JOINT - NON TENSION, IPC TO IPC (ENSTO REF. SLW26 A) (SEE NOTE 12)		186863	3
16	CAP - CONDUCTOR (ENSTO REF. CSEC1.2) (TO BE USED FOR CCSX159)		186887	6
	CAP - CONDUCTOR (ENSTO REF. CSEC1.1) (TO BE USED FOR CCSX25 & CCSX62)		186886	
15	COVER - TERMINATION (ENSTO REF. SP67.3) (TO BE USED FOR CCSX159) (SET OF 3) (SEE NOTE 14)		186871	2
	COVER - TERMINATION (ENSTO REF. SP63.3) (TO BE USED FOR CCSX62) (SET OF 3) (SEE NOTE 14)		186872	
14	CLAMP - TERMINATION, WEDGE (ENSTO REF. SO256.2S) (TO BE USED FOR CCSX159)		186867	
	CLAMP - TERMINATION, WEDGE (ENSTO REF. SO255.2S) (TO BE USED FOR CCSX62)		186868	6
	DEADEND - COMPRESSION (ENSTO REF. CDE 25) (INCLUDES COLDSHRINK COVER) (TO BE USED FOR CCSX25)		186870	
13	SHACKLE - BOW, 70kN, REF. 70/S, A.S. 1154.2		30890	6
12	INSULATOR - LONGROD, 11/22kV, POLYMERIC, 70kN (CLEVIS/TONGUE) (SEE NOTE 8)		150375	6
11	TONGUE - 'Y' CLEVIS, 70kN, A.S. 1154.2 (PLP PART No.: CTY-070-1)			6
10	WIRE - TIE, PREFORMED, INSULATED, FOR CCSX159 (SET OF 6) (ENSTO REF. SO216.157)		186874	
	WIRE - TIE, PREFORMED, INSULATED, FOR CCSX62 (SET OF 6) (ENSTO REF. SO216.62)		186875	1
	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)	515486		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: 09/05/2024 ITEM 18 ADDED. MATERIAL LIST & NOTES AMENDED.	DWN: P.R. CHKD: P.J. APPD: G.F. DATE: 21/05/2024 PIN POST INSULATORS UPDATED.	11kV CCSX CONDUCTOR SURGE ARRESTER ARRANGEMENTS	265905	NETWORK STANDARD  145 NEWCASTLE RD WALLSEND. NSW 2287	SCALE	1:20	STANDARD CONSTRUCTION 11kV VERTICAL TERMINATION CONSTRUCTION 2-140CCSX	SIZE <b>A2</b>	DRAWING No <b>265893</b>	SHEET <b>1</b>	AMD <b>2</b>	
		20mm EYEBOLT LOADING & DEVIATION GRAPH	520324		DESIGNED	J.BROOKS						
ASSOCIATED DRAWINGS		CHECKED	P.JONES	APPROVED	G.FORD	DATE						28/03/2024
		PROJECT NUMBER	STD	PROJTRAK NUMBER	-							

20110901