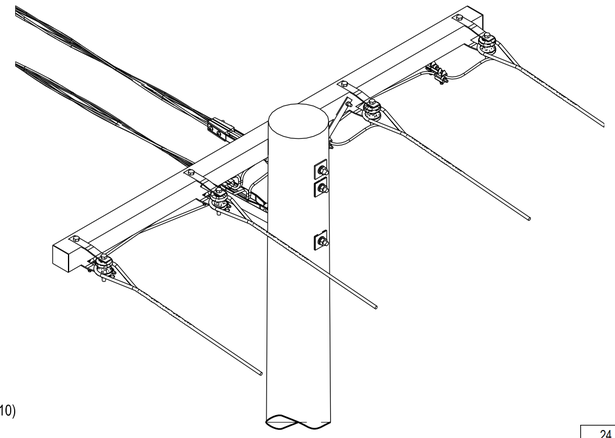

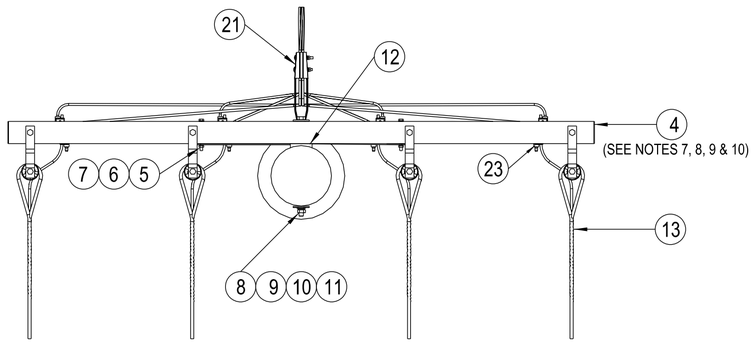

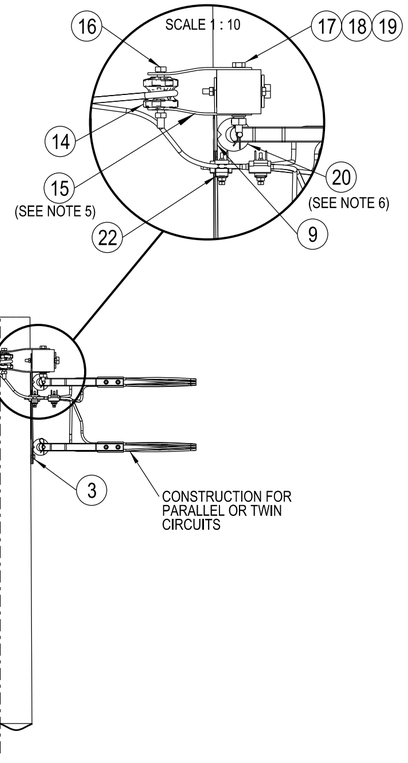

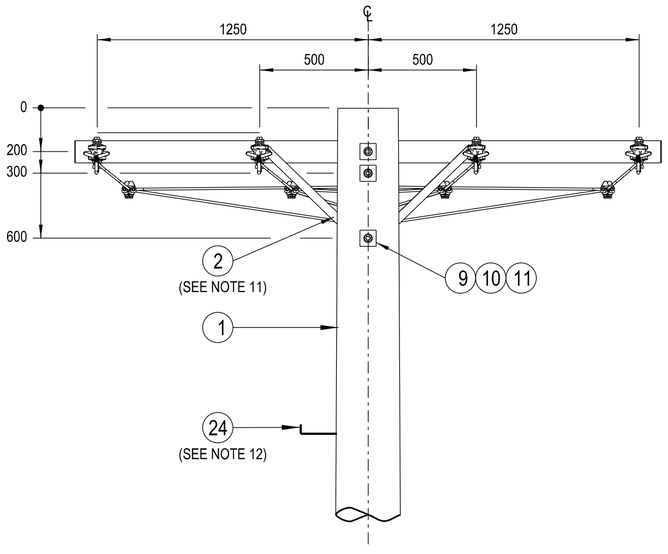

NOTES :

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. CROSSARM SIZE AND BRACE REQUIREMENTS.
   f. STAY REQUIREMENTS.
   g. DEVIATION ANGLE.
2. THE MAXIMUM LINE DEVIATION ANGLE TO BE CONSTRUCTED ON THIS ARRANGEMENT IS TO BE DETERMINED BY THE LINE DESIGNER.
3. ALL BOLTS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
4. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
5. THE SHACKLE STRAP IS TO BE FORMED TO SUIT THE CROSSARM AND INSULATOR.
6. THE LOAD AND DEVIATION ALLOWABLE ON THE EYEBOLT IS TO BE DETERMINED FROM DRG: 520324.
7. COMPOSITE FIBRE CROSSARMS ARE TO BE USED AS THE PREFERED OPTION UNDER NORMAL CIRCUMSTANCES.
8. WHEN EXTENDING LV ABC FROM EXISTING LV OPEN WIRE CONDUCTORS, THE EXISTING CROSSARM MAY BE USED.
9. A 2706mm COMPOSITE FIBRE CROSSARM IS TO BE USED AS THE DEFAULT CROSSARM. FOR NARROW FEEDER ALIGNMENTS, A SHORTER CROSSARM MAY BE CONSIDERED TO OVERCOME DESIGN AND SITE CONSTRAINTS.
10. ONLY THE 2706mm COMPOSITE FIBRE CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRGS: 262732, 514373, 514374, 15233 & 237491 FOR DRILLING PATTERN OF ALTERNATE CROSSARMS.
11. THE 690mm CROSSARM BRACES ARE TO BE USED ON A 2706mm, 2106mm, 2700mm, 2100mm & 2750mm CROSSARM. THE 490mm CROSSARM BRACES ARE TO BE USED ON A 2406mm & 2400mm CROSSARM.
12. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
13. REFER TO DESIGNER SAFETY REPORT D22/200945 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QUANTITY SINGLE CABLE	QUANTITY PARALLEL CABLE
24	STEP - POLE, SCREW-IN (SEE NOTE 12)	250144	185198	A/R	A/R
23	CAP - END, PUSH ON (TO SUIT 25mm² LV ABC)		H109447	4	8
	CAP - END, PUSH ON (TO SUIT 95mm² & 150mm² LV ABC)		H77222		
22	CONNECTOR - BI-METALLIC, SERVICE TAKE OFF, 25mm² (COPPER MAINS)		H109694	4	8
	CONNECTOR - ALUMINIUM, SERVICE TAKE OFF, 25mm² (ALUMINIUM MAINS)		H109678		
	CONNECTOR - PRE-INSULATED TAP, 95-150mm² (COPPER MAINS)		148387		
	CONNECTOR - INSULATION PIERCING, 95-150mm² (ALUMINIUM MAINS)		73569		
21	CLAMP - TERMINATION (TO SUIT 2x25mm² OR 4x25mm² LV ABC)		H113464	1	2
	CLAMP - TERMINATION (TO SUIT 2x95mm² OR 4x95mm² LV ABC)		176651		
	CLAMP - TERMINATION (TO SUIT 4x150mm² LV ABC)		176652		
20	EYEBOLT - M20, GALVANISED (LENGTH TO SUIT POLE) (SEE NOTE 6)	513653		1	2
19	WASHER - CONICAL, M16, GALVANISED (USE WITH 2700mm, 2100mm & 2400mm CROSSARMS)	518082	H39647	4	4
	WASHER - SPRING, M16, GALVANISED (USE WITH 2706mm, 2406mm, 2106mm & 2750mm CROSSARMS)				
18	WASHER - FLAT, M16, GALVANISED	518081	177984	4	4
17	BOLT & NUT - M16x160mm, HEX., GALVANISED (USE WITH 2750mm CROSSARM)	515466	47043	4	4
	BOLT & NUT - M16x150mm, HEX., GALVANISED (USE WITH 2706mm, 2406mm, 2106mm, 2700mm, 2100mm & 2400mm CROSSARMS)	515466	175672		
16	BOLT & NUT - M16x130mm, HEX., GALVANISED	515466	46979	4	4
15	BRACKET - MOUNTING, SHACKLE, LV FLAT, GALVANISED (SEE NOTE 5)	514379	H17762	8	8
14	INSULATOR - SHACKLE, REEL, TYPE SH.LV2	514407	75812	4	4
13	DEADEND - PREFORMED, HELICAL (TO SUIT CONDUCTOR)	514098		4	4
12	BLOCK - GAIN, ALUMINIUM, 125mm (USE WITH 2750mm CROSSARM)		146282	1	1
	BLOCK - GAIN, ALUMINIUM, 100mm (USE WITH 2706mm, 2406mm, 2106mm, 2700mm, 2100mm & 2400mm CROSSARMS)		146274		
11	WASHER - FLAT, M20, GALVANISED	518081	177986	2	3
10	WASHER - CONICAL, M20, GALVANISED	518082	H39655	2	3
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	4	6
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		1	1
7	WASHER - CONICAL, M12, GALVANISED (USE WITH 2700mm, 2400mm & 2100mm CROSSARMS)	518082	H39639	2	2
	WASHER - SPRING, M12, GALVANISED (USE WITH 2706mm, 2406mm & 2106mm CROSSARMS)	518082	H12047		
6	WASHER - FLAT, M12, GALVANISED	518081	177982	4	4
5	BOLT & NUT - M12x150mm, HEX., GALVANISED (USE WITH 2400mm & 2750mm CROSSARMS)	515466	46847	2	2
	BOLT & NUT - M12x180mm, HEX., GALVANISED (USE WITH 2700mm & 2100mm CROSSARMS)	515466	46888		
	BOLT & NUT - M12x130mm, HEX., GALVANISED (USE WITH 2706mm, 2406mm & 2106mm CROSSARMS)	515466	46805		
4	CROSSARM - 2750x125x125mm, ITEM 1, COMPOSITE FIBRE (SEE NOTES 7, 8, 9 & 10)	237491	183933	1	1
	CROSSARM - 2400x125x100mm, TYPE LT3, HARDWOOD (SEE NOTES 7, 8, 9 & 10)	15233	71746		
	CROSSARM - 2100x150x100mm, TYPE I, HARDWOOD (SEE NOTES 7, 8, 9 & 10)	514374	H23745		
	CROSSARM - 2700x150x100mm, TYPE E, HARDWOOD (SEE NOTES 7, 8, 9 & 10)	514373	H23892		
	CROSSARM - 2106x102x102mm, TYPE 4, COMPOSITE FIBRE (SEE NOTES 7, 8, 9 & 10)	262732	186774		
	CROSSARM - 2406x102x102mm, TYPE 5, COMPOSITE FIBRE (SEE NOTES 7, 8, 9 & 10)	262732	186775		
	CROSSARM - 2706x102x102mm, TYPE 6, COMPOSITE FIBRE (SEE NOTES 7, 8, 9 & 10)	262732	186776		
3	SCREW - COACH, M12 x 100mm, GALVANISED		H40484	1	1
2	BRACE - CROSSARM, FLAT, TYPE L, 490mm, GALVANISED (SEE NOTE 11)	46	76745	2	2
	BRACE - CROSSARM, FLAT, 690mm, GALVANISED (SEE NOTE 11)	514385	H17738		
1	POLE - TIMBER (AS REQUIRED)	513988		1	1

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: 08/12/2023
NOTES & MATERIAL LIST AMENDED, ASSOCIATED DRAWING ADDED.
14

ASSOCIATED DRAWINGS	
COMPOSITE FIBRE CROSSARM MECHANICAL LOAD REQUIREMENTS	237491
2700mm CROSSARMS FOR LV, 11kV, 22kV AND 33kV CONSTRUCTION DETAILS	514373
COMPOSITE FIBRE CROSSARMS SPECIFICATION	262732
20mm EYEBOLT LOADING & DEVIATION GRAPH	520324
WOODEN CROSSARMS FOR 415V OVERHEAD MAINS	15233
WOODEN CROSSARMS FOR LV, 11kV & 33kV CONSTRUCTION DETAILS	514374

NETWORK STANDARD
Ausgrid

145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:20
DESIGNED	-
DRAWN	P.K
CHECKED	D.R.G
APPROVED	I.NICHOLS
DATE	24/02/1994
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION
LV OPEN WIRE TO ABC
THROUGH TERMINATION CONSTRUCTION
1-72

SIZE A2 | DRAWING No 513983 | SHEET 1 | AMD 14

20110901

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