

A

B

C

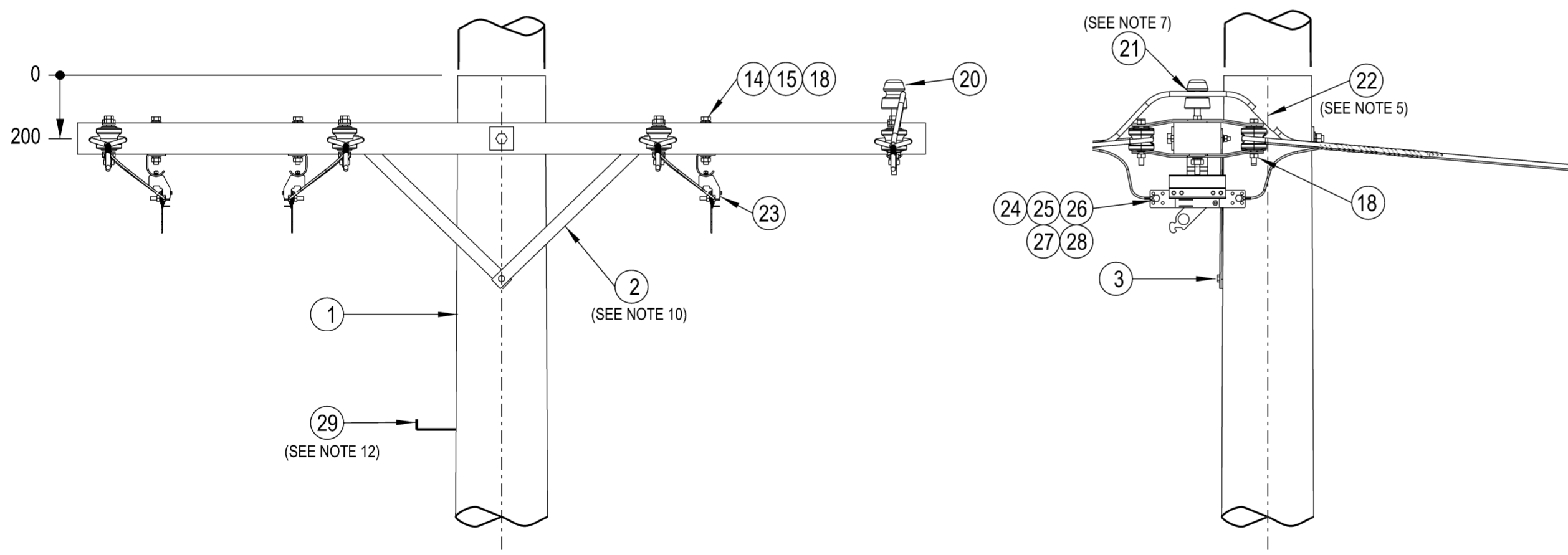
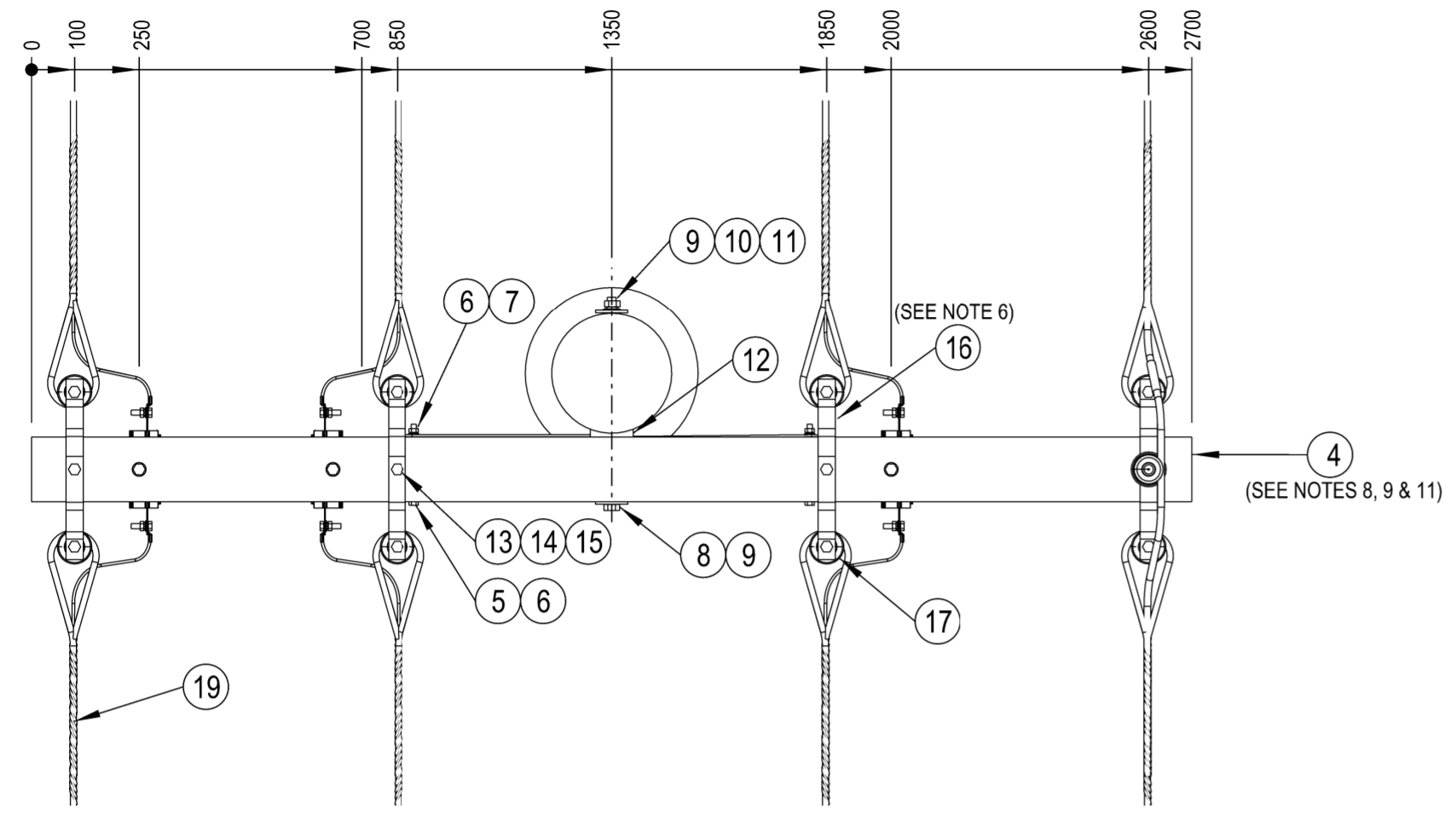
D

E

F

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 AND INSULATOR PINS 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. NON-TENSION COMPRESSION SLEEVES TO BE USED WHEN REQUIRED TO JOIN CONDUCTORS.
6. THE SHACKLE STRAP IS TO BE FORMED TO SUIT THE CROSSARM AND INSULATOR.
7. IF THE CONDUCTOR DEVIATES AT THE INSULATOR, USE THE ANGLE TYPE CONDUCTOR TIE ARRANGEMENT. OTHERWISE, USE THE INTERMEDIATE TYPE CONDUCTOR TIE ARRANGEMENT AS SHOWN ON DRG: 514044.
8. A 2700mm CROSSARM IS TO BE USED AS THE DEFAULT CROSSARM. FOR NARROW FEEDER ALIGNMENTS, A 2400mm CROSSARM MAY BE CONSIDERED TO OVERCOME DESIGN AND SITE CONSTRAINTS. A 2750mm COMPOSITE FIBRE CROSSARM IS TO BE USED WHEN THE MAXIMUM LOAD OF A TIMBER CROSSARM IS EXCEEDED.
9. ONLY THE 2700mm CROSSARM OPTION IS SHOWN ON THIS CONSTRUCTION DRAWING. REFER TO DRG: 15233 FOR DRILLING PATTERN OF 2400mm CROSSARM. ADDITIONAL Ø18mm HOLES WILL BE REQUIRED TO BE DRILLED IN THE TOP OF THE CROSSARM 150mm FROM THE PHASE CONDUCTOR ATTACHMENT LOCATIONS TO MOUNT THE ISOLATING LINKS. REFER TO DRG: 237491 FOR DRILLING PATTERN OF 2750mm CROSSARM. ISOLATING LINKS TO BE MOUNTED ON CROSSARM USING COMPOSITE CROSSARM SUPPORT BRACKET ASSEMBLY SHOWN ON DRG: 235150.
10. THE 690mm CROSSARM BRACES ARE TO BE USED ON A 2700mm AND 2750mm CROSSARM. THE 490mm CROSSARM BRACES ARE TO BE USED ON A 2400mm CROSSARM.
11. IN SITUATIONS WHERE TWO LV PARALLEL CIRCUITS TERMINATE ON THIS CONSTRUCTION, THE ISOLATING LINKS ARE TO BE MOUNTED ON THE BOTTOM CROSSARM.
12. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
13. REFER TO DESIGNER SAFETY REPORT D22/200939 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.



ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
29	STEP - POLE, SCREW-IN (SEE NOTE 12)	250144	185198	A/R
28	NUT - M12, HEX., STAINLESS STEEL	515467	8987	6
27	WASHER - SPRING, M12, STAINLESS STEEL	518082	143859	6
26	WASHER - FLAT, M12, STAINLESS STEEL	518081	49429	12
25	BOLT - M12x40mm, HEX., STAINLESS STEEL	515467	45146	6
24	LUG - M12, COMPRESSION (TO SUIT CONDUCTOR)	514053		6
23	LINK - ISOLATING, 600V, 400AMP		61291	3
22	JOINT - NON TENSION, COMPRESSION (TO SUIT CONDUCTOR) (SEE NOTE 5)	514053		1
21	TIE - CONDUCTOR, LOW VOLTAGE, SUPPORT ARRANGEMENT (SEE NOTE 7)	514044		1m
20	INSULATOR - LV, (LPLV PATTERN 'B') & PIN ARRANGEMENT	513995		1
19	DEADEND - PREFORMED, HELICAL (TO SUIT CONDUCTOR)	514098		8
18	BOLT & NUT - M16x130mm, HEX., GALVANISED	515466	46979	11
17	INSULATOR - SHACKLE, REEL, TYPE SH.LV2	514407	75812	8
16	BRACKET - MOUNTING, SHACKLE, LV FLAT, GALVANISED (SEE NOTE 6)	514379	H17762	16
15	WASHER - FLAT, M16, GALVANISED	518081	177984	9
14	WASHER - SPRING, M16, GALVANISED (USE WITH 2750mm CROSSARM)			6
	WASHER - CONICAL, M16, GALVANISED (USE WITH 2400mm & 2700mm CROSSARMS)	518082	H39647	
13	BOLT & NUT - M16x160mm, HEX., GALVANISED (USE WITH 2750mm CROSSARM)	515466	47043	3
	BOLT & NUT - M16x150mm, HEX., GALVANISED (USE WITH 2400mm & 2700mm CROSSARMS)	515466	175672	
12	BLOCK - GAIN, ALUMINIUM, 125mm (USE WITH 2750mm CROSSARM)		146282	1
	BLOCK - GAIN, ALUMINIUM, 100mm (USE WITH 2400mm & 2700mm CROSSARMS)		146274	
11	WASHER - FLAT, M20, GALVANISED	518081	177986	1
10	WASHER - CONICAL, M20, GALVANISED	518082	H39655	1
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	2
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		1
7	WASHER - SPRING, M12, GALVANISED (USE WITH 2750mm CROSSARM)	518082	H12047	2
	WASHER - CONICAL, M12, GALVANISED (USE WITH 2400mm & 2700mm CROSSARMS)	518082	H39639	
6	WASHER - FLAT, M12, GALVANISED	518081	177982	4
5	BOLT & NUT - M12x150mm, HEX., GALVANISED (USE WITH 2400mm & 2750mm CROSSARMS)	515466	46847	2
	BOLT & NUT - M12x180mm, HEX., GALVANISED (USE WITH 2700mm CROSSARM)	515466	46888	
4	CROSSARM - 2750x125x125mm, ITEM 1, COMPOSITE FIBRE (SEE NOTES 8, 9 & 11)	237491	183933	1
	CROSSARM - 2400x125x100mm, TYPE LT3, HARDWOOD (SEE NOTES 8, 9 & 11)	15233	71746	
	CROSSARM - 2700x150x100mm, TYPE F, HARDWOOD (SEE NOTES 8, 9 & 11)	514373	H23892	
3	SCREW - COACH, M12 x 100mm, GALVANISED		H40484	1
2	BRACE - CROSSARM, FLAT, TYPE L, 490mm, GALVANISED (SEE NOTE 10)	46	76745	2
	BRACE - CROSSARM, FLAT, 690mm, GALVANISED (SEE NOTE 10)	514385	H17738	
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: PATRICIA RIOS	CHKD: PHIL JONES	DATE: 13/07/2007	MATERIAL LIST & NOTES AMENDED. DIMENSIONS ADDED.	APP'D by: GLENN FORD	DWN: P.RIOS	CHKD: P.JONES	DATE: 22/06/2022	MATERIAL LIST & NOTES AMENDED.	APP'D by: G.FORD
1	2	3	4	5	6	7	8	9	10	11

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
1	LV CONDUCTOR TIE & SUPPORT ARRANGEMENTS	514044		
2	125mm COMPOSITE CROSSARM SUPPORT BRACKET & DETAIL ASSEMBLY	235150		
3	COMPOSITE FIBRE CROSSARMS SPECIFICATION	237491		
4	WOODEN CROSSARMS FOR 415V OVERHEAD MAINS	15233		

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:15	STANDARD CONSTRUCTION		
DESIGNED	-	LV THROUGH MAINS TERMINATION		
DRAWN	PETER SAUNDERS	CONSTRUCTION WITH LV LINKS		
CHECKED	P.A.S	1-50		
APPROVED	R.BREMELL	SIZE	DRAWING No	SHEET
DATE	26/03/1996	A2	513971	1
PROJECT NUMBER	STD	AMD		8
PROJTRAK NUMBER	-			