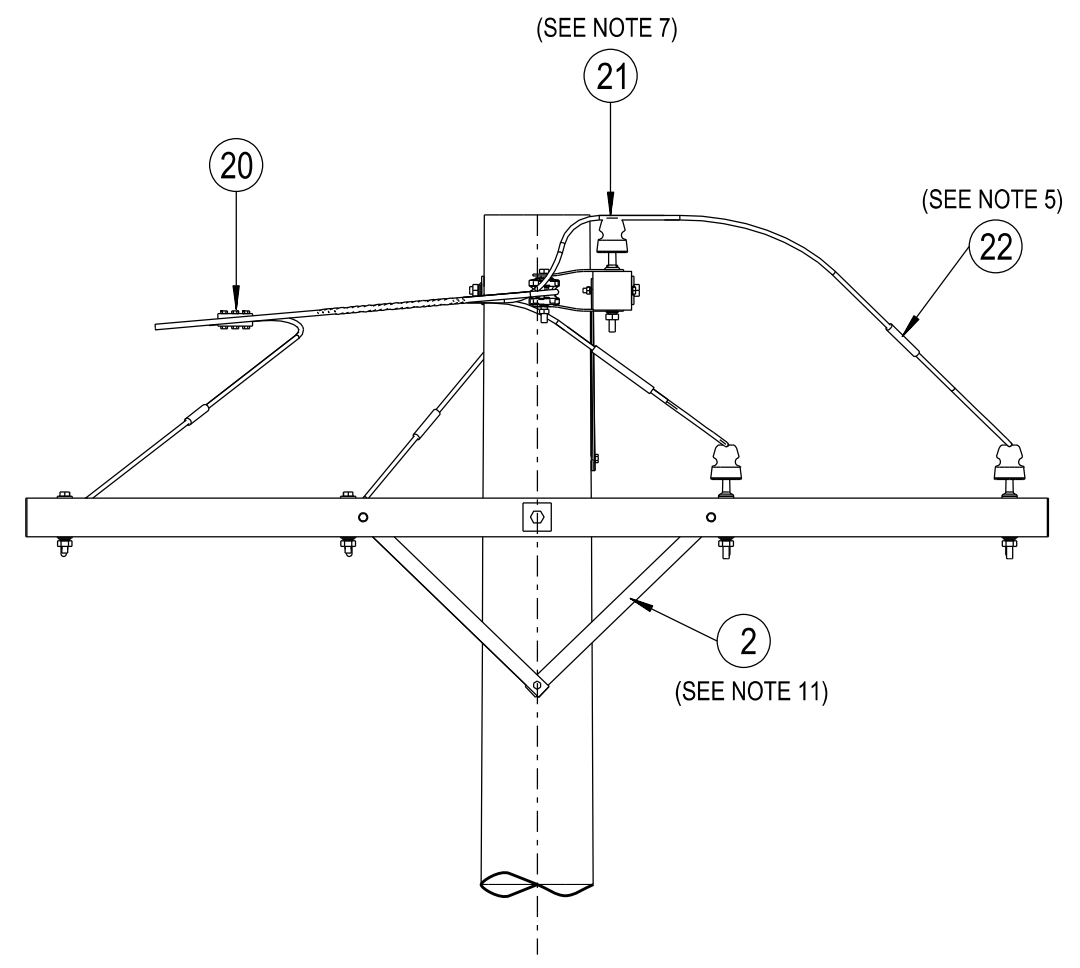
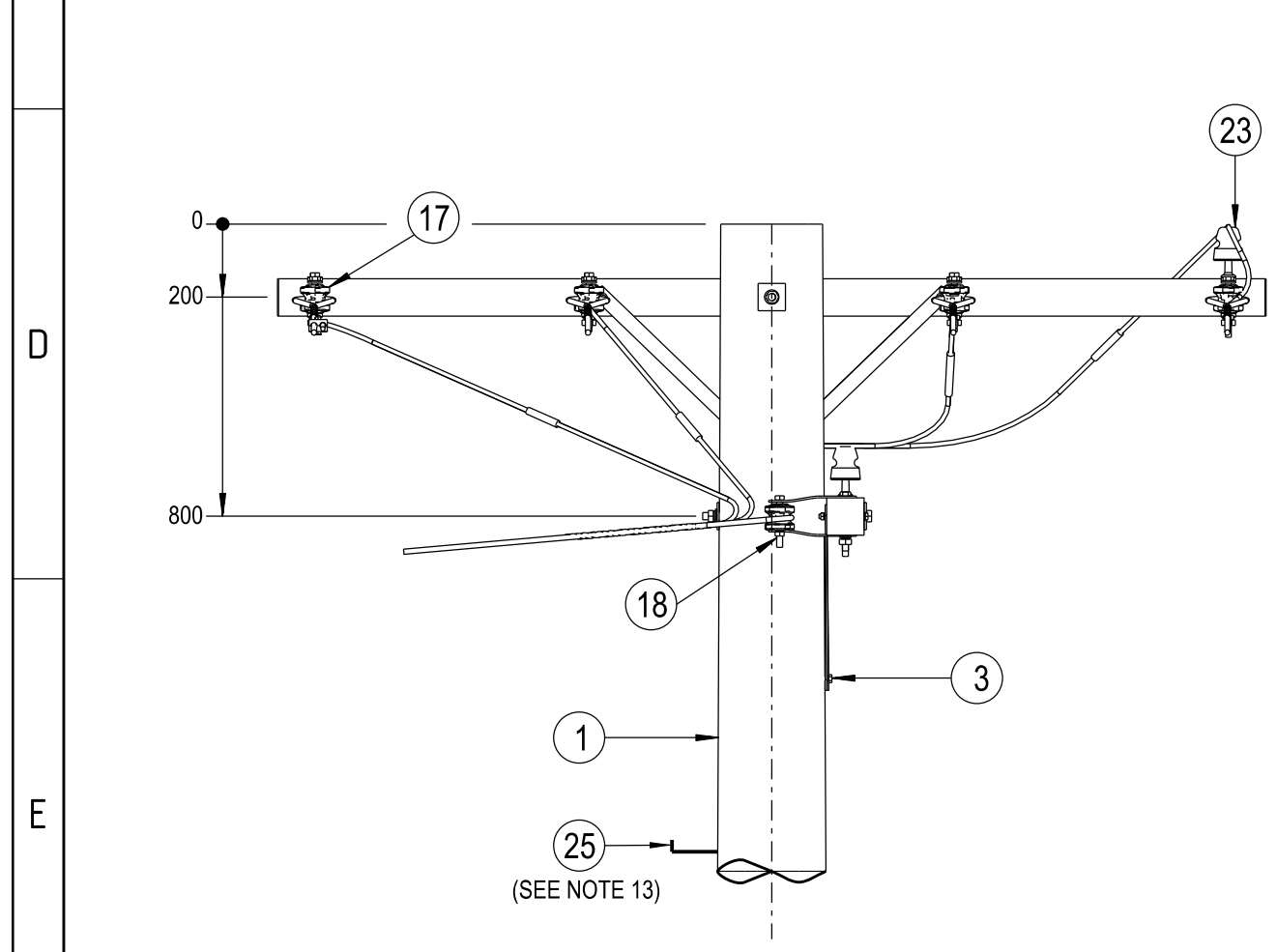


NOTES :

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. COMPOSITE FIBRE CROSSARMS ARE TO BE USED AS THE PREFERRED OPTION UNDER NORMAL CIRCUMSTANCES.
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. BI-METALLIC PARALLEL GROOVE CLAMPS ARE NOT TO BE INSTALLED ON TENSIONED CONDUCTORS. IF JOINING ALUMINIUM AND COPPER CONDUCTOR, A PARALLEL GROOVE CLAMP AND CONDUCTOR TAIL TO SUIT THE TENSIONED CONDUCTOR MATERIAL IS TO BE INSTALLED. THE ALUMINIUM AND COPPER CONDUCTORS ARE JOINED WITH A BI-METALLIC COMPRESSION LINK INSTALLED IN THE NON-TENSIONED CONDUCTOR TAPPING.
13. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
14. REFER TO DESIGNER SAFETY REPORT D22/200908 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.



25	STEP - POLE, SCREW-IN (SEE NOTE 13)	250144	185198	A/R
24	LINK - BI-METALLIC, COMPRESSION (TO SUIT CONDUCTORS) (SEE NOTE 12)	514053		1
23	INSULATOR - LV, (LPLV PATTERN 'B') & PIN ARRANGEMENT	513995		3
22	JOINT - NON TENSION, COMPRESSION (TO SUIT CONDUCTOR) (SEE NOTE 5)	514053		3
21	TIE - CONDUCTOR, LOW VOLTAGE, SUPPORT ARRANGEMENT (SEE NOTE 7)	514044		5m
20	CLAMP - PARALLEL GROOVE (TO SUIT CONDUCTOR) (SEE NOTE 12)	514099		1
19	DEADEND - PREFORMED, HELICAL (TO SUIT CONDUCTOR)	514098		8
18	BOLT & NUT - M16x130mm, HEX., GALVANISED	515466	46979	8
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	5
14	WASHER - CONICAL, M16, GALVANISED (USE WITH 2700mm, 2100mm & 2400mm CROSSARMS)	518082	H39647	5
13	BOLT & NUT - M16x160mm, HEX., GALVANISED (USE WITH 2750mm CROSSARM)	515466	47043	5
12	BLOCK - GAIN, ALUMINIUM, 125mm (USE WITH 2750mm CROSSARM)		146282	2
11	WASHER - FLAT, M20, GALVANISED	518081	177986	2
10	WASHER - CONICAL, M20, GALVANISED	518082	H39655	2
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	4
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		2
7	WASHER - CONICAL, M12, GALVANISED (USE WITH 2700mm, 2400mm & 2100mm CROSSARMS)	518082	H39639	4
6	WASHER - SPRING, M12, GALVANISED (USE WITH 2706mm, 2406mm, 2106mm & 2750mm CROSSARMS)	518082	H12047	4
5	WASHER - FLAT, M12, GALVANISED	518081	177982	8
4	BOLT & NUT - M12x150mm, HEX., GALVANISED (USE WITH 2400mm & 2750mm CROSSARMS)	515466	46847	4
	BOLT & NUT - M12x180mm, HEX., GALVANISED (USE WITH 2700mm & 2100mm CROSSARMS)	515466	46888	4
	BOLT & NUT - M12x130mm, HEX., GALVANISED (USE WITH 2706mm, 2406mm & 2106mm CROSSARMS)	515466	46805	4
	CROSSARM - 2750x125x125mm, ITEM 1, COMPOSITE FIBRE (SEE NOTES 8, 9 & 10)	237491	183933	
	CROSSARM - 2400x125x100mm, TYPE LT3, HARDWOOD (SEE NOTES 8, 9 & 10)	15233	71746	
	CROSSARM - 2100x150x100mm, TYPE I, HARDWOOD (SEE NOTES 8, 9 & 10)	514374	H23745	
	CROSSARM - 2700x150x100mm, TYPE E, HARDWOOD (SEE NOTES 8, 9 & 10)	514373	H23892	2
	CROSSARM - 2106x102x102mm, TYPE 4, COMPOSITE FIBRE (SEE NOTES 8, 9 & 10)	262732	186774	
	CROSSARM - 2406x102x102mm, TYPE 5, COMPOSITE FIBRE (SEE NOTES 8, 9 & 10)	262732	186775	
	CROSSARM - 2706x102x102mm, TYPE 6, COMPOSITE FIBRE (SEE NOTES 8, 9 & 10)	262732	186776	
3	SCREW - COACH, M12 x 100mm, GALVANISED		H40484	2
2	BRACE - CROSSARM, FLAT, TYPE L, 490mm, GALVANISED (SEE NOTE 11)	46	76745	4
1	BRACE - CROSSARM, FLAT, 690mm, GALVANISED (SEE NOTE 11)	514385	H17738	4
	POLE - TIMBER (AS REQUIRED)	513988		1

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

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
COMPOSITE FIBRE CROSSARM MECHANICAL LOAD REQUIREMENTS	237491			
2700mm CROSSARMS FOR LV, 11kV, 22kV & 33kV CONSTRUCTION DETAILS	514373			
COMPOSITE FIBRE CROSSARMS SPECIFICATION	262732			
LV CONDUCTOR TIE & SUPPORT ARRANGEMENTS	514044			
WOODEN CROSSARMS FOR 415V OVERHEAD MAINS	15233			
WOODEN CROSSARMS FOR LV, 11kV & 33kV CONSTRUCTION DETAILS	514374			

ASSOCIATED DRAWINGS	
COMPOSITE FIBRE CROSSARM MECHANICAL LOAD REQUIREMENTS	237491
2700mm CROSSARMS FOR LV, 11kV, 22kV & 33kV CONSTRUCTION DETAILS	514373
COMPOSITE FIBRE CROSSARMS SPECIFICATION	262732
LV CONDUCTOR TIE & SUPPORT ARRANGEMENTS	514044
WOODEN CROSSARMS FOR 415V OVERHEAD MAINS	15233
WOODEN CROSSARMS FOR LV, 11kV & 33kV CONSTRUCTION DETAILS	514374

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION		
DESIGNED	-	LV CORNER POLE TERMINATION		
DRAWN	PETER SAUNDERS	CONSTRUCTION		
CHECKED	-	1-12		
APPROVED	ROBERT BREMMELL	SIZE	DRAWING No	
DATE	26/03/1996	A2	513940	
PROJECT NUMBER	STD	SHEET	1	AMD
PROJ/TRAK NUMBER	-			14