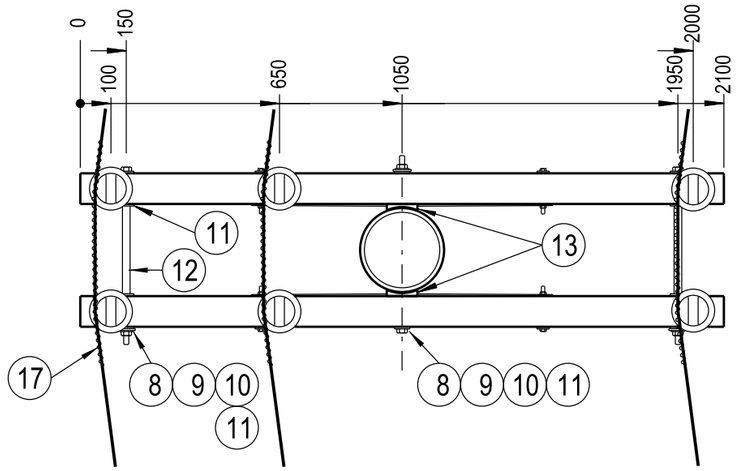

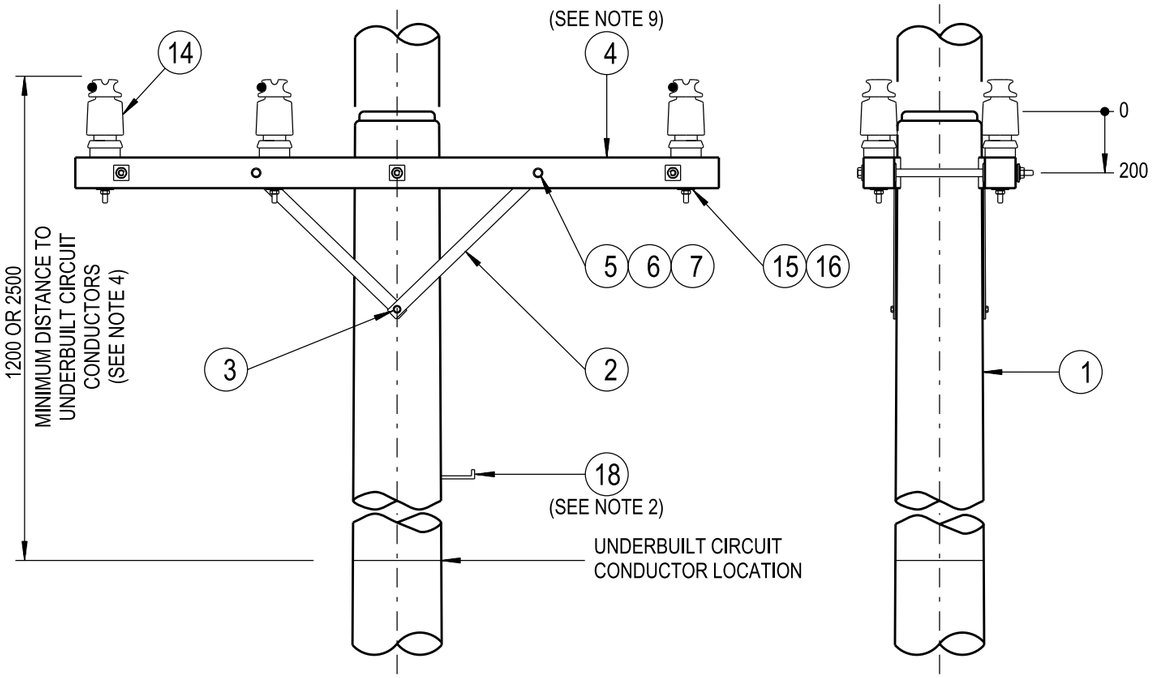

NOTES :

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. PHASE CONDUCTOR SIZE.
   e. VARIATIONS TO STANDARD CROSSARM REQUIREMENTS.
   f. STAY REQUIREMENTS.
   g. DEVIATION ANGLE.
   h. ASSESSED EARTHING REQUIREMENTS.
2. POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS126.
3. ALTERNATE THE CENTRE PHASE INSULATOR ON EITHER SIDE OF THE POLE ALONG THE LINE.
4. 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.
5. THIS CONSTRUCTION IS TO BE USED WHEN UNDERBUILDING ANOTHER CIRCUIT OR FOR UNDERCROSSING OTHER CONDUCTORS.
6. ALL BOLTS AND INSULATOR PINS PASSING THROUGH TIMBER ARE TO BE COATED WITH GRAPHITE GREASE.
7. POLES SHALL BE DRILLED, SCARFED AND DRESSED ON SITE. DRILLING AND SCARFING TO BE TREATED WITH APPROVED PRESERVATIVES.
8. TO MAINTAIN THE INTEGRITY OF A COVERED SYSTEM , IT IS ESSENTIAL THAT ALL STRIPPED AND PUNCTURED INSULATION IS CONTAINED WITHIN THE APPROPRIATE INSULATING COVER.
9. DRILL Ø22mm HOLES IN BOTH ENDS OF EACH CROSSARM TO ENABLE INSERTION OF CROSSARM SPACER BOLTS.
10. THIS CONSTRUCTION IS TO BE USED FOR LINE DEVIATION ANGLES BETWEEN 25° AND 50°.

ITEM	DESCRIPTION	DRG. No	STOCK CODE	QTY
18	STEP - POLE, SCREW-IN (SEE NOTE 2)	250144	185198	A/R
17	WIRE - TIE, PREFORMED, INSULATED, FOR CCT180		176312	6
	WIRE - TIE, PREFORMED, INSULATED, FOR CCT120		144600	
	WIRE - TIE, PREFORMED, INSULATED, FOR CCT80		144618	
16	WASHER - CONICAL, M16, GALVANISED	518082	H39647	6
15	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø18mm HOLE)	518081	H39257	6
14	INSULATOR - PIN POST, LONG STUD		145052	6
13	BLOCK - GAIN, ALUMINIUM, 100mm		146274	2
12	PIPE - SPACER, 25mm NB, GALVANISED (CUT PIPE TO REQUIRED LENGTH)		H36754	2
11	WASHER - FLAT, M20, GALVANISED	518081	177986	7
10	WASHER - CONICAL, M20, GALVANISED	518082	H39655	3
9	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	6
8	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		3
7	WASHER - CONICAL, M12, GALVANISED	518082	H39639	4
6	WASHER - FLAT, M12, GALVANISED	518081	177982	8
5	BOLT & NUT - M12x130mm, HEX., GALVANISED	515466	46805	4
4	CROSSARM - 2100x100x100mm, TYPE F, HARDWOOD (SEE NOTE 9)	514374	H23680	2
3	SCREW - COACH, M12x100mm, GALVANISED		H40484	2
2	BRACE - CROSSARM, FLAT, 690mm, GALVANISED	514385	H17738	4
1	POLE - TIMBER (AS REQUIRED)	513988		1

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

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS

1 — DWN: PATRICIA RIOS; CHKED: PHIL JONES; DATE: 04/09/2007; NOTE 4 AMENDED. — APP'D by: STEPHEN CONNOR

2 — DWN: PATRICIA RIOS; CHKED: PHILLIP JONES; DATE: 11/03/2020; 50x50 SQUARE WASHER ADDED. ITEM 18 ADDED. ITEMS 7, 10 & 15 CHANGED TO GALVANISED. — APP'D by: GLENN FORD

NETWORK STANDARD
Ausgrid

145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:20
DESIGNED	PHIL JONES
DRAWN	PATRICIA RIOS
CHECKED	PHIL JONES
APPROVED	STEPHEN CONNOR
DATE	05/12/06
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION
11kV HORIZONTAL PIN TWIN CROSSARM CONSTRUCTION
2-101CCT

SIZE	DRAWING No	SHEET	AMD
A3	175883	01	2

20110901