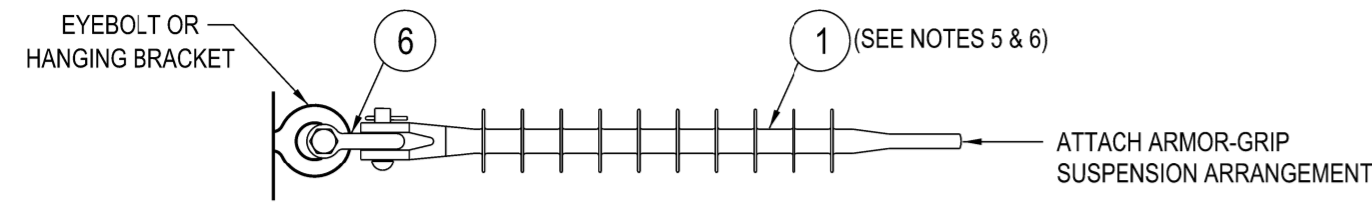
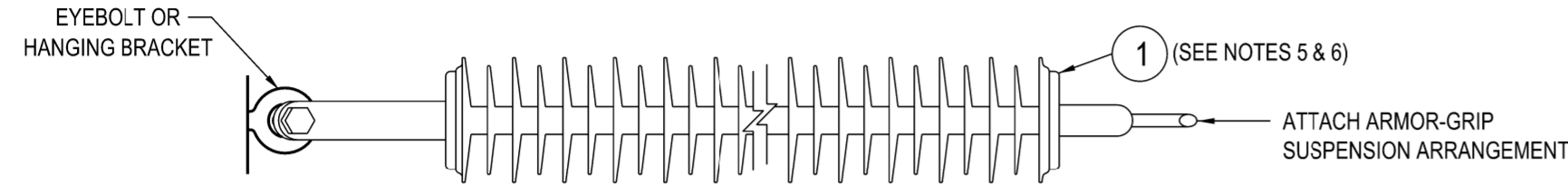


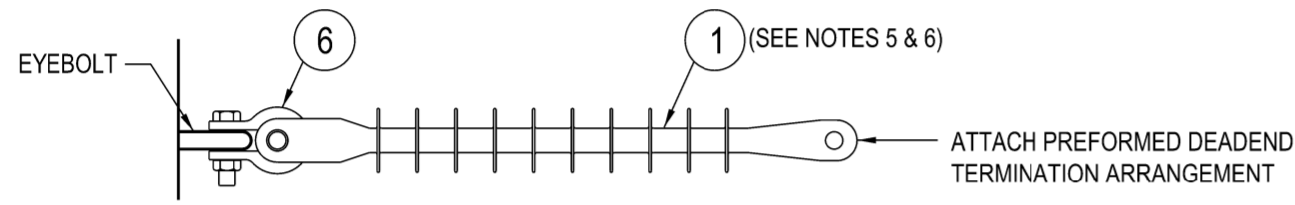
AR-1A - FLYING ANGLE OR SUSPENSION



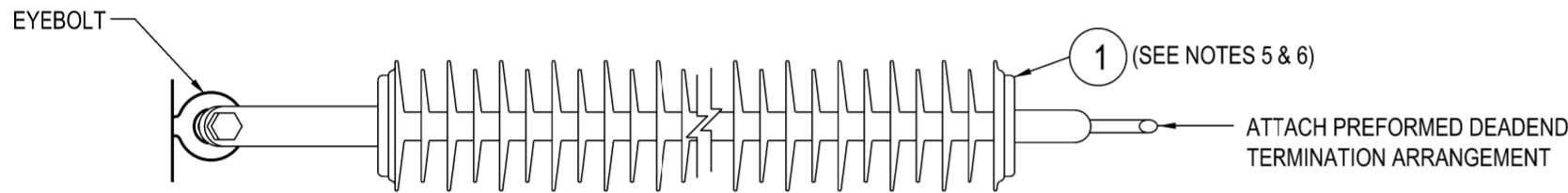
AR-1B - FLYING ANGLE OR SUSPENSION



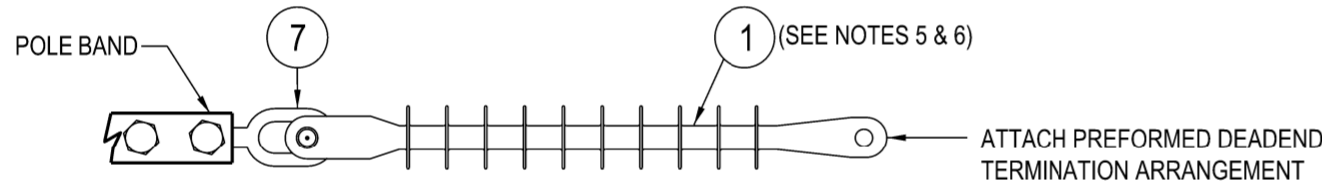
AR-2A - TERMINATION



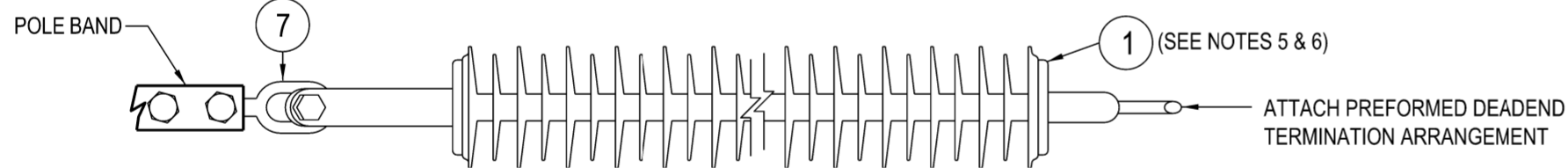
AR-2B - TERMINATION



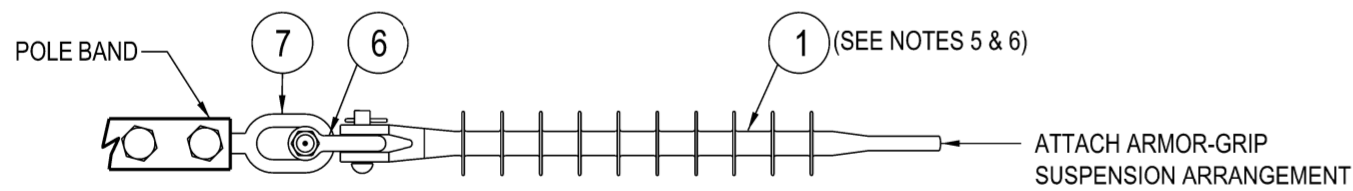
AR-3A - TERMINATION



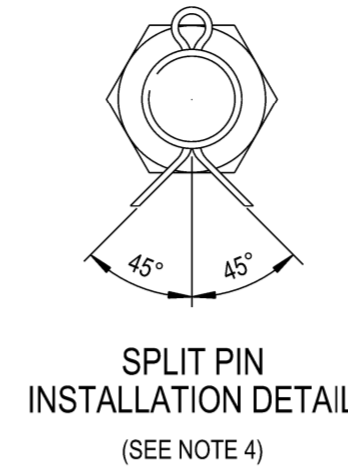
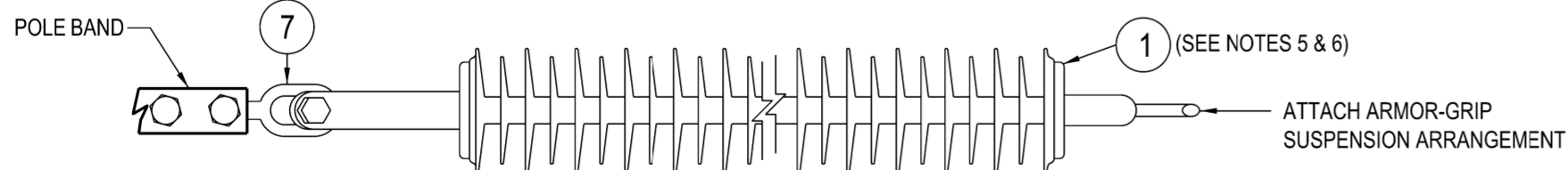
AR-3B - TERMINATION



AR-4A - FLYING ANGLE

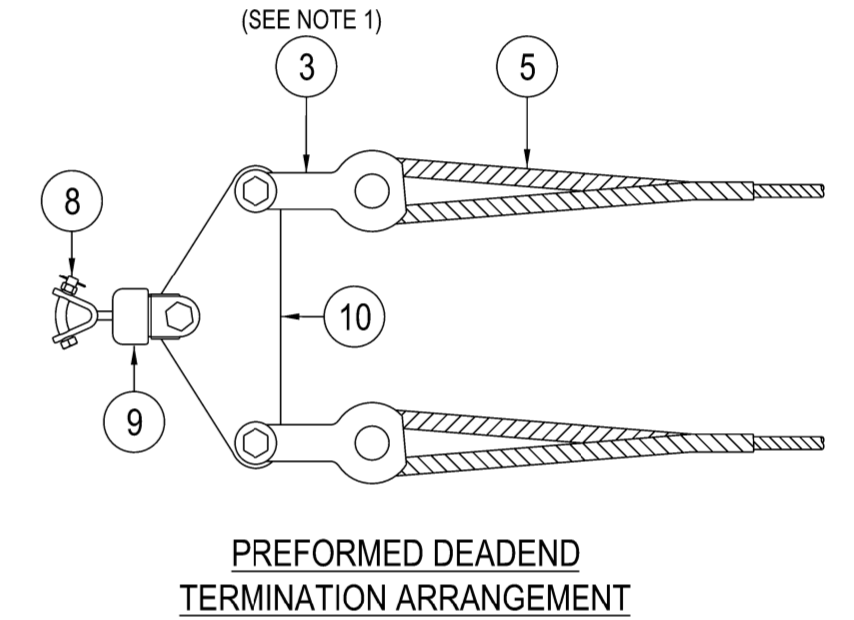
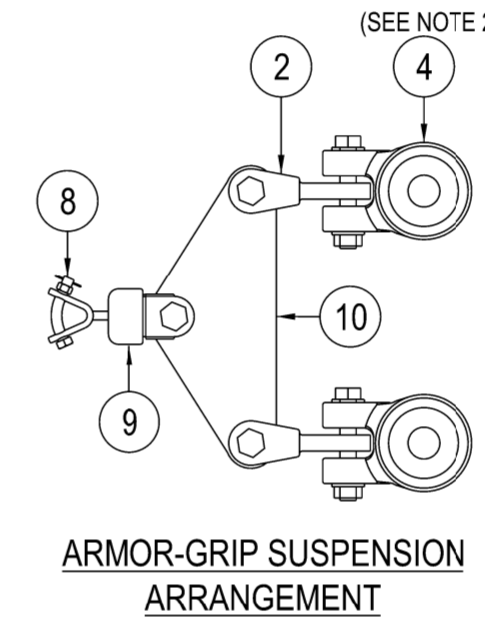


AR-4B - FLYING ANGLE



NOTES :

- ALL CONDUCTOR TERMINATIONS ARE TO USE A CLEVIS THIMBLE ARRANGEMENT.
- AN ARMOR-GRIP SUSPENSION CLAMP SUPPLIED WITH A 16mm BOLT IS TO BE USED WITH A.A.C., A.A.A.C. OR A.C.S.R. CONDUCTOR. AN OFFSET SUSPENSION CLAMP IS TO BE USED WITH COPPER CONDUCTOR.
- THE ULTIMATE STRENGTH OF THE COMPONENTS IN THESE TERMINATION ARRANGEMENTS ARE :
 - 33kV SYNTHETIC COMPOSITE INSULATOR - 70kN
 - 66kV SYNTHETIC COMPOSITE INSULATOR - 120kN
 - EYE/TONGUE - 160kN
 - REMAINING OVERHEAD LINE FITTINGS - 70kN
- HARDWARE SUPPLIED WITH STAINLESS STEEL SPLIT PINS WILL HAVE THEM INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN.
- THE 66kV LONGROD INSULATOR IS TO BE USED AS THE PREFERRED INSULATOR ON A DUAL CONDUCTOR FEEDER ARRANGEMENT. THE 33kV LONGROD INSULATOR CAN TO BE USED TO OVERCOME CONDUCTOR CLEARANCE CONSTRAINTS.
- THE NUMBER OF INSULATOR SHEDS SHOWN IS NOMINAL. THIS MAY VARY DEPENDING ON SUPPLIER.



10	PLATE - YOKE, PLP PART No: YPT-070-250			1	1	1	1	1	1	1	1	1	1
9	SOCKET - CLEVIS, 70kN, REF.70/SC, A.S.1154.2, PLP PART No: SC-070-1			1	1	1	1	1	1	1	1	1	1
8	BALL - 'Y' CLEVIS, 70kN, REF.70/BYC, A.S.1154.2	181807		1	1	1	1	1	1	1	1	1	1
7	EYE - TONGUE, 160kN, A.S.1154.2	183889						1	1	1	1	1	1
6	SHACKLE - BOW, 70kN, REF.70/S, A.S.1154.2	30890		1		1						1	
5	DEADEND - PREFORMED (TO SUIT CONDUCTOR)	514098				2	2	2	2				
4	CLAMP - SUSPENSION, OFFSET (TO SUIT COPPER CONDUCTOR) (SEE NOTE 2)	514132		2	2							2	2
3	CLEVIS - THIMBLE, 70kN, A.S.1154.2 (TO SUIT CONDUCTOR) (SEE NOTE 1)	514132				2	2	2	2				
2	TONGUE - CLEVIS, TWISTED, 70kN, REF.70/TCT, A.S.1154.2	185213		2	2							2	2
1	INSULATOR - LONGROD, 66kV, POLYMERIC, 120kN (EYE/Y-CLEVIS) (SEE NOTES 5 & 6)	178292			1		1			1			1
1	INSULATOR - LONGROD, 33kV, POLYMERIC, 70kN (TONGUE/CLEVIS) (SEE NOTES 5 & 6)	178277		1		1			1			1	
ITEM	DESCRIPTION	DRG.No.	STOCK CODE	QTY									
				AR-1A	AR-1B	AR-2A	AR-2B	AR-3A	AR-3B	AR-4A	AR-4B		

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: P.RIOS	CHKD: P.JONES	DATE: 10/01/2022	ITEM 2 - MATERIAL LIST AMENDED	APPD by: G.FORD
4					

TENSION INSULATOR STRING ARRANGEMENT	513946
SUSPENSION INSULATOR STRING ARRANGEMENT	514043
ASSOCIATED DRAWINGS	

NETWORK STANDARD

145 NEWCASTLE RD WALLSEND,
NSW 2287

SCALE	1:7.5
DESIGNED	PHILLIP JONES
DRAWN	PATRICIA RIOS
CHECKED	PHILLIP JONES
APPROVED	GLENN FORD
DATE	22/01/19
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION			
33kV LONGROD INSULATOR			
DUAL PHASE CONDUCTOR			
STRING ARRANGEMENT			
SIZE	DRAWING No	SHEET	AMD
A2	250120	1	4