



IF OPGW NOT REQUIRED THEN INSTALL OHEW TERMINATION TO DRG - 519450 ARR-2. EARTH BAR MUST STILL BE CONNECTED DIRECTLY TO OHEW VIA 185mm<sup>2</sup> Cu CABLE.

NOTES (DIRECTION OF TERMINATION)  
 THE CENTRE PHASE CABLE MAY ALSO BE RUN UP THE BACK OF THE POLE (i.e. OPPOSITE SIDE OF POLE TO INCOMING OVERHEAD CONDUCTORS) BY:  
 1. REVERSING THE SIDE OF THE POLE THAT THE CROSSARM IS MOUNTED.  
 2. BY REVERSING THE DIRECTION OF THE AERIAL CONDUCTOR TERMINATIONS.  
 3. BY USING A BRIDGING LINE POST INSULATOR FOR THE DROPPER CONDUCTOR ON THE TOP PHASE.

NOTE : ORIENTATION OF POLE  
 REFER TO SHEET 3 AND ROUTE PLAN FOR POLE TOP ARRANGEMENT. THE POLE MUST BE INSTALLED AT THE CORRECT ORIENTATION TO ENSURE THE EARTH CONDUCTORS AND FIBRES RUN UP THE CORRECT SIDE OF THE POLE AS SHOWN ON SHEET 3. POLE TOP TYPE 1, 2 OR 3 IS TO BE NOMINATED ON THE ROUTE PLAN.

NOTE : EARTHING ARRANGEMENT OF SYSTEM  
 1. IF BONDED END OF SINGLE POINT BONDED SYSTEM IS AT THE POLE. NO SHEATH ARRESTERS ARE REQUIRED, AND METALLIC SHEATH IS TO BE DIRECTLY BONDED TO THE EARTH BAR. REFER TO ROUTE PLAN FOR SVL AND METALLIC SHEATH BONDING REQUIREMENTS.  
 2. FOR CROSS BONDED AND DOUBLE POINT BONDED SYSTEMS, ONLY THE ECC BETWEEN THE OPGW DEADEND AND THE EARTH BAR IS TO BE DOUBLE BOLTED, METALLIC CABLE SHEATHS TO USE A SINGLE BOLTED LUG.  
 3. SINGLE POINT BONDED SYSTEMS REQUIRE A DOUBLE BOLTED CONNECTION FOR THE ECC CONNECTIONS TO THE EARTH BAR AND OPGW DEADEND.

TYPE 1 DETAILS SHOWN ON THIS SHEET.  
 (REFER TO SHEET 3 FOR ALTERNATE LAYOUT OPTIONS)

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	DWN: PATRICIA RIOS	CHKD: PHILIP JONES	DATE: 20/05/2020	OPGW CONFIGURATION & EARTH CONNECTIONS AMENDED. SHEET 3 ADDED.	APPD by: GLENN FORD
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OVERHEAD EARTHWIRE TERMINATION MOUNTING ARRANGEMENT	519450
ASSOCIATED DRAWINGS	

NETWORK STANDARD  
**Ausgrid**  
 145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	NTS
DESIGNED	TERRY PERKINS
DRAWN	PATRICIA RIOS
CHECKED	TERRY PERKINS
APPROVED	GLENN FORD
DATE	24/07/12
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION	
33kV UG0H ON CONCRETE POLE	
300mm <sup>2</sup> -1600mm <sup>2</sup> - TWIN CABLES PER PHASE	
SCREEN EARTHED ASSEMBLY	
GENERAL ARRANGEMENT	
SIZE	DRAWING No
A1	229262
SHEET	01
AMD	1