



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.

USE CONNECTION OPTIONS AS PER DETAIL 4 SHT 2 (OPTION A' SHOWN)

FRONT ISOMETRIC VIEW  
NOT TO SCALE

REAR ISOMETRIC VIEW  
NOT TO SCALE

EARTHING SCHEMATIC - OPTION 1  
CROSS BONDED SYSTEM &  
DOUBLE POINT BONDED SYSTEM  
NOT TO SCALE

EARTHING SCHEMATIC - OPTION 2  
SINGLE POINT BONDED SYSTEM  
NOT TO SCALE

NOTE : EARTHING ARRANGEMENT OF SYSTEM

- 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.
- 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.
- SINGLE POINT BONDED SYSTEMS REQUIRE A DOUBLE BOLTED CONNECTION FOR THE ECC CONNECTIONS TO THE EARTH BAR AND OPGW DEADEND.

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.

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

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SHEET 2 & SHEET 3

ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE	
1 DATE: 11/10/2018 TITLE: CHANGED FROM TO:	2 DATE: 03/06/2020 2ND CLAMP ADDED TO ECC
3 DATE: 03/06/2020 2ND CLAMP ADDED TO ECC	4 DATE: 03/06/2020 2ND CLAMP ADDED TO ECC

NETWORK STANDARD <b>Ausgrid</b> 165 NEWCASTLE RD WALLSEND, NSW 2287		SCALE: 1:25 DESIGNED: TERRY PERKINS DRAWN: PATRICIA RIOS CHECKED: ADAM BRADFORD APPROVED: GLENN FORD DATE: 04/11/18 PROJECT NUMBER: STD PRODUCTION NUMBER: -	STANDARD CONSTRUCTION 33kV UGH ON CONCRETE POLE 300mm <sup>2</sup> TO 1600mm <sup>2</sup> FLEXIBLE NON SELF SUPPORTING TERMINATION GENERAL ARRANGEMENT SIZE: A0 DRAWING NO: 232985 SHEET: 01 AMO: 3
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