



- NOTES:**
- SOME MATERIAL QUANTITIES MAY VARY DEPENDANT ON POLE SIZE AND CONSTRUCTION TYPE.
 - ALL COMPRESSION LUGS TO BE TERMINATED USING CORRECT PROCEDURES AND CALIBRATED TOOLS.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. DO NOT SCALE, DIMENSIONS TAKE PRECEDENCE.
 - ONLY ONE ELECTRICAL CONNECTION PER BOLT PERMITTED.
 - ATTACH CABLE TIES AROUND THE MEDIUM VOLTAGE CABLE COVER AT THE BEGINNING OF THE SECTION, AT EQUAL INTERVALS UP TO 750mm APART AND AT THE END OF THE SECTION.
 - REFER TO DESIGNER SAFETY REPORT D21/84203 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SHEET 1

ITEM	DESCRIPTION	DRG. No	STOCK CODE	BASE QTY	LV	SL
50	TE - CABLE, 250x7mm, BLACK, LV STABILISED, PVC (SEE NOTE 5)	179755	A/R			
49	COVER - CONDUCTOR, MEDIUM VOLTAGE, GREY (TO SUIT CONDUCTOR SIZE) (TE CONNECTIVITY PART No. MVCC-G-XXX)		PURCHASE	A/R		
48	FLAG - EARTH, 50x8 3x100mm, TINNED COPPER			3		
47	COVER - TERMINATION PLATE	176721		3		
46	SCREW - #12x45mm, SELF DRILLING	175567				2
45	CONNECTOR - SERVICE/STREET LIGHTING INSULATOR PIERCING	73585			A/R	
44	CABLE - 2.5mm ² , Cu, 2C, PVC INSULATED	H15011			A/R	
43	SADDLE - 25mm, DOUBLE SIDED, GALVANISED	66043			A/R	
42	CONDUIT - FLEXIBLE, Ø20mm, GREY	176566			A/R	
41	CLAMP - D-TECHNIK, K SERIES 50/75	182114		3		
40	LUG - COMPRESSION, BI-METALLIC, LONG PALM (TO SUIT CONDUCTOR) (DRILL PALM TO SUIT ITEM 10) (SEE NOTE 2)			3		
39	CABLE - 70mm ² , Cu, PVC INSULATED, BLACK	60111			A/R	
38	CABLE - 185mm ² , Cu, PVC INSULATED, BLACK	184617			A/R	
37	CONDUCTOR - TO SUIT PHASE CONDUCTOR				A/R	
36	CLAMP - PARALLEL GROOVE, 3 BOLT (TO SUIT CONDUCTOR)	514099		3		
35	SHACKLE - BOW, 70mm, REF 70'S, A S.1154.2	13864		30890		2
34	LUG - COMPRESSION, COPPER, Ø12mm HOLE (TO SUIT 70mm ² CABLE) (SEE NOTE 2)	74631		11		
33	LUG - COMPRESSION, COPPER, Ø12mm HOLE (TO SUIT 185mm ² CABLE) (SEE NOTE 2)	73312		2		
32	SCREW - COACH, M12x65mm, GALVANISED	H40476		14		
31	WASHER - SPRING, M12, STAINLESS STEEL	518082		143859		25
30	WASHER - FLAT, M12, STAINLESS STEEL	518081		49429		50
29	NUT - M12, HEX, STAINLESS STEEL	515467		8967		25
28	BOLT - M12x40mm, HEX, STAINLESS STEEL	515467		45146		25
27	WASHER - SPRING, M10, GALVANISED			6		
26	SCREW - COACH, M10x65mm, GALVANISED	50542			A/R	
25	SCREW - COACH, M12x90mm, GALVANISED	50443				2
24	BOLT & NUT - M10x75mm, HEX, GALVANISED	515466		46326		6
23	WASHER - FLAT, M10, GALVANISED	518081		177983		A/R
22	SCREW - COACH, M10x40mm, GALVANISED	50567		48		
21	WASHER - FLAT, M12, GALVANISED	518081		177982		14
20	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081		H39231		4
19	WASHER - CONICAL, M20, GALVANISED	518082		H39655		2
18	WASHER - FLAT, M20, GALVANISED	518081		177986		2
17	BOLT & NUT - M20, HEX, GALVANISED (LENGTH TO SUIT POLE)	515466				2
16	CLAMP - SUSPENSION (TO SUIT LV ABC CONDUCTOR SIZE)				A/R	
15	CLAMP - EARTH, DOWNLEAD (TO SUIT 70mm ² CABLE)				A/R	
14	CLAMP - CABLE, STAINLESS STEEL, ADJUSTABLE BAND, TYPE 30-100mm	160792		177851		A/R
13	COVER - CABLE, VENTILATED, UPPER	160792		177882		4
12	COVER - CABLE, VENTILATED, LOWER	59737		177711		4
11	BRACKET - STREET LIGHT, TYPE 3A	59737		72272		1
10	LUG - COMPRESSION, CABAC CAL300LPB (REFER TO DRILLING ARRANGEMENT) (SEE NOTE 2)			182151		3
9	PLATE - CONNECTION, 50x10x225mm, H.D.H.C. COPPER					3
8	BAR - EARTH, 50.8x3 18x400mm, TINNED COPPER					2
7	BRACKET - SURGE ARRESTER, 33kV	527144		H113456		3
6	BRACKET - CABLE SUPPORT	153799				3
5	INSULATOR - 66kV, HORIZONTAL LINE POST, WITH TWO HOLE TONGUE END FINISH			181308		1
4	ARRESTER - SURGE, 33kV, 10kA, STD MOUNTING			H113407		3
3	TERMINATION - CABLE (TO SUIT 33kV 300mm ² Cu1 XLPE CABLES)			178657		3
2	CABLE - 300mm ² , Cu, 1C, XLPE					A/R
1	POLE - TIMBER (AS REQUIRED)	513988				1

NOTE : THIS CONSTRUCTION IS ONLY TO BE USED AFTER CONSULTATION WITH THE RELEVANT AUSGRID SECTIONS.

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

NO	DATE	BY	CHKD	APPD
1	01/05/2019	PHILLIP JONES	PATRICIA RIOS	GLENN FORD
2	08/11/2019	PHILLIP JONES	PATRICIA RIOS	GLENN FORD
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Ausgrid
 NETWORK STANDARD
 145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	AS SHOWN
DESIGNED	PHILLIP JONES
DRAWN	PATRICIA RIOS
CHECKED	LEIGH DUNKLEY
APPROVED	GLENN FORD
DATE	08/01/19
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION	SIZE	DRAWING No	SHEET	AMD
33kV UGOH CONSTRUCTION WITH OHEW ON TIMBER POLE SOLIDLY BONDED EARTHING SYSTEM OPTIONAL LV & STREETLIGHT ATTACHMENTS DETAILS AND MATERIAL LIST	A1	250116	02	3