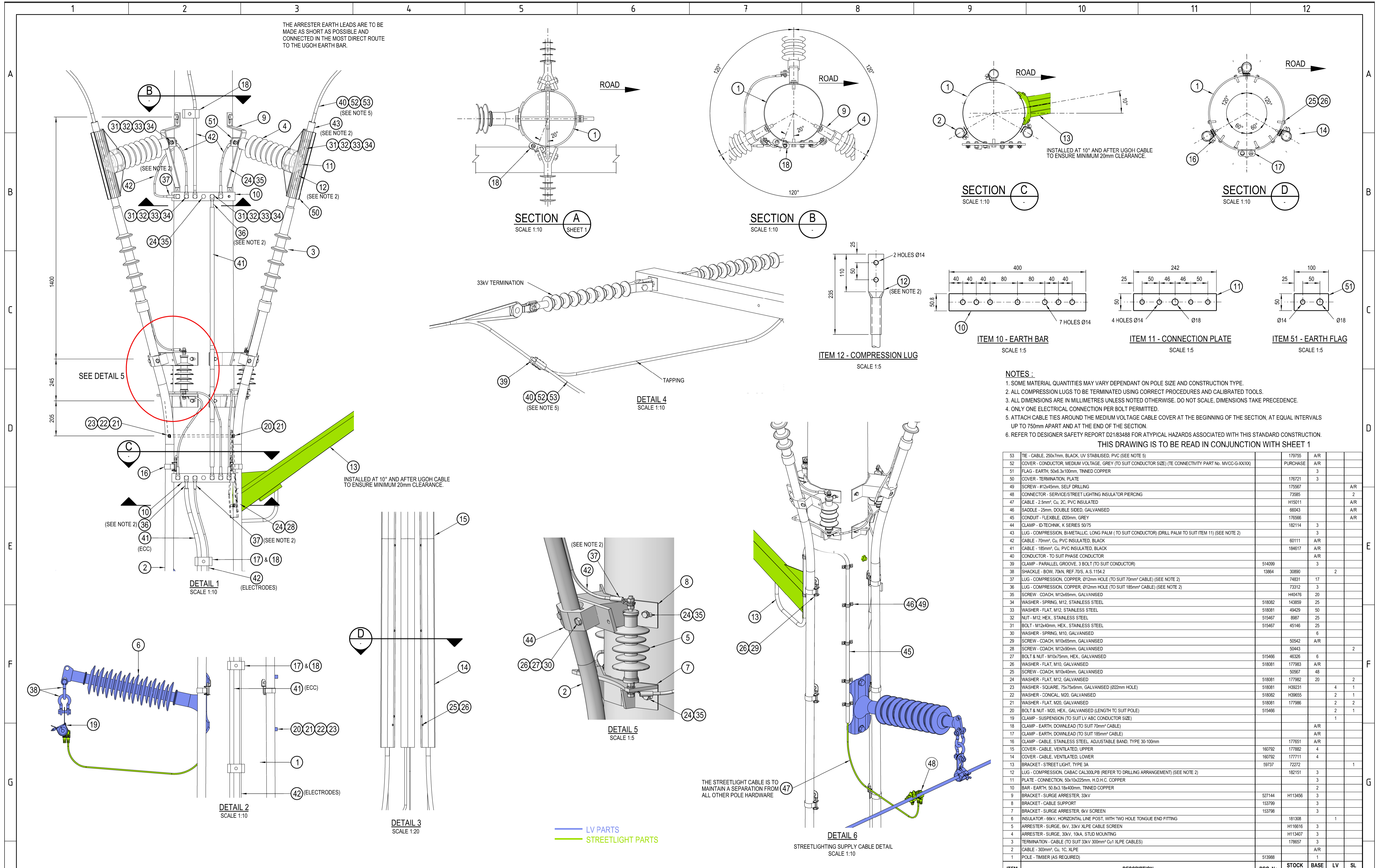


THE ARRESTER EARTH LEADS ARE TO BE MADE AS SHORT AS POSSIBLE AND CONNECTED IN THE MOST DIRECT ROUTE TO THE UGOH EARTH BAR.



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 D21/83488 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 |
|------|---|---------|------------|----------|-----|-----|
| 53 | TIE - CABLE, 25x7mm, BLACK, UV STABILISED, PVC (SEE NOTE 5) | | 179755 | AIR | | |
| 52 | COVER - CONDUCTOR, MEDIUM VOLTAGE, GREY (TO SUIT CONDUCTOR SIZE) (IE CONNECTIVITY PART No. M/CC-G-XXXX) | | PURCHASE | AIR | | |
| 51 | FLAG - EARTH, 50x3.3x100mm, TINED COPPER | | 74631 | 3 | | |
| 50 | COVER - TERMINATION, FLATE | | 176271 | 3 | | |
| 49 | SCREW - #12x45mm, SELF DRILLING | | 175567 | 6 | | AIR |
| 48 | CONNECTOR - SERVICE STREET LIGHTING INSULATOR PIERCING | | 73585 | 2 | | |
| 47 | CABLE - 2.5mm ² , Cu, 2C, PVC INSULATED | | H15011 | AIR | | AIR |
| 46 | SADDLE - 25mm, DOUBLE SIDED, GALVANISED | | 66043 | AIR | | AIR |
| 45 | CONDUIT - FLEXIBLE, Ø20mm, GREY | | 176566 | AIR | | AIR |
| 44 | CLAMP - ID TECHNIK, K SERIES 5075 | | 182114 | 3 | | |
| 43 | LUG - COMPRESSION, BIMETALLIC, LONG PALM (TO SUIT CONDUCTOR) (DRILL PALM TO SUIT ITEM 11) (SEE NOTE 2) | | 182114 | 3 | | |
| 42 | CABLE - 70mm ² , Cu, PVC INSULATED, BLACK | | 60111 | AIR | | |
| 41 | CABLE - 185mm ² , Cu, PVC INSULATED, BLACK | | 194617 | AIR | | |
| 40 | CONDUCTOR - TO SUIT PHASE CONDUCTOR | | | AIR | | |
| 39 | CLAMP - PARALLEL GROOVE, 3 BOLT (TO SUIT CONDUCTOR) | | 514099 | 3 | | |
| 38 | SHACKLE - BOW, 70x1, REF 701, A.S. 1154.2 | | 13864 | 3080 | 2 | |
| 37 | LUG - COMPRESSION COPPER, Ø12mm HOLE (TO SUIT 70mm ² CABLE) (SEE NOTE 2) | | 74631 | 17 | | |
| 36 | LUG - COMPRESSION COPPER, Ø12mm HOLE (TO SUIT 185mm ² CABLE) (SEE NOTE 2) | | 73312 | 3 | | |
| 35 | SCREW - COACH, M12x65mm, GALVANISED | | 140478 | 20 | | |
| 34 | WASHER - SPRING, M12, STAINLESS STEEL | | 518082 | 14359 | 25 | |
| 33 | WASHER - FLAT, M12, STAINLESS STEEL | | 518081 | 49429 | 50 | |
| 32 | NUT - M12, HEX, STAINLESS STEEL | | 515467 | 8887 | 25 | |
| 31 | BOLT - M12x40mm, HEX, STAINLESS STEEL | | 515467 | 45146 | 25 | |
| 30 | WASHER - SPRING, M10, GALVANISED | | | 6 | | |
| 29 | SCREW - COACH, M10x65mm, GALVANISED | | 55542 | AIR | | |
| 28 | SCREW - COACH, M12x90mm, GALVANISED | | 55413 | AIR | | 2 |
| 27 | BOLT & NUT - M10x75mm, HEX, GALVANISED | | 515466 | 45236 | 6 | |
| 26 | WASHER - FLAT, M10, GALVANISED | | 518081 | 17983 | AIR | |
| 25 | SCREW - COACH, M10x40mm, GALVANISED | | 55667 | 48 | | |
| 24 | WASHER - FLAT, M12, GALVANISED | | 518081 | 17982 | 20 | |
| 23 | WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE) | | 518081 | H30231 | 4 | 1 |
| 22 | WASHER - CONICAL, M20, GALVANISED | | 518082 | H36555 | 2 | 1 |
| 21 | WASHER - FLAT, M20, GALVANISED | | 518081 | 17986 | 2 | 2 |
| 20 | BOLT & NUT - M20, HEX, GALVANISED (LENGTH TO SUIT POLE) | | 515466 | | 2 | 1 |
| 19 | CLAMP - SUSPENSION (TO SUIT LV ABC CONDUCTOR SIZE) | | | | 1 | |
| 18 | CLAMP - EARTH, DOWNLEAD (TO SUIT 70mm ² CABLE) | | | AIR | | |
| 17 | CLAMP - EARTH, DOWNLEAD (TO SUIT 185mm ² CABLE) | | | AIR | | |
| 16 | CLAMP - CABLE, STAINLESS STEEL, ADJUSTABLE BAND, TYPE 30-100mm | | 177651 | AIR | | |
| 15 | COVER - CABLE, VENTILATED, UPPER | | 180792 | 17882 | 4 | |
| 14 | COVER - CABLE, VENTILATED, LOWER | | 180792 | 17711 | 4 | |
| 13 | BRACKET - STREET LIGHT, TYPE 3A | | 59737 | 72272 | 1 | 1 |
| 12 | LUG - COMPRESSION, CABAC CAL300LPB (REFER TO DRILLING ARRANGEMENT) (SEE NOTE 2) | | 182151 | 3 | | |
| 11 | PLATE - CONNECTION, 50x10x225mm, H.D.H.C. COPPER | | | 3 | | |
| 10 | BAR - EARTH, 50.8x3.18x400mm, TINED COPPER | | | 2 | | |
| 9 | BRACKET - SURGE ARRESTER, 33kV | | 527144 | H13456 | 3 | |
| 8 | BRACKET - CABLE SUPPORT | | 153799 | 3 | | |
| 7 | BRACKET - SURGE ARRESTER, 8kV SCREEN | | 153798 | 3 | | |
| 6 | INSULATOR - 68kV, HORIZONTAL LINE POST, WITH TWO HOLE TONGUE END FITTING | | 181308 | | 1 | |
| 5 | ARRESTER - SURGE, 8kV, 33kV XLPE CABLE SCREEN | | H18616 | 3 | | |
| 4 | ARRESTER - SURGE, 30kV, 10kA, STUD MOUNTING | | H13407 | 3 | | |
| 3 | TERMINATION - CABLE (TO SUIT 33kV 300mm ² Cu/1 XLPE CABLES) | | 178657 | 3 | | |
| 2 | CABLE - 300mm ² , Cu, 1C, XLPE | | | AIR | | |
| 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. | REVISIONS | DATE | BY | CHKD. | APPD. | DESCRIPTION |
|-----|---|------|------------|--------------|------------|-------------|
| 1 | DATE: 28/06/2017 COVERS ADDED TO SCALE LIST MATERIAL LIST AMENDED. | | GLENN FORD | PHILIP JONES | GLENN FORD | |
| 2 | DATE: 04/01/2019 ITEM NUMBER CORRECTED IN SECTION B. | | GLENN FORD | PHILIP JONES | GLENN FORD | |
| 3 | DATE: 01/06/2015 STREETLIGHT DETAILS CHANGED MATERIAL LIST AMENDED. EARTHING SYSTEM AMENDED. | | GLENN FORD | PHILIP JONES | GLENN FORD | |
| 4 | DATE: 15/10/2018 SURGE ARRESTER & CABLE SUPPORT ITEM 11 AMENDED. ITEM 12 DRILLING & ITEM 51 ADDED. | | GLENN FORD | PHILIP JONES | GLENN FORD | |
| 5 | DATE: 14/12/2021 NOTES ADDED, MATERIAL LIST AMENDED. | | GLENN FORD | PHILIP JONES | GLENN FORD | |

| SCALE | AS SHOWN | STANDARD CONSTRUCTION |
|------------------|----------------|---|
| DESIGNED | ROBERT KNOWLES | 33kV UGOH CONSTRUCTION WITH OHEW ON TIMBER POLE |
| DRAWN | PATRICIA RIOS | SVL CABLE SCREEN BONDED EARTHING SYSTEM |
| CHECKED | GLENN FORD | OPTIONAL LV & STREETLIGHT ATTACHMENTS |
| APPROVED | GLENN FORD | DETAILS AND MATERIAL LIST |
| DATE | 20/05/15 | |
| PROJECT NUMBER | STD | |
| PROJ TRAK NUMBER | - | |

| SIZE | DRAWING No | SHEET | AMD |
|------|------------|-------|-----|
| A1 | 238370 | 02 | 5 |

