# Distribution Overhead Construction Standard Section 6 Poles

Record Number: R0002730456

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Date: May 2026

# Authorisations

| Action | Name and title | Date |
|---|---|---|
| Prepared by | Tetiana Knyzhka | 04/05/2026 |
| Reviewed by | Branden Papalia | 08/05/2026 |
| Authorised by | Branden Papalia | 08/05/2026 |
| Review cycle | 5 Years | |

# Responsibilities

This document is the responsibility of the Asset Management Systems and Standards Team, Tasmanian Networks Pty Ltd, ABN 24 167 357 299 (hereafter referred to as "TasNetworks").

Please contact the Asset Management Systems and Standards Team with any queries related to this standard.

# Record of revisions

| Version | Description | Date |
|---|---|---|
| 3.0 | Major update: Section fully revised to reflect current construction requirements. | 08/05/2026 |

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|---|---|
| D-OHC-F100-SD-001 | POLES. GENERAL ASSEMBLIES |
| D-OHC-F101-SD-001 | STANDARD WOOD POLES. PRESSURE IMPREGNATED HARDWOOD POLES. CURRENT SPECIFICATIONS |
| D-OHC-F101-SD-002 | STANDARD WOOD POLES. PRESSURE IMPREGNATED HARDWOOD POLES. DRILLING AND FITOUT DIMENSIONS |
| D-OHC-F102-SD-001 | TITAN POLES. FIBRE REINFORCED CONCRETE POLES. SPECIAL CONSIDERATIONS. CURRENT SPECIFICATIONS |
| D-OHC-F102-SD-002 | TITAN POLES. FIBRE REINFORCED CONCRETE POLES. 12.5m SINGLE-PIECE POLES. DRILLING AND FITOUT DIMENSIONS |
| D-OHC-F102-SD-003 | TITAN POLES. FIBRE REINFORCED CONCRETE POLES. 14m & 15.5m TWO-PIECE POLES. DRILLING AND FITOUT DIMENSIONS |
| D-OHC-F102-SD-004 | SERVICE POLES. STEEL SERVICE POLE. DETAILS |
| D-OHC-F102-SD-005 | STOBIE POLES. STEEL/CONCRETE POLES. POLE DATA. OBSOLETE – FOR REFERENCE ONLY |
| D-OHC-F102-SD-006 | BUSCK POLES. PRE-STRESSED CONCRETE POLES. POLE DATA. 11m |
| D-OHC-F102-SD-007 | BUSCK POLES. PRE-STRESSED CONCRETE POLES. POLE DATA. 12.5m |
| D-OHC-F103-SD-001 | POLE HARDWARE. WASHER AND GAIN BLOCK REQUIREMENTS. TITAN AND WOOD POLES |
| D-OHC-F103-SD-002 | POLE USAGE. POLE SIZES FOR VARIOUS EQUIPMENT. TITAN AND WOOD POLES |
| D-OHC-F104-SD-001 | POLE FOUNDATIONS. ENCHANCED BACKFILL (EB). STANDARD FUNDATION |
| D-OHC-F104-SD-002 | POLE FOUNDATIONS. NATURAL BACKFILL (NB). EMERGENCY WOOD POLE REPLACEMENT |
| D-OHC-F104-SD-003 | POLE FOUNDATIONS. GRAVEL COLLAR (GC). REMEDIATIONS OR REINFORCEMENT |
| D-OHC-F104-SD-004 | POLE FOUNDATIONS. HARD HOLES. HAND OR EXCAVATOR DUG |
| D-OHC-F104-SD-005 | POLE FOUNDATIONS. CONCRETE (CO) |
| D-OHC-F104-SD-006 | POLE FOUNDATIONS. SOIL TYPES |
| D-OHC-F104-SD-007 | POLE FOUNDATIONS. TEMPORARY EXCAVATIONS NEAR POLES |
| D-OHC-F105-SD-001 | POLE BASE FITTINGS. GENERAL POSITIONING. ATTACHMENTS AT POLE BASE |
| D-OHC-F105-SD-002 | POLE BASE FITTINGS. ASSET IDENTIFICATION TAG. PLATE DETAILS |
| D-OHC-F105-SD-003 | POLE BASE FITTINGS. LOCAL POLE NUMBERS. PLATE DETAILS |
| D-OHC-F105-SD-004 | POLE BASE FITTINGS. STATION NUMBERS. SWITCHGEAR AND TRANSFORMER. PLATE DETAILS |
| D-OHC-F105-SD-005 | POLE BASE FITTINGS. POSSUM GUARDS. ATTACHMENT DETAILS |

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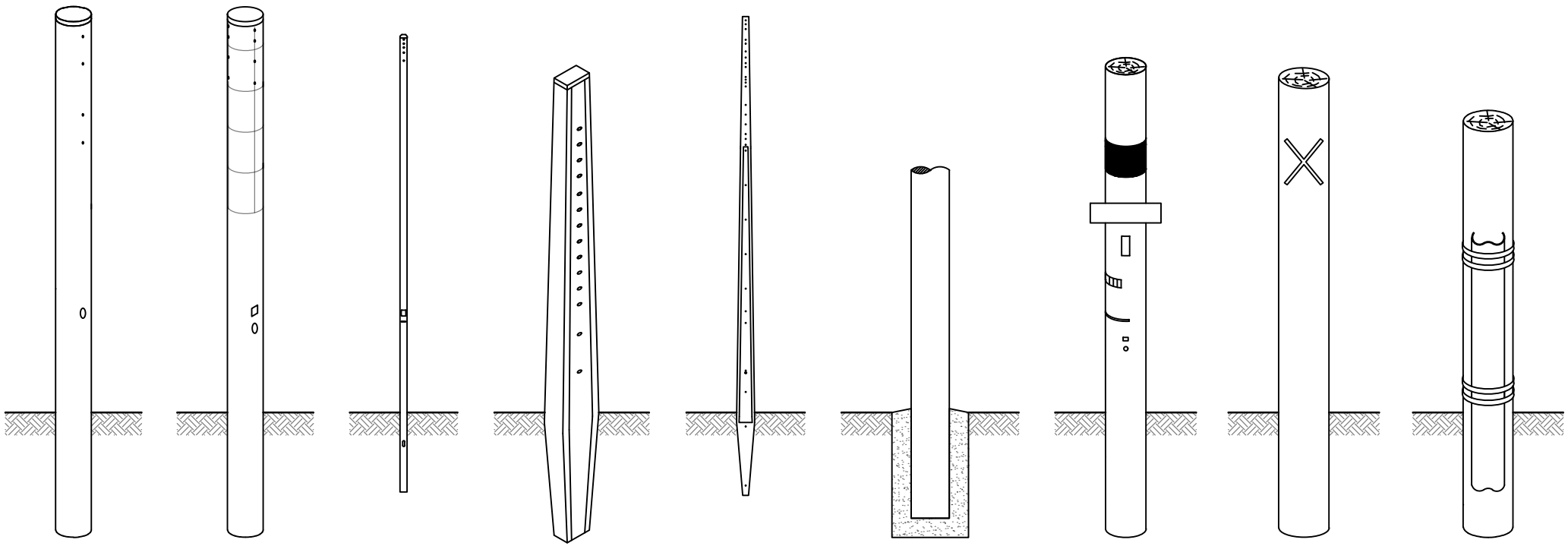
|---|---|
| D-OHC-F106-SD-001 | WOOD POLE REINSTATEMENT. UNSERVICEABLE WOOD POLES. CLASSIFICATION MARKING DETAILS |
| D-OHC-F106-SD-002 | WOOD POLE REINSTATEMENT. BANDED REINFORCING SYSTEM. GENERAL ARRANGEMENT |
| D-OHC-F106-SD-003 | WOOD POLE REINSTATEMENT. BANDED REINFORCING SYSTEM. RATINGS & DIMENSIONS |
| D-OHC-F106-SD-004 | WOOD POLE REINSTATEMENT. BANDED REINFORCING SYSTEM. TRUSS ORIENTATION |
| D-OHC-F106-SD-005 | WOOD POLE REINSTATEMENT. WOOD POLE REINSTATEMENT LABEL. PLATE DETAILS |
| D-OHC-F106-SD-006 | TITAN POLE REINSTATEMENT. REPAIR DETAILS |
| D-OHC-F106-SD-007 | STOBIE POLE REINSTATEMENT. REPAIR PLATES. ARRANGEMENT AND DETAILS |
| D-OHC-F107-SD-001 | POLE METALWORK COMPONENTS. POSSUM GUARD DETAILS & INSPECTION MARKER DETAILS |
| D-OHC-F107-SD-002 | POLE METALWORK COMPONENTS. POLE CAP DETAILS. DEVELOPMENT MAINS TAG DETAILS |



WOOD POLES

FIBRE REINFORCED CONCRETE POLES (STANDARD & EQUIPMENT)

STEEL SERVICE POLES

STEEL & CONCRETE POLES (STOBIE)

CONCRETE POLES (BUSCK)

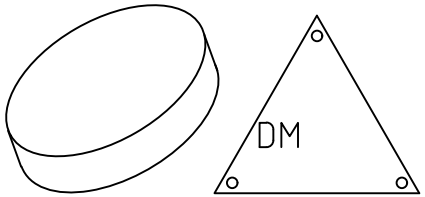
POLE FOUNDATIONS

POLE BASE FITTINGS

UNSERVICEABLE WOOD POLES

POLE REINSTATEMENT


IDENTIFICATION PLATES




METALWORK COMPONENTS

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

REFERENCE

NEW DRAWING: SUPERSEDES
D-OHC-K001-SD-001

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLES
GENERAL ASSEMBLIES

SCALE: NTS

A4

D - OHC - F100 - SD - 001

REVISION: B

EMF/PDF CREATION DATE 80/05/2026

BM DWG NO D-OHC-F100-SD-001

BM REV B

DWG STATUS STANDARD

NOTES:

1. S3 GRADE TIMBERS INCLUDE SPECIES MS, SB AND ST. S4 GRADE TIMBERS INCLUDE SPECIES AA, NL, MA AND MN. TIMBER SPECIES CAN BE DETERMINED FROM POLE IDENTIFICATION DISK. IF IN DOUBT AS TO SPECIES OR GRADE, ASSUME S4.
2. MINIMUM SINKING DEPTHS APPLY FOR POLES THAT ARE EITHER VERY LIGHTLY LOADED OR IN GROUND SUCH AS ROCK OR HARD CLAY.
3. MINIMUM SINKING DEPTHS APPLY WHEN FOUNDATION IS COMPACTED AT LEAST EVERY 500mm.
4. ENGINEERING / DESIGN MAY SPECIFY DIFFERENT FOUNDATIONS BASED ON ACTUAL POLE TIP LOAD AND SOIL CONDITIONS.

| LENGTH (m) | NOMINAL WORKING STRESS (kN) | NOMINAL BREAKING LOAD (kN) | STOCK ITEM NO. | S3 GRADE TIMBER | | S4 GRADE TIMBER | | APPROX. DRY MASS (kg) | MIN. SINKING DEPTH (m) WITH FCR AND NO DRUM | **MIN. SINKING DEPTH (m) WITH NATURAL BACKFILL** OR DRUM FOUNDATION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | MIN. DIA. TIP (mm) | MIN. DIA. 2m FROM BUTT (mm) | MIN. DIA. TIP (mm) | MIN. DIA. 2m FROM BUTT (mm) | | | |
| 9.5 | 4 | 17 | 325223 | 209 | 280 | 234 | 305 | 554 | 1.55 | 2.05 |
| | 6 | 25 | 325224 | 249 | 320 | 279 | 350 | 746 | 1.55 | 2.05 |
| | 8 | 33 | 325225 | 279 | 350 | 314 | 385 | 916 | 1.55 | 2.05 |
| 11 | 4 | 17 | 325232 | 208 | 293 | 236 | 320 | 681 | 1.70 | 2.20 |
| | 6 | 25 | 325233 | 251 | 335 | 286 | 370 | 937 | 1.70 | 2.20 |
| | 8 | 33 | 325234 | 286 | 370 | 321 | 405 | 1142 | 1.70 | 2.20 |
| 12.5 | 4 | 17 | 325240 | 215 | 310 | 245 | 340 | 853 | 1.85 | 2.35 |
| | 6 | 25 | 325241 | 260 | 355 | 280 | 385 | 1094 | 1.85 | 2.35 |
| | 8 | 33 | 325242 | 295 | 390 | 330 | 425 | 1400 | 1.85 | 2.35 |
| 14 | 4 | 17 | 325248 | 217 | 325 | 242 | 350 | 978 | 2.00 | 2.50 |
| | 6 | 25 | 325249 | 262 | 370 | 297 | 405 | 1361 | 2.00 | 2.50 |
| | 8 | 33 | 325250 | 297 | 405 | 337 | 445 | 1680 | 2.00 | 2.50 |
| 15.5 | 6 | 25 | 325261 | 266 | 385 | 301 | 420 | 1587 | 2.15 | 2.65 |
| | 8 | 33 | 325262 | 306 | 425 | 341 | 460 | 1949 | 2.15 | 2.65 |
| | 10 | 42 | 325263 | 336 | 455 | 376 | 495 | 2244 | 2.15 | 2.65 |

ALTERATIONS

ORIGINAL ISSUE

REFERENCE

NEW DRAWING

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE

STANDARD WOOD POLES
PRESSURE IMPREGNATED HARDWOOD POLES
CURRENT SPECIFICATIONS

SCALE: NTS

A4

D - OHC - F101 - SD - 001

REVISION: B

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F101-SD-001

BM REV B

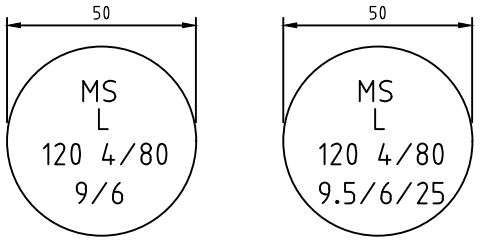
DWG STATUS STANDARD

## NOTES FOR POLE IDENTIFICATION DISC MARKING:

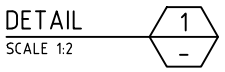
LETTERS ARE 6mm NOMINAL HEIGHT

MATERIAL: AL ALLOY (ANODISED IN CCA TREATED POLES)

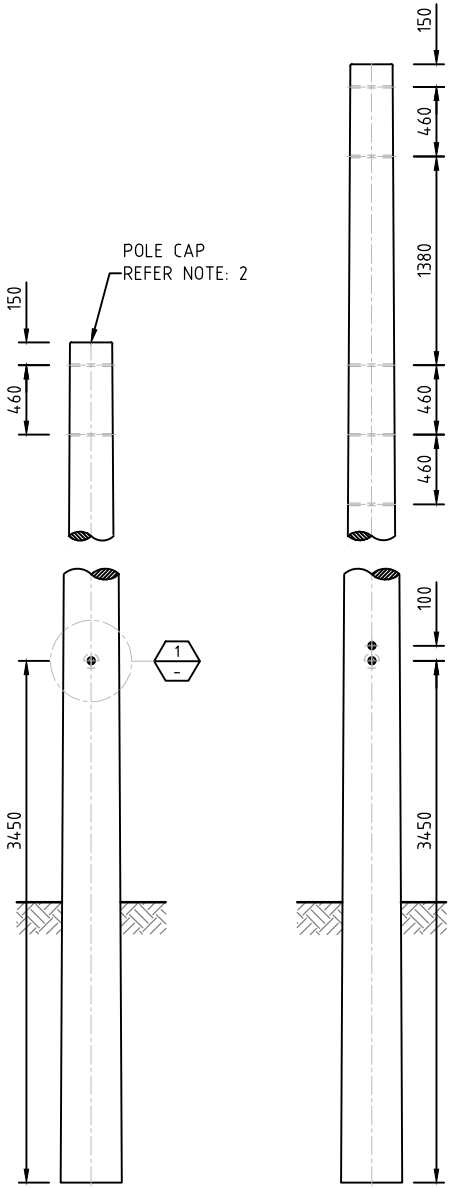
DETAILS REQUIRED:
- TIMBER SPECIES (SEE TABLE BELOW)
- TREATMENT PLANT IDENTIFICATION
- IMPREGNATION BATCH No. MONTH/YEAR
- POLE LENGTH (m)/NOMINAL WORKING LOAD (kN)/NOMINAL BREAKING LOAD (kN)



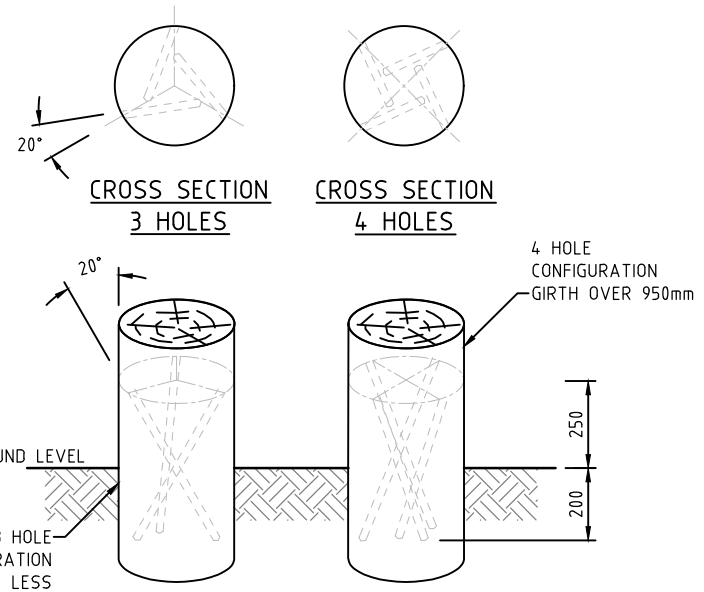

OLD SIZES NEW SIZES




POLE IDENTIFICATION DISC




POLE UNDER 9.5m 9.5m POLE




CROSS SECTION 3 HOLES CROSS SECTION 4 HOLES

POLESAVER RODS

| SPECIES BRAND | SPECIES | STRENGTH CLASS |
|---|---|---|
| MS | MESSMATE | S3 |
| AA | ALPINE ASH | S4 |
| NL | NARROW-LEAVED PEPPERMINT | S4 |
| MA | MOUNTAIN ASH | S4 |
| SB | SOUTHERN BLUE GUM | S3 |
| MN | MANNA GUM | S4 |
| ST | SILVERTOP ASH | S3 |

## NOTES:

1. POLE ENDS CUT SQUARE TO SPECIFIED LENGTH.
2. ALL POLE HEADS TO BE FITTED WITH STANDARD POLE CAP SIZE TO SUIT. FIX WITH SIX STAINLESS STEEL M5 45mm BUTTON HEAD SELF DRILLING SCREWS OR EQUIVALENT.
3. ALL HOLES TO BE DIA. 22 THROUGH CENTRELINE.
4. BORE DIA. 50mm HOLE 12mm DEEP AT 3450mm FROM THE POLE BUTT AND INSERT POLE IDENTIFICATION DISC.
5. POLESAVER RODS INSTALLATION. IN POLES WITH A CIRCUMFERENCE OF UP TO 950mm: DRILL THREE EQUALLY SPACED ABAXIAL HOLES OF DIA. 16mm AT ABOUT 20° TO THE VERTICAL INTO EACH POLE, EACH HOLE STARTING ABOUT 150mm ABOVE GROUNDLINE, EXTENDING TO APPROXIMATELY 300mm BELOW GROUNDLINE (TOTAL LENGTH 420 - 450mm).
   IN POLES WITH A CIRCUMFERENCE GREATER THAN 950mm. DRILL 4 HOLES.
   INSERT 3 PRESCHEM POLESAVER RODS INTO EACH HOLE.
   SCREW A TAPERED PLUG INTO EACH HOLE, FLUSH TO THE POLE SURFACE.
6. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS: ORIGINAL ISSUE

EMF/PDF CREATION DATE 18/12/2025

REFERENCE

NEW DRAWING: SUPERSEDES D-OHC-K007-SD-001

TasNetworks

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|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: STANDARD WOOD POLES
PRESSURE IMPREGNATED HARDWOOD POLES
DRILLING AND FITOUT DIMENSIONS

SCALE: NTS
A4
REVISION: B

D - OHC - F101 - SD - 002

BM DWG NO D-OHC-F101-SD-002 BM REV B

DWG STATUS STANDARD

## TITAN POLES

THESE ARE HOLLOW, ROUND, FIBRE-REINFORCED SPUN CONCRETE CONSTRUCTION, MANUFACTURED BY DULHUNTY POLES. THEY ARE NON-CONDUCTIVE, FIRE-RESISTANT, AND IMPERVIOUS TO DECAY.
POLES OF 14m LENGTH OR MORE COMPRISE TWO PIECES, NORMALLY SUPPLIED ASSEMBLED FOR TASNETWORKS.
POLES 12.5m AND LESS ARE A SINGLE PIECE.

## SPECIAL CONSIDERATIONS

- FOUNDATION MATERIAL IN CONTACT WITH TITAN POLES SHALL BE FREE OF ROCKS (FRC PREFERRED).
- SPECIAL CARE IS REQUIRED WHEN TRANSPORTING, DRILLING AND ATTACHING TO TITAN POLES.
- TO SPREAD LOAD AND PREVENT CRUSHING OF THE HOLLOW POLE, LARGE CURVED WASHERS OR GAIN BLOCKS MUST BE USED WHERE CONSTRUCTIONS WITH HEAVY LOADS ATTACH TO THE POLE. VOLUTE WASHERS ARE NOT REQUIRED AS WITH WOOD POLES.
- GENERALLY, NO HOLES ARE ALLOWED IN THE LOWER THIRD OF THE POLE, AND HOLE NUMBERS/PLACEMENT IN MID AND UPPER SECTIONS SHALL BE LIMITED AS SHOWN BELOW. ANY PROPOSED DEVIATIONS FROM THIS SHALL BE REFERRED TO ASSET ENGINEERING OR DULHUNTY POLES PTY LTD. (HOLES FOR SUPPORTING TRANSFORMER OR REGULATOR PLATFORMS, CABLE, OR CONDUIT ATTACHMENTS OR MINOR TEK SCREWS ARE ACCEPTABLE.)

## TOP 1/3 OF POLE

- MIN. VERTICAL SPACING BETWEEN HOLE SETS SHALL BE 200mm.
- MAX. OF 3 HOLES IN A CIRCUMFERENCE AT SAME VERTICAL LEVEL OF POLE.
- MAX. HOLE DIAMETER 38mm.

## MID 1/3 OF POLE

- MAX. 2 HOLES IN CIRCUMFERENCE AT SAME VERTICAL LEVEL OF POLE.
- MIN. VERTICAL SPACING BETWEEN HOLE SETS 200mm.
- MAX. HOLE DIAMETER ANY HOLE 38mm, MAX. NUMBER HOLES > 26mm = 2
- MIN. VERTICAL SPACING FOR HOLES > 26mm = 1000mm

## POLE IDENTIFICATION

THE METAL TAGS ARE 75mm x 50mm AND PLACED 2m ABOVE THE NOMINAL GROUNDLINE OF THE POLE AND ANOTHER ON THE BUTT. THE INFORMATION INCLUDED ON THE ID TAG IS:

- MANUFACTURER
- POLE LENGTH
- POLE ULTIMATE STRENGTH
- PRODUCT CODE
- MONTH AND YEAR OF MANUFACTURE
- NAME OF CUSTOMER
- WEIGHT
- SERIAL NUMBER

ATTACH TASNETWORKS POLE ID. WITH SILICONE ADHESIVE OR SCREWS.


| LENGTH | STRENGTH | | STOCK ITEM NUMBER | MFR PRODUCT CODE | MIN. SINKING DEPTH | DIAMETER | | | TYP. WEIGHT | MAX. WEIGHT |
|---|---|---|---|---|---|---|---|---|---|---|
| | WS | ULT | | | | TIP | GL | BUTT | | |
| (m) | (kN) | (kN) | | | (m) | (mm) | (mm) | (mm) | (kg) | (kg) |
| 12.5 | 8 | 16 | 325002 | P12516HTT1M | 1.85 | 315 | 434 | 460 | 650 | 700 |
| | 12 | 24 | 325003 | P12524HTT1M | | 325 | 452 | 480 | 880 | 950 |
| 14 | 8 | 16 | 325004 | P14016HTT2M | 2.00 | 315 | 409 | 438 | 950 | 1000 |
| | 12 | 24 | 325005 | P14024HTT2M | | 325 | 377 | 438 | 1160 | 1250 |
| 15.5 | 12 | 24 | 325006 | P15524HTT2M | 2.15 | 325 | 412 | 465 | 1425 | 1500 |

ALTERATIONS
ORIGINAL ISSUE

REFERENCE
NEW DRAWING

TasNetworks

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|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



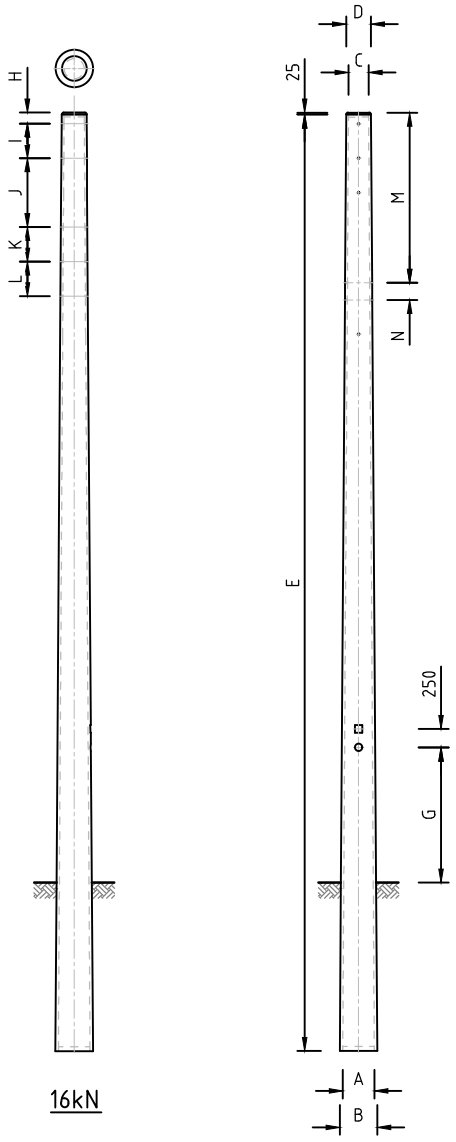
TITLE: TITAN POLES
FIBRE REINFORCED CONCRETE POLES
SPECIAL CONSIDERATIONS
CURRENT SPECIFICATIONS

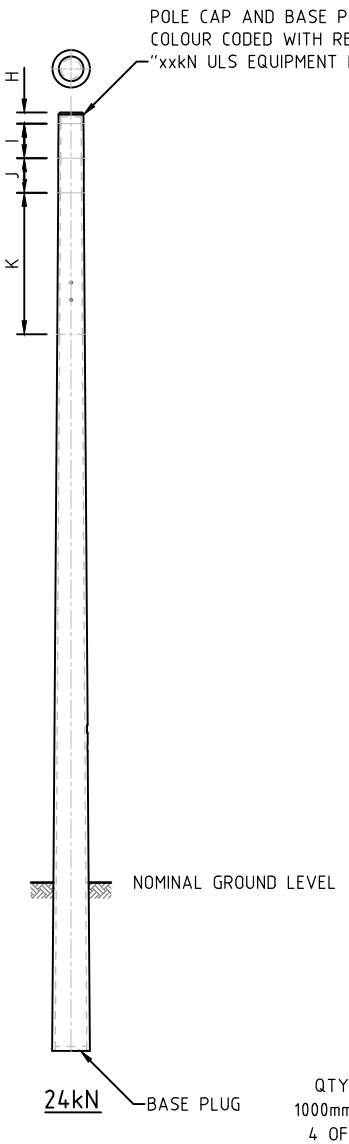
SCALE: NTS
A4
REVISION: B

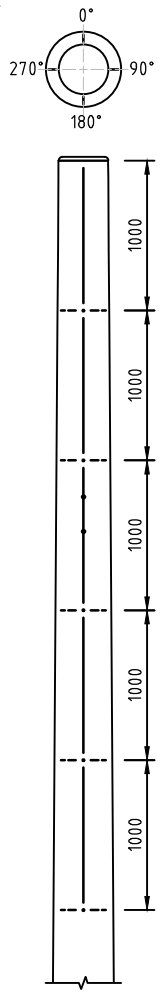
D - OHC - F102 - SD - 001

EMF/PDF CREATION DATE 18/12/2025
BM DWG NO D-OHC-F102-SD-001
BM REV B

DWG STATUS STANDARD




NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| SECTION | DESCRIPTION | 16kN ULS | 24kN ULS |
|---|---|---|---|
| SINGLE PIECE POLE | BASE DIA. INTERNAL "A" | 420mm | 420mm |
| | BASE DIA. EXTERNAL "B" | 460mm | 500mm |
| | TIP DIA. INTERNAL "C" | 268mm | 268mm |
| | TIP DIA. EXTERNAL "D" | 315mm | 330mm |
| | LENGTH "E" | 12500mm | 12500mm |
| ASSEMBLY | GROUND TO RFID "G" | 1800mm | 1800mm |
| | HOLE PATTERN DIM. "H" | 150mm | 150mm |
| | HOLE PATTERN DIM. "I" | 460mm | 460mm |
| | HOLE PATTERN DIM. "J" | 920mm | 460mm |
| | HOLE PATTERN DIM. "K" | 460mm | 1890mm |
| | HOLE PATTERN DIM. "L" | 460mm | N/A |
| | HOLE PATTERN DIM. "M" | N/A | 2270mm |
| | HOLE PATTERN DIM. "N" | N/A | 230mm |
| SPECIFICATIONS | POLE LENGTH | 12.5m | 12.5m |
| | ULTIMATE LOAD RATING | 16kN | 24kN |
| | PIECES | 1 | 1 |
| | MAXIMUM WEIGHT | 700kg | 950kg |

## MARKINGS

QTY 5 OFF MARKED DOTS EQUI-SPACED @ 1000mm PITCH IN 4 PLANES CENTRED WITH QTY 4 OFF VERTICALLY MARKED LINES RADIALLY EQUI-SPACED @ 0°, 90°, 180° & 270°.

ALTERATIONS: ORIGINAL ISSUE

REFERENCE: NEW DRAWING

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOKYZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: TITAN POLES
FIBRE REINFORCED CONCRETE POLES
12.5m SINGLE-PIECE POLES
DRILLING AND FITOUT DIMENSIONS

SCALE: NTS

A4

D - OHC - F102 - SD - 002

REVISION: B

EMF/PDF CREATION DATE 18/12/2025

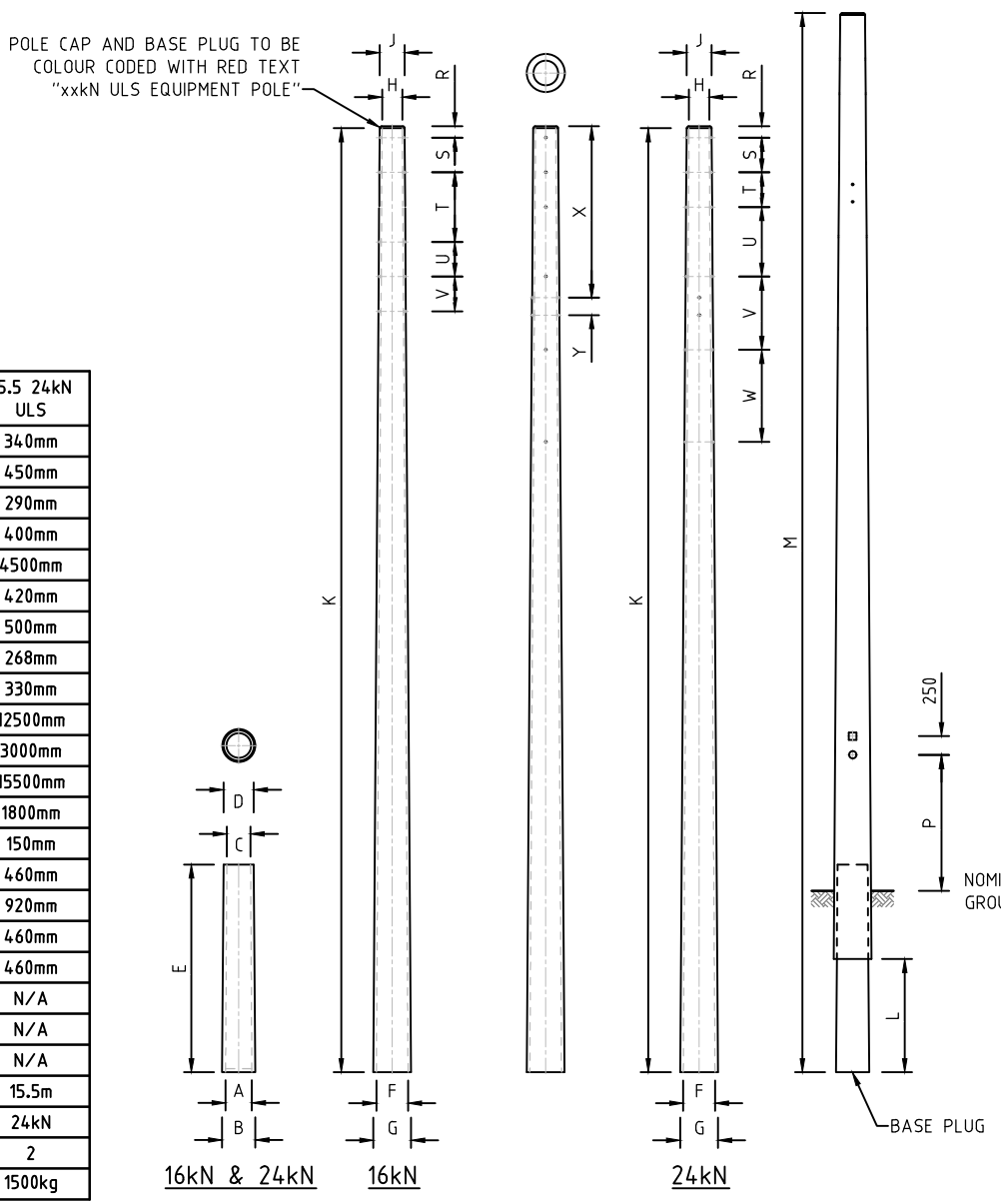
BM DWG NO D-OHC-F102-SD-002 BM REV B

DWG STATUS STANDARD

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| SECTION | DESCRIPTION | 14m 16kN ULS | 14m 24kN ULS | 15.5 24kN ULS |
|---|---|---|---|---|
| BASE | BASE DIA. INTERNAL 'A' | 347mm | 347mm | 340mm |
| | BASE DIA. EXTERNAL 'B' | 438mm | 438mm | 450mm |
| | TIP DIA. INTERNAL 'C' | 315mm | 288mm | 290mm |
| | TIP DIA. EXTERNAL 'D' | 405mm | 368mm | 400mm |
| | LENGTH 'E' | 2750mm | 2750mm | 4500mm |
| TOP | BASE DIA. INTERNAL 'F' | 475mm | 420mm | 420mm |
| | BASE DIA. EXTERNAL 'G' | 315mm | 485mm | 500mm |
| | TIP DIA. INTERNAL 'H' | 268mm | 268mm | 268mm |
| | TIP DIA. EXTERNAL 'J' | 330mm | 330mm | 330mm |
| | LENGTH 'K' | 12500mm | 12500mm | 12500mm |
| ASSEMBLY | BASE TO JOINT 'L' | 1500mm | 1500mm | 3000mm |
| | ASSEMBLED LENGTH 'M' | 14000mm | 14000mm | 15500mm |
| | GROUND TO RFID 'P' | 1800mm | 1800mm | 1800mm |
| | HOLE PATTERN DIM. 'R' | 150mm | 150mm | 150mm |
| | HOLE PATTERN DIM. 'S' | 460mm | 460mm | 460mm |
| | HOLE PATTERN DIM. 'T' | 920mm | 460mm | 920mm |
| | HOLE PATTERN DIM. 'U' | 460mm | 920mm | 460mm |
| | HOLE PATTERN DIM. 'V' | 460mm | 970mm | 460mm |
| | HOLE PATTERN DIM. 'W' | N/A | 1220mm | N/A |
| | HOLE PATTERN DIM. 'X' | N/A | 2270mm | N/A |
| | HOLE PATTERN DIM. 'Y' | N/A | 230mm | N/A |
| SPECIFICATIONS | POLE LENGTH | 14m | 14m | 15.5m |
| | ULTIMATE LOAD | 16kN | 24kN | 24kN |
| | PIECES | 2 | 2 | 2 |
| | MAXIMUM WEIGHT | 1000kg | 1250kg | 1500kg |




## MARKINGS

QTY 5 OFF MARKED DOTS EQUI-SPACED @ 1000mm PITCH IN 4 PLANES ENTERED WITH QTY 4 OFF VERTICALLY MARKED LINES RADIALLY EQUI-SPACED @ 0°, 90°, 180° & 270°.

| ALTERATIONS | REFERENCE |
|---|---|
| ORIGINAL ISSUE | NEW DRAWING |

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOYZYKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: TITAN POLES
FIBRE REINFORCED CONCRETE POLES
14m & 15.5m TWO-PIECE POLES
DRILLING AND FITOUT DIMENSIONS

SCALE: NTS

A4

D - OHC - F102 - SD - 003

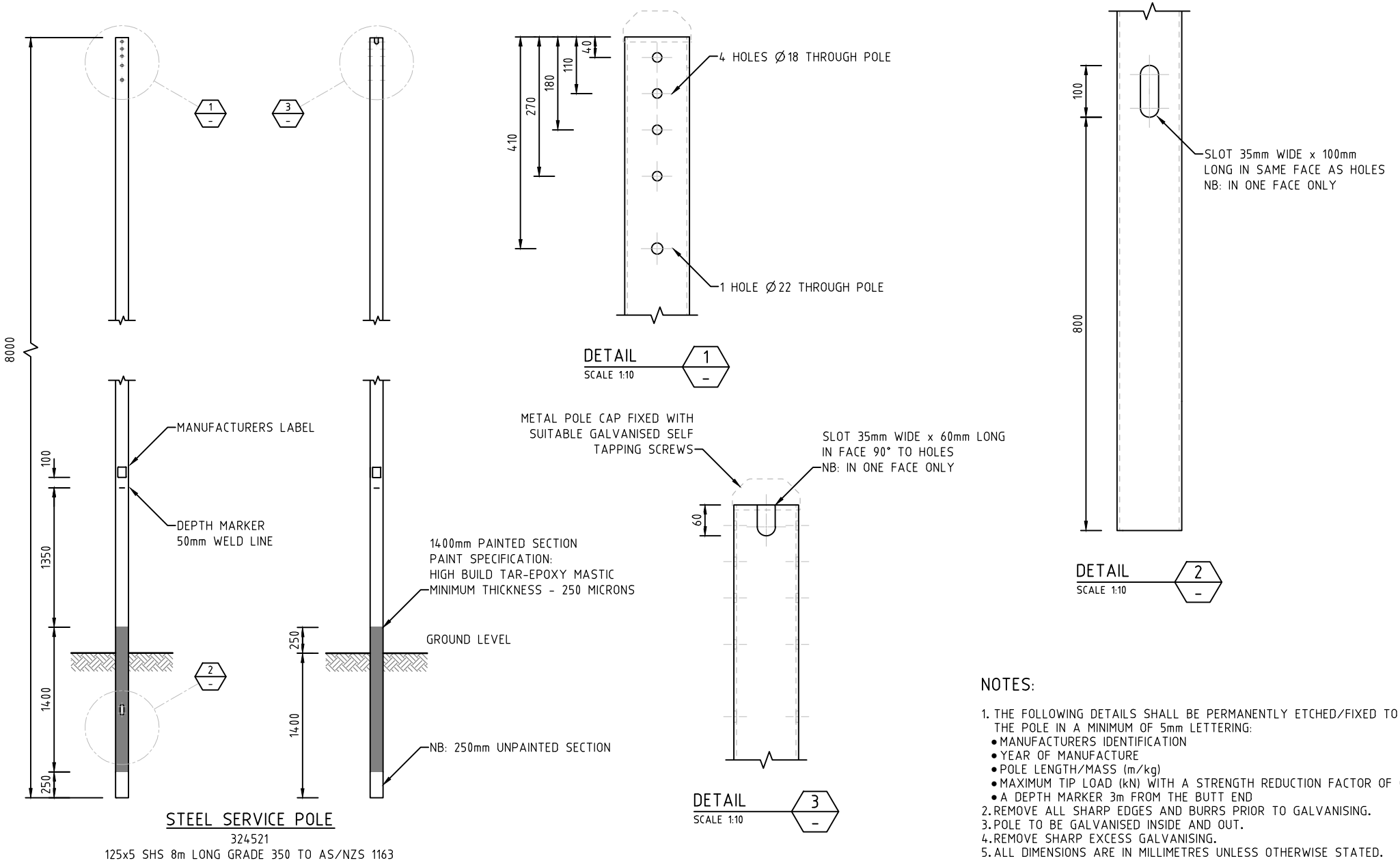
REVISION: C

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F102-SD-003

BM REV C

DWG STATUS STANDARD




## STEEL SERVICE POLE

324521

125x5 SHS 8m LONG GRADE 350 TO AS/NZS 1163

### NOTES:

1. THE FOLLOWING DETAILS SHALL BE PERMANENTLY ETCHED/FIXED TO THE POLE IN A MINIMUM OF 5mm LETTERING:
   - MANUFACTURERS IDENTIFICATION
   - YEAR OF MANUFACTURE
   - POLE LENGTH/MASS (m/kg)
   - MAXIMUM TIP LOAD (kN) WITH A STRENGTH REDUCTION FACTOR OF 0.9
   - A DEPTH MARKER 3m FROM THE BUTT END
2. REMOVE ALL SHARP EDGES AND BURRS PRIOR TO GALVANISING.
3. POLE TO BE GALVANISED INSIDE AND OUT.
4. REMOVE SHARP EXCESS GALVANISING.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F102-SD-004

BM REV A

ALTERATIONS | ORIGINAL ISSUE

REFERENCE

NEW DRAWING: SUPERSEDES D-OHC-A021-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOYZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: SERVICE POLES
STEEL SERVICE POLE
DETAILS

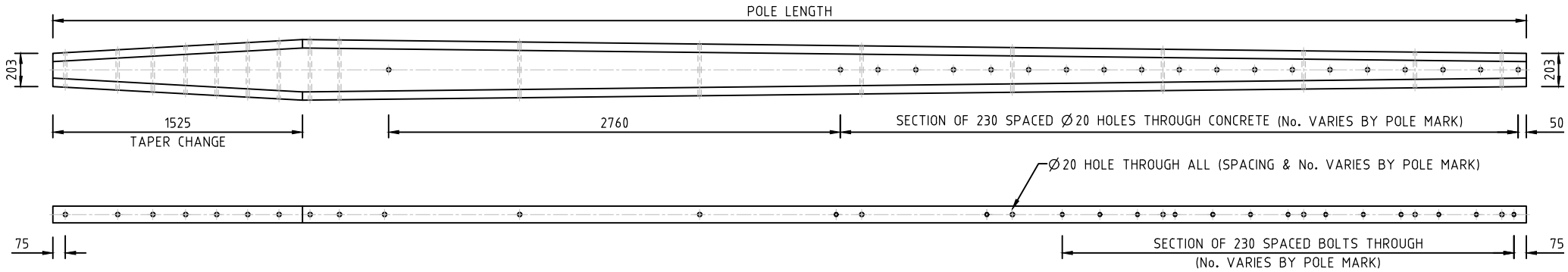
SCALE: NTS

A4

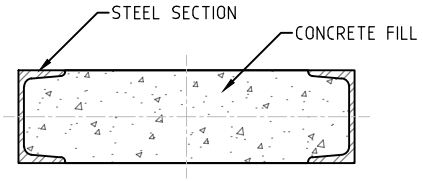
D - OHC - F102 - SD - 004

REVISION: A

DWG STATUS STANDARD




## TYPICAL STOBIE POLE DIMENSIONS




TYPICAL CROSS-SECTION

## TYPICAL STOBIE POLE CONSTRUCTION

THE STOBIE POLE CONSISTS OF TWO ROLLED STEELS SECTIONS WITH CONCRETE IN-FILL. THE STEEL SECTIONS ARE CONSIDERED TO CARRY THE FULL BENDING AND COMPREHENSIVE LOADS. THE CONCRETE AND BOLTS BETWEEN THE STEEL SECTIONS PROVIDE RESTRAINT AGAINST BUCKLING OF THE STEEL SECTIONS UNDER COMPRESSIVE LOAD. THE BOLTS ALSO SERVE TO TRANSMIT SHEAR LOADS FROM THE STEEL TO THE CONCRETE.

THE LONG (MAJOR) AXIS OF THE POLE SHOULD BE ORIENTED IN THE DIRECTION OF THE RESULTANT TIP LOAD. THUS, FOR TERMINATION OR STRAIN POLES, THE LONG AXIS IS ALIGNED WITH THE LINE CONDUCTORS, BUT FOR INTERMEDIATE POLES, THE LONG AXIS IS SET AT RIGHT ANGLES TO THE LINE CONDUCTORS.

| MARK No. | POLE LENGTH (m) | STEEL SECTION (mm) | MASS (kg) | APPROX. CoG. (m) | EMBEDMENT (mm) | MAX. WIND LS TIP LOAD CAPACITY (kN) | |
|---|---|---|---|---|---|---|---|
| | | | | | | MAJOR AXIS | MINOR AXIS |
| 1 | 9 | 102x51 TFB | 830 | 4.2 | 1600 | 13.00 | 2.6 |
| 3 | 9 | 127x64 TFB | 1100 | 4.2 | 1700 | 18.00 | 4.8 |
| 7 | 10.5 | 127x64 TFB | 1375 | 4.8 | 1700 | 17.1 | 5.9 |
| 11 | 10.5 | 152x76 TFB | 1635 | 4.8 | 1800 | 20.8 | 5.9 |
| 16 | 12 | 152x76 TFB | 1850 | 5.5 | 2000 | 18.9 | 5.2 |
| 20 | 13 | 152x76 TFB | 1980 | 6 | 2000 | 18.0 | 4.8 |

NOTES:

1. THE TABLE APPLIES TO THE EXISTING STOBIE POLES WITHIN TASNETWORKS. PARAMETERS FOR ANY NEW STOBIE POLES TO BE USED SHOULD BE SOURCED FROM SA POWER NETWORKS.
2. SPECIAL EARTHING ARRANGEMENT MAY BE REQUIRED FOR HV CONDUCTIVE POLES. REFER EARTHING SECTION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS: ORIGINAL ISSUE

REFERENCE

NEW DRAWING: SUPERSEDES
D-OHC-K004-SD-001

TasNetworks

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|---|---|
| DRAWN | AMSS |
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| DESIGNED BY | T.JOWZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: STOBIE POLES
STEEL / CONCRETE POLES
POLE DATA
OBSOLETE - FOR REFERENCE ONLY

SCALE: NTS

A4

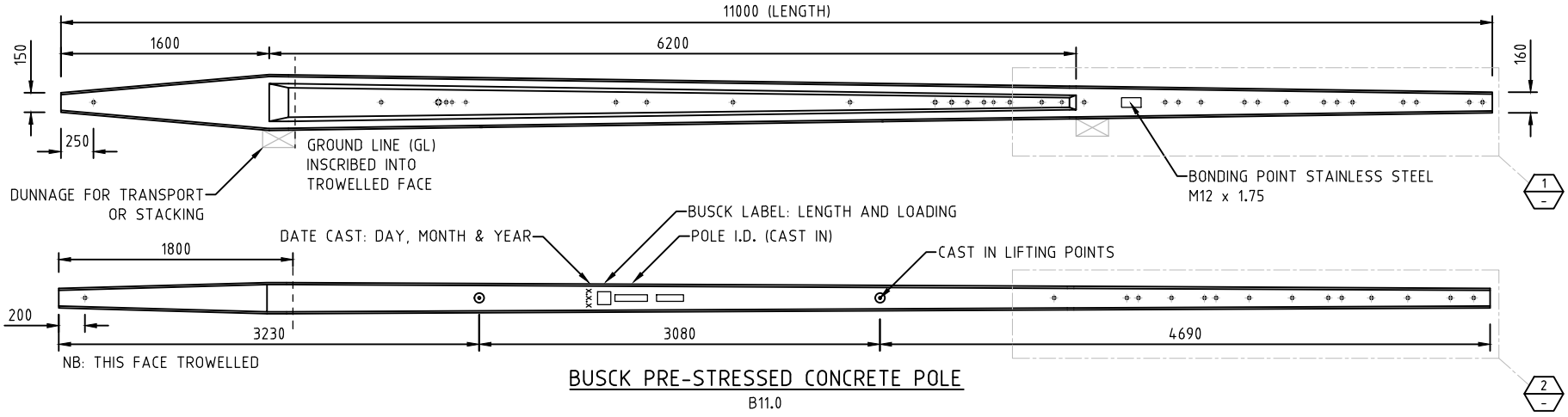
D - OHC - F102 - SD - 005

REVISION: B

EMF/PDF CREATION DATE 18/12/2025

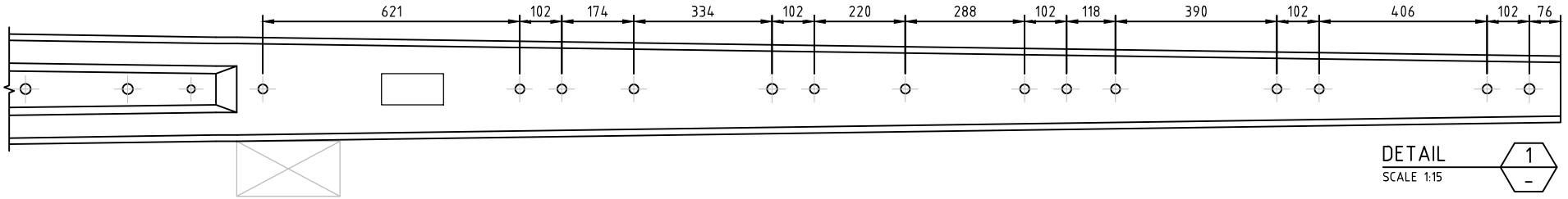
BM DWG NO D-OHC-F102-SD-005 BM REV B

DWG STATUS STANDARD

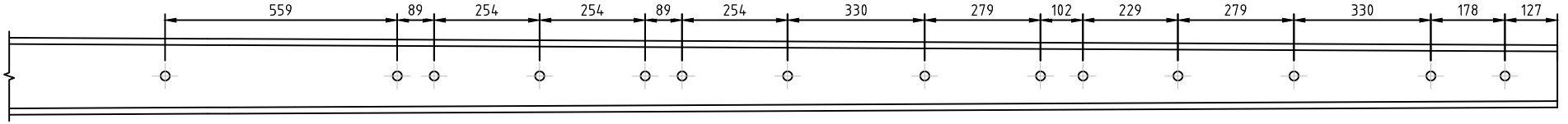



## BUSCK PRE-STRESSED CONCRETE POLE

B11.0




DETAIL 1 – SCALE 1:15




DETAIL 2 – SCALE 1:15

| PART No. | POLE LENGTH (m) | HEIGHT ABOVE GL (m) | TIP LOAD ULS ACROSS LINE (kN) | TIP LOAD ULS ALONG LINE (kN) | MASS (kg) |
|---|---|---|---|---|---|
| B11.0 | 11.0 | 9.2 | 22 | 8 | 1290 |

NOTES:

1. STACKING: POLES ARE TO BE STACKED AND TRANSPORTED ON TIMBER DUNNAGE IN THE LOCATION AND AT THE TOLERANCE SHOWN ON VENDOR DRAWINGS. IN STACKS OF POLES, DUNNAGE MUST ALL BE DIRECTLY ABOVE THE BLOCKS UNDER THE BOTTOM POLE.
2. THE WIDE FACE AXIS MUST ALWAYS BE KEPT VERTICAL WHILE THE POLE IS LAYING ON THE GROUND OR TRUCKS. POLES MUST NOT BE STACKED OR HANDLED WITH THEIR WIDE FACE LAYING DOWN FLAT.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS | ORIGINAL ISSUE

REFERENCE: NEW DRAWING

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: BUSCK POLES
PRE-STRESSED CONCRETE POLES
POLE DATA
11.0m

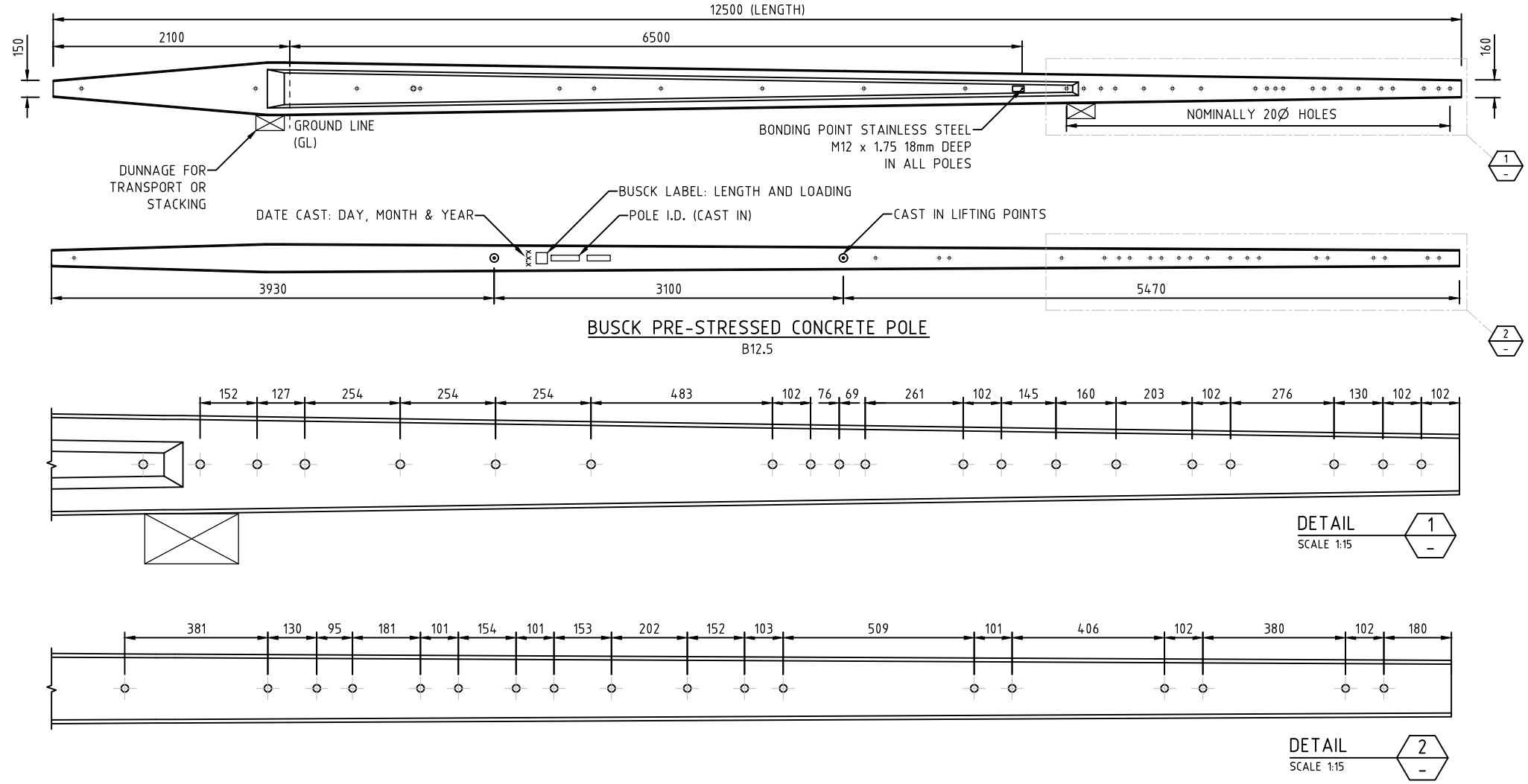
SCALE: NTS
A4
REVISION: A

D – OHC – F102 – SD – 006

EMF/PDF CREATION DATE 23/03/2026

BM DWG NO D-OHC-F102-SD-006 BM REV A

DWG STATUS STANDARD




# BUSCK PRE-STRESSED CONCRETE POLE

B12.5

DETAIL 1 – SCALE 1:15

DETAIL 2 – SCALE 1:15

| PART No. | POLE LENGTH (m) | HEIGHT ABOVE GL (m) | TIP LOAD ULS ACROSS LINE (kN) | TIP LOAD ULS ALONG LINE (kN) | MASS (kg) |
|---|---|---|---|---|---|
| B12.5 | 12.5 | 10.4 | 22 | 7 | 1600 |

NOTES:

1. STACKING: POLES ARE TO BE STACKED AND TRANSPORTED ON TIMBER DUNNAGE IN THE LOCATION AND AT THE TOLERANCE SHOWN ON VENDOR DRAWINGS. IN STACKS OF POLES, DUNNAGE MUST ALL BE DIRECTLY ABOVE THE BLOCKS UNDER THE BOTTOM POLE.
2. THE WIDE FACE AXIS MUST ALWAYS BE KEPT VERTICAL WHILE THE POLE IS LAYING ON THE GROUND OR TRUCKS. POLES MUST NOT BE STACKED OR HANDLED WITH THEIR WIDE FACE LAYING DOWN FLAT.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS: ORIGINAL ISSUE

REFERENCE: NEW DRAWING

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: BUSCK POLES
PRE-STRESSED CONCRETE POLES
POLE DATA
12.5m

SCALE: NTS

A4

D – OHC – F102 – SD – 007

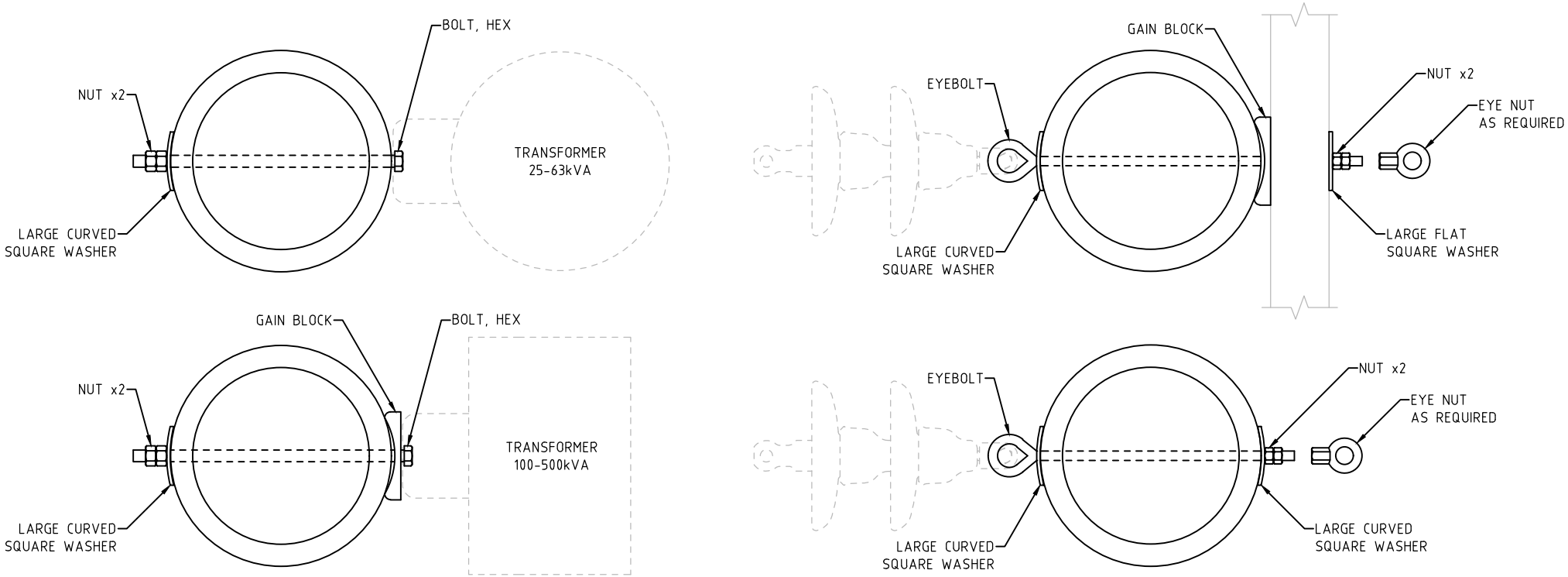
REVISION: A

EMF/PDF CREATION DATE 23/03/2026

BM DWG NO D-OHC-F102-SD-007

BM REV A

DWG STATUS STANDARD




| NOTE: THIS TABLE APPLIES TO BOTH TITAN AND WOOD POLES | | |
|---|---|---|
| ATTACHMENT TYPE | APPLICATION | DESCRIPTION |
| EYEBOLT OR KINGBOLT | STAY ATTACHMENT, ABC OR BARE CONDUCTOR STRAIN OR DEADEND ATTACHED TO POLE | 100x100mm CURVED SQUARE WASHER (LARGE) |
| EYEBOLT OR KINGBOLT | FRP CROSSARM AND RISER MOUNTING | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE 50mm FLAT ROUND WASHER CROSSARM FACE 125x125mm GAIN BLOCK BETWEEN CROSSARM AND POLE |
| CROSSARM STRAPS | CROSSARM SUPPORT STRAP | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE 50mm FLAT ROUND WASHER ON BACK SIDE OF CROSSARM |
| LARGE TRANSFORMER BOLTS | 100-500kVA TRANSFORMER MOUNTING | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE 125x125mm GAIN BLOCK BETWEEN TRANSFORMER HANGING BRACKETS AND POLE |
| SMALL TRANSFORMER BOLTS | 25-63kVA TRANSFORMER MOUNTING | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE TRANSFORMER HANGING BRACKETS FLUSH ON POLE (NO GAIN BLOCKS) |
| HEAVY EQUIPMENT PLATFORM | VOLTAGE REGULATORS AND SPECIAL CASE TRANSFORMER MOUNTING | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE 125x125mm GAIN BLOCK BETWEEN PLATFORM AND POLE) |
| SWITCHGEAR | RECLOSERS, LOAD BREAK SWITCHES | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE |
| M16 HEX. BOLTS | STRAPS AND BRACKETS | 100x100mm CURVED SQUARE WASHER (LARGE) BACK SIDE OF POLE STRAPS AND BRACKETS FLUSH ON POLE (NO GAIN BLOCKS) |
| CONTROL CUBICLES | VOLTAGE REGULATORS, RECLOSERS, LOAD BREAK SWITCHES | 100x100mm CURVED SQUARE WASHER BACK SIDE OF POLE |
| SWITCHGEAR | AIR BREAK SWITCHES | 50mm FLAT ROUND WASHER |

ALTERATIONS

ORIGINAL ISSUE

REFERENCE

NEW DRAWING

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE

POLE HARDWARE
WASHER AND GAIN BLOCK REQUIREMENTS
TITAN AND WOOD POLES

SCALE: NTS

A4

D - OHC - F103 - SD - 001

REVISION: B

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F103-SD-001

BM REV B

DWG STATUS STANDARD

| SCENARIO FOR NEW TRANSFORMER INSTALLATIONS | MINIMUM POLE TYPE AND RATING |
|---|---|
| 25kVA 1-PHASE TRANSFORMER ON EXISTING POLE | WOOD POLE 4kN WS / 17kN NBL. |
| 25-63kVA 3-PHASE TRANSFORMER ON EXISTING POLE | WOOD POLE 4kN WS / 17kN NBL. |
| 100kVA 3-PHASE TRANSFORMER ON EXISTING POLE | WOOD POLE 6kN WS / 25kN NBL. |
| 200-500kVA 3-PHASE TRANSFORMERS ON EXISTING POLE | WOOD POLE 8kN WS / 33kN NBL. |
| 25-63kVA 3-PHASE TRANSFORMER ON NEW POLE | WOOD POLE 6kN WS / 25kN NBL. |
| 100, 200, 315 AND 500kVA TRANSFORMER ON NEW POLE | WOOD POLE 8kN WS / 33kN NBL. |
| 200, 315 & 500kVA TRANSFORMER ON NEW POLE | PREFERRED - TITAN POLE 24kN ULS / EQUIPMENT POLE |

| SCENARIO FOR NEW SWITCHGEAR INSTALLATIONS | MINIMUM POLE TYPE AND RATING |
|---|---|
| ABS, LBS, RECLOSER ON EXISTING POLE | WOOD POLE 4kN WS / 17kN NBL. |
| ABS, LBS, RECLOSER ON NEW POLE | WOOD POLE 6kN WS / 25kN NBL. |
| ABS, LBS, RECLOSER ON NEW POLE | TITAN POLE 16kN ULS POLE. |
| OLDER RECLOSER ON NEW POLE | WOOD POLE 8kN WS / 33kN NBL. |
| POLE MOUNTED REGULATORS ON EXISTING POLE | WOOD POLE 8kN WS / 33kN NBL. |
| POLE MOUNTED REGULATORS ON NEW POLE | TITAN POLE 24kN ULS / EQUIPMENT POLE |

NOTES:

1. REFER TO THE OVERHEAD MAINTENANCE AND WORKMANSHIP GUIDELINES FOR ADDITIONAL INFORMATION.
2. WOOD POLE CONDITION SHOULD ALSO BE CONSIDERED WHEN INSTALLING NEW EQUIPMENT.
3. EXISTING 4kN POLE, UP TO A 63kVA TRANSFORMER OR SWITCHGEAR CAN BE ADDED PROVIDING THE POLE AGE, LENGTH, SETTING DEPTH AND FOUNDATION IS ADEQUATE.
4. EXISTING 6kN POLE, UP TO A 100kVA TRANSFORMER CAN BE ADDED PROVIDING THE POLE AGE, LENGTH, SETTING DEPTH AND FOUNDATION IS ADEQUATE.
5. POLE MOUNTED REGULATORS ON EXISTING WOOD POLES SHALL MEET THE SETTING DEPTH REQUIREMENT OF THE ORIGINAL STANDARD.
6. NEW OR REPLACED POLES SHALL MEET MINIMUM SIZE AS PER THE TABLE ABOVE.
7. WEIGHT LIMIT FOR A 16kN TITAN POLE IS 1200KG.

ALTERATIONS

ORIGINAL ISSUE

REFERENCE

NEW DRAWING

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOYZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE

POLE USAGE
POLE SIZES FOR VARIOUS EQUIPMENT
TITAN AND WOOD POLES

SCALE: NTS

A4

D - OHC - F103 - SD - 002

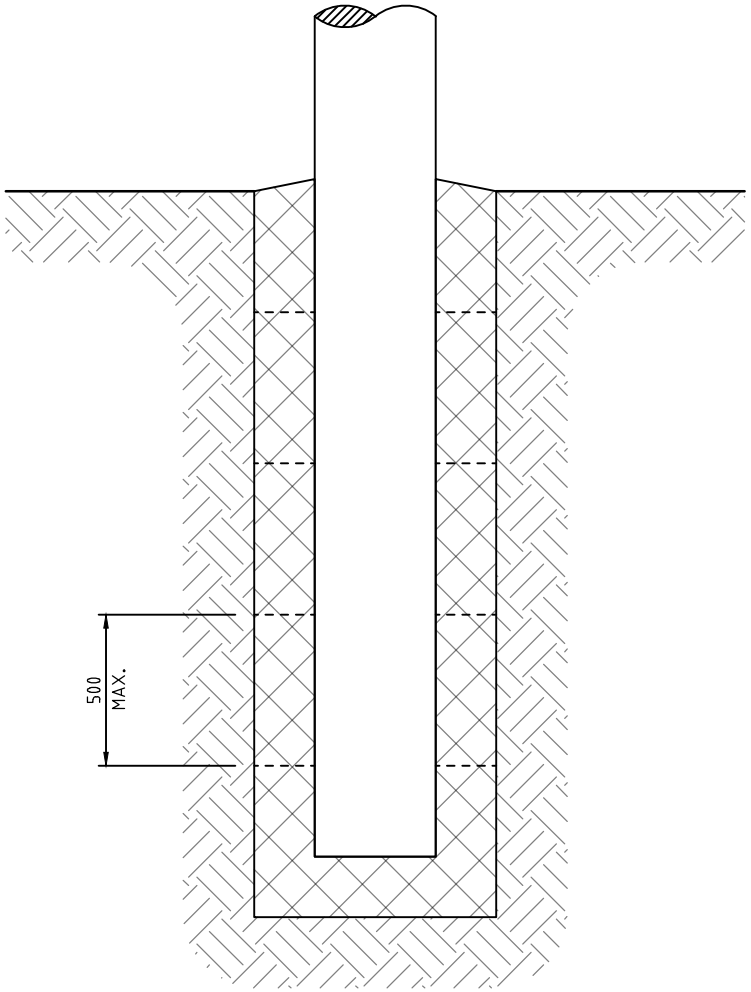
REVISION: B

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F103-SD-002

BM REV B

DWG STATUS STANDARD




EB - ENHANCED BACKFILL

NOTES:

1. ALL FOUNDATION MATERIAL TO BE THOROUGHLY COMPACTED LAYER BY LAYER. FOR FCR MAXIMUM 500mm LAYERS. TOO MUCH WATER WEAKENS THE FOUNDATION.
2. 20mm CLASS 3 CRUSHED ROCK (20mm FCR) SHALL BE USED.
3. IN GOOD SOILS SMALLER DIAMETER HOLE IS PREFERRED. OFTEN COMPACTED FCR IS WEAKER THAN NATURAL SOIL.
4. WHERE POLE BUTT IS OVERSIZED IT IS ACCEPTABLE TO POSITION THE POLE AGAINST THE WALL OF THE HOLE TO ALLOW THOROUGH COMPACTION AROUND THE POLE.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | REFERENCE |
|---|---|
| ORIGINAL ISSUE | NEW DRAWING: SUPERSEDES D-OHC-K005-SD-001 |

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE FOUNDATIONS
ENHANCED BACKFILL (EB)
STANDARD FOUNDATION

SCALE: NTS

A4

D - OHC - F104 - SD - 001

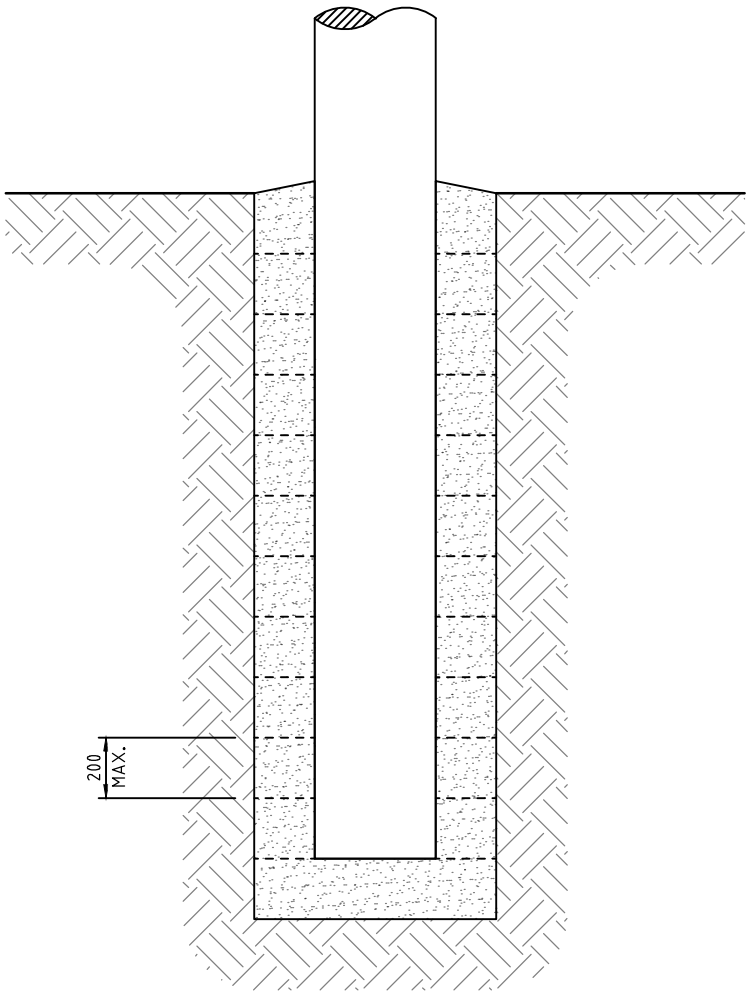
REVISION: A

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F104-SD-001

BM REV A

DWG STATUS STANDARD




NB - NATURAL BACKFILL

NOTES:

1. ALL FOUNDATION MATERIAL TO BE THOROUGHLY COMPACTED LAYER BY LAYER. FOR COMPACTED EXCAVATED SPOIL MAXIMUM 200mm. TOO MUCH WATER WEAKENS THE FOUNDATION.
2. IN GOOD SOILS SMALLER DIAMETER HOLE IS PREFERRED.
3. WHERE POLE BUTT IS OVERSIZED IT IS ACCEPTABLE TO POSITION THE POLE AGAINST THE WALL OF THE HOLE TO ALLOW THOROUGH COMPACTION AROUND THE POLE.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | REFERENCE |
|---|---|
| ORIGINAL ISSUE | NEW DRAWING: SUPERSEDES D-OHC-K005-SD-001 |

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE FOUNDATIONS
NATURAL BACKFILL (NB)
EMERGENCY WOOD POLE REPLACEMENT

SCALE: NTS

A4

D - OHC - F104 - SD - 002

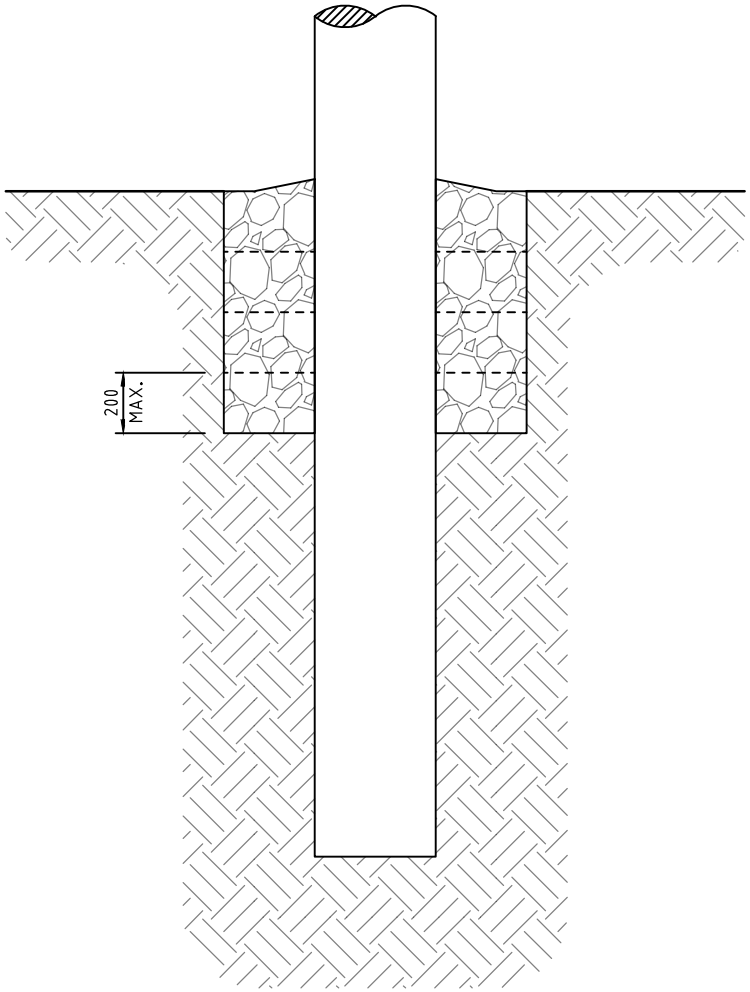
REVISION: B

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F104-SD-002

BM REV B

DWG STATUS STANDARD




NATURAL SOIL

ROAD BASE OR PAVING
GRAVEL MIX/FCR

GC - GRAVEL COLLAR

NOTES:

1. ALL FOUNDATION MATERIAL TO BE THOROUGHLY COMPACTED LAYER BY LAYER. FOR ROAD BASE OR PAVING GRAVEL MIX/FCR MAXIMUM 200mm LAYERS. TOO MUCH WATER WEAKENS THE FOUNDATION.
2. USE FOR LEANING POLES IN POOR SOIL.
3. PRIMARILY USED TO REINFORCE FOUNDATION OF EXISTING POLES.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

REFERENCE

NEW DRAWING: SUPERSEDES
D-OHC-K005-SD-002

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOYZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE
POLE FOUNDATIONS
GRAVEL COLLAR (GC)
REMEDIATIONS OR REINFORCEMENT

SCALE: NTS

A4

D - OHC - F104 - SD - 003

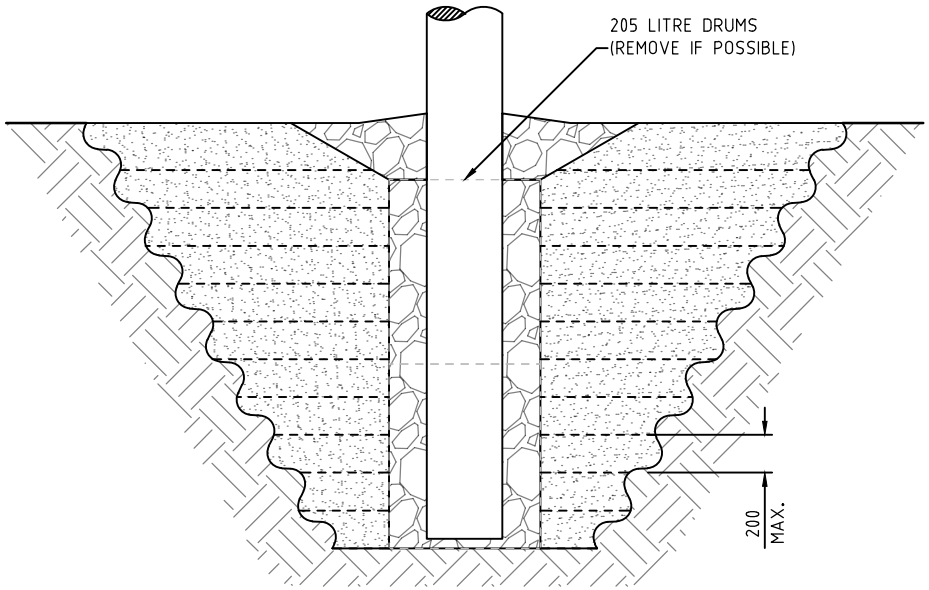
REVISION: A

EMF/PDF CREATION DATE 18/12/2025

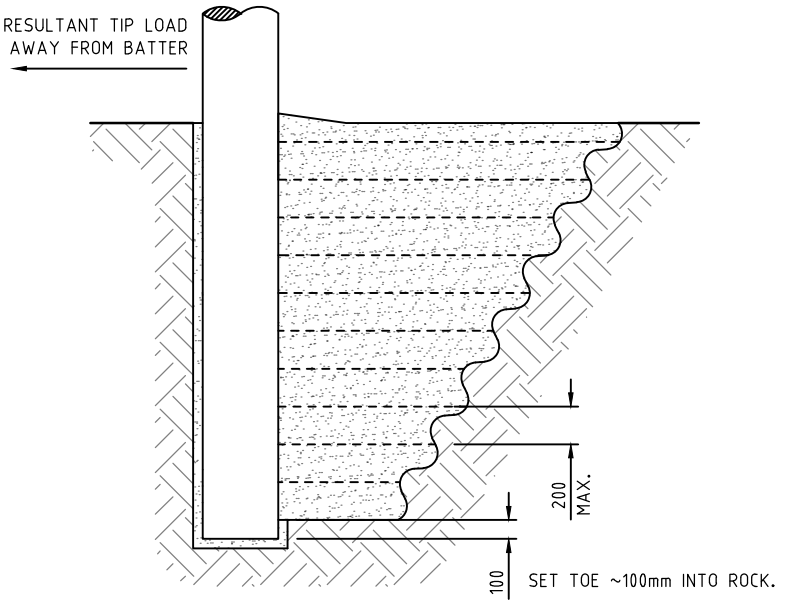
BM DWG NO D-OHC-F104-SD-003

BM REV A

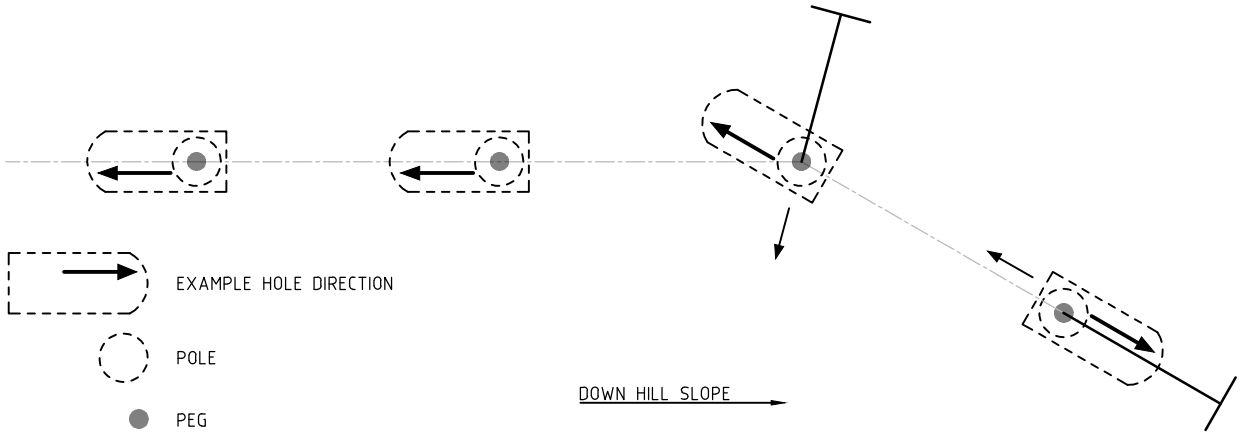
DWG STATUS STANDARD

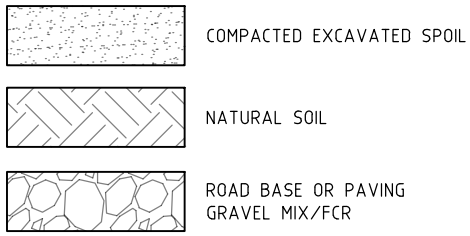



HARD HOLE WITH DRUM




EXCAVATED HARD HOLE




NOTES:

1. HARD HOLE COMPACTED EXCAVATED SPOIL WITH VIBRATING PLATE IN 200mm LAYERS.
2. EXCAVATED HOLES - PREFERENCE IS TO HAVE NO DRUM. ENSURE RESULTANT TIP LOAD AWAY FROM BATTER.
3. WHERE A DRUM FOUNDATION IS USED THE DEPTH MUST BE AS PER TABLE ON D-OHC-F101-SD-001 OR AS PER DESIGN (WHICHEVER IS GREATER).
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

**REFERENCE**

NEW DRAWING: SUPERSEDES
D-OHC-K005-SD-004

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE FOUNDATIONS
HARD HOLES
HAND OR EXCAVATOR DUG

SCALE: NTS

A4

D - OHC - F104 - SD - 004

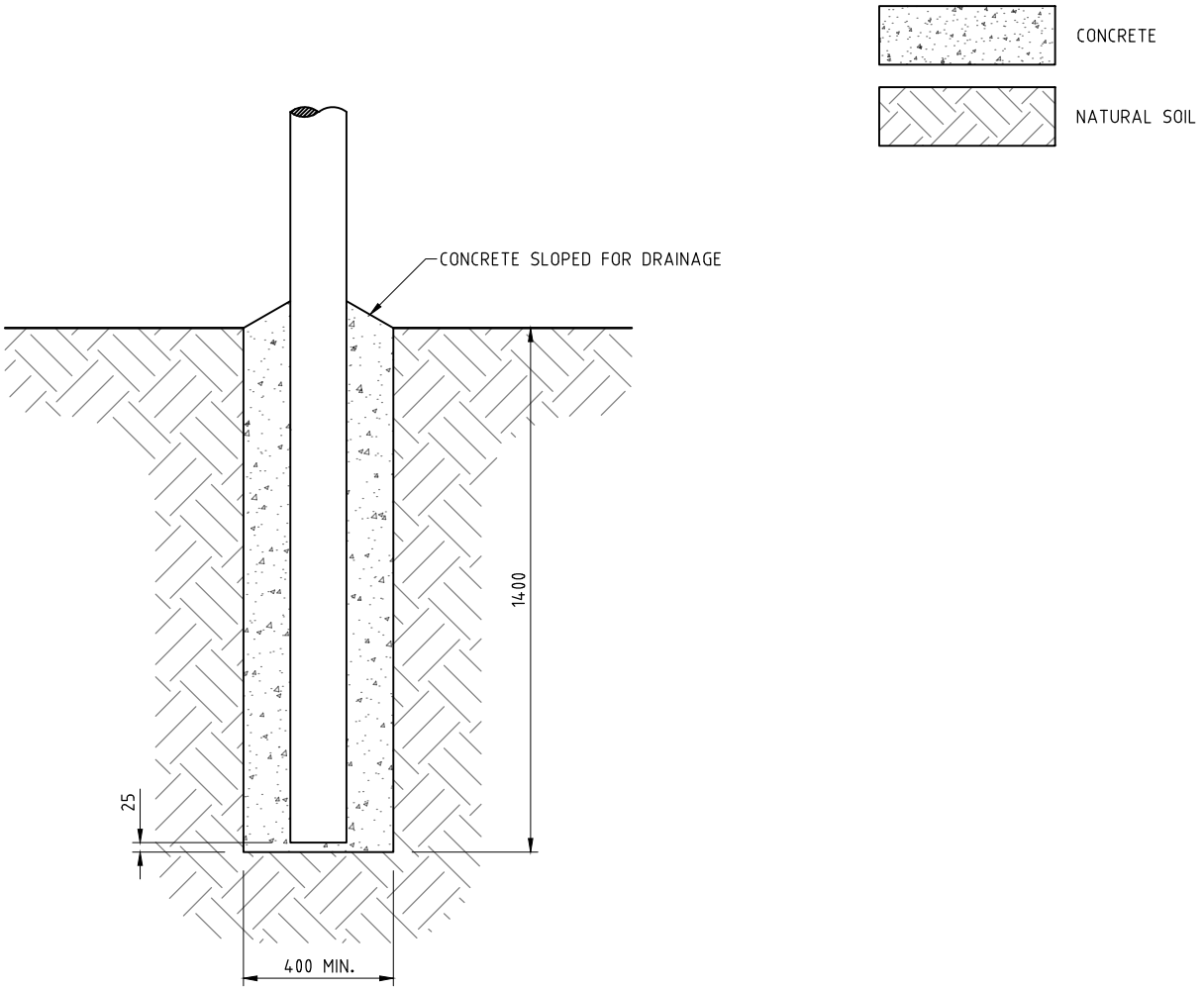
REVISION: A

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F104-SD-004

BM REV A

DWG STATUS STANDARD




CO - CONCRETE

NOTES:

1. FOR USE WITH STEEL POLES.
2. ALLOW THREE DAYS FOR CURING TIME BEFORE APPLYING FULL LOAD.
3. RAPID-SET CONCRETE, OR MIXED CONCRETE OF EQUIVALENT STRENGTH, SHALL BE USED.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS

ORIGINAL ISSUE

| REFERENCE |
|---|
| NEW DRAWING |

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.KNYZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE FOUNDATIONS
CONCRETE (CO)

SCALE: NTS

A4

D - OHC - F104 - SD - 005

REVISION: A

EMF/PDF CREATION DATE 08/05/2026

BM DWG NO D-OHC-F104-SD-005

BM REV A

DWG STATUS STANDARD

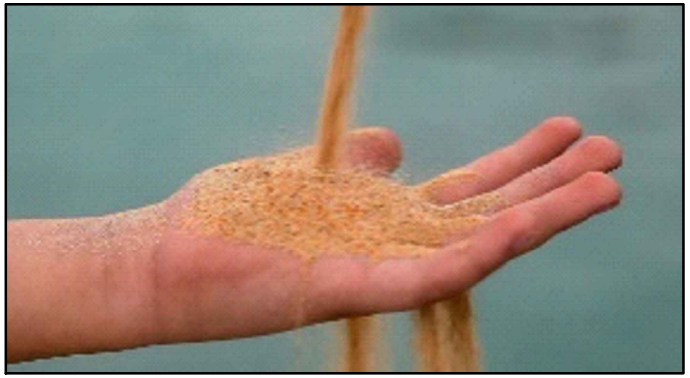
| SOIL TYPE | CODE | CLASSIFICATION | CHARACTERISTICS |
|---|---|---|---|
| WEAK/WEATHERED ROCK | WR | | SHALE CLASS V AND OTHER TYPES OF FRACTURED OR BROKEN ROCK WHERE SPACING BETWEEN CRACKS AND DEFECTS IS <20mm. |
| COHESIVE GRANULES STICK TOGETHER AND FORM CLODS E.G. SOILS CONTAINING CLAY, BLACKSOIL | CA | HARD | INDENTED WITH DIFFICULTY BY THUMBNAIL. |
| | CB | STIFF TO VERY STIFF | CANNOT BE MOULDED BY FINGERS. ABLE TO INDENT WITH THUMB BUT ONLY ABLE TO PENETRATE WITH GREAT EFFORT. |
| | CC | FIRM | CAN BE MOULDED BY STRONG FINGER PRESSURE. MODERATE EFFORT NEEDED TO PENETRATE 30mm WITH THUMB. |
| | CD | SOFT | CAN BE MOULDED BY LIGHT FINGER PRESSURE. EASILY PENETRATED 40mm WITH THUMB. |
| PARTICULATED (NON-COHESIVE) GRANULES ARE LOOSE AND DO NOT BIND E.G. SAND AND GRAVEL | PA | DENSE | WHEN COMPACTED IN SITU FORMS SOME CLUMPS. TAKES FOOTPRINT LESS THAN 10mm DEEP. |
| | PB | LOOSE | RUNS OR CRUMBLES VERY EASILY IN HAND. TAKES FOOTPRINT MORE THAN 10mm DEEP. |

THE TABLE ALLOWS FOR 7 SOIL CATEGORIES (OTHER THAN ROCK, FOR WHICH ONLY MINIMUM SINKING). IN DETERMINING SOIL TYPE, TAKE INTO ACCOUNT DRAINAGE OF THE AREA. COHESIVE SOILS WILL BE WEAKENED SIGNIFICANTLY WHERE DRAINAGE IS POOR.

SPECIFIED POLE SETTING DEPTHS ALLOW FOR EMPIRICAL ASSESSMENT, I.E. USING LOCAL KNOWLEDGE AND OBSERVATION, NOT SOIL TESTING. NOTE THAT THERE COULD BE CONSIDERABLE VARIATION IN TOP SOIL THICKNESS LOCALLY AND DRAINAGE WILL ALSO VARY WITH TOPOGRAPHY. IN VERY SOFT COHESIVE SOILS, SWAMPY AREAS OR VERY LOOSE PARTICULATED SOILS, SPECIAL NON-STANDARD FOUNDATION DESIGNS MAY BE REQUIRED.

WEAK/WEATHERED ROCK

COHESIVE



PARTICULATED (NON-COHESIVE)

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F104-SD-004

BM REV A

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

REFERENCE

NEW DRAWING: SUPERSEDES D-OHC-K015-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE FOUNDATIONS SOIL TYPES

SCALE: NTS

A4

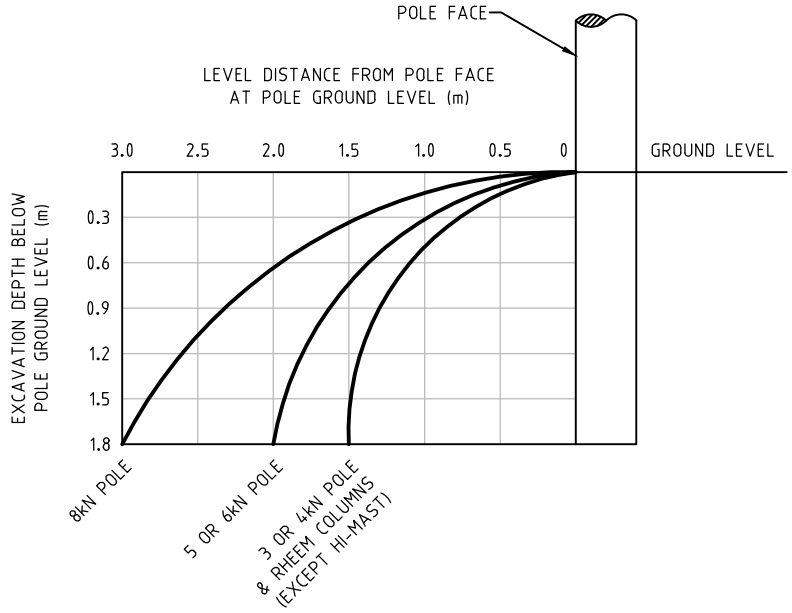
D - OHC - F104 - SD - 006

REVISION: A

DWG STATUS STANDARD

## TEMPORARY EXCAVATION NEAR POLES

1. THE DEPTH/DISTANCE CURVES APPLY TO 3, 4, 5, 6, & 8 KN UNSTAYED POLES OF 9m TO 12m LENGTH, IN ANY DIRECTION FROM THE POLE FACE FOR A SHORT TERM OF NOT MORE THAN ONE WEEK. THE EXCAVATION MUST BE DONE IN FINE WEATHER (NOT WET OR WINDY) AND MUST BE MONITORED DAILY.
2. ANY EXCAVATION THAT ENCROACHES DEEPER THAN THE LIMITING CURVES OR IS IMMEDIATELY ADJACENT TO THE POLE (E.G. CABLE POLE) WILL REDUCE THE POLE FOOTING STRENGTH - AN ENGINEERING ASSESSMENT WILL BE REQUIRED. ADDITIONALLY, THIS SITUATION MAY REQUIRE THE FITTING OF TEMPORARY STAYS. SHALLOW EXCAVATIONS FOR POLE TESTING AND EARTH INSTALLATION ARE ALLOWED PROVIDED THE HOLE IS DUG, BACKFILLED, AND RAMMED ON THE SAME DAY.
3. EXCAVATIONS IN THE SAME PLANE AS THE RESULTANT TIP LOAD DIRECTION ARE MORE CRITICAL THAN THOSE TO THE SIDE.
4. BECAUSE OF THE VARIATION IN COHESIVENESS OF SOILS, THIS INFORMATION SHOULD BE ACCEPTED AS A FIELD REFERENCE GUIDE FOR AVERAGE UNDISTRIBUTED CLAY SOILS. THIS GUIDE SHOULD NOT BE USED FOR LOOSE SANDY SOIL OR MADE UP SOIL.




EMF/PDF CREATION DATE 08/05/2026

BM DWG NO D-OHC-F104-SD-007

BM REV A

| ALTERATIONS | REFERENCE |
|---|---|
| ORIGINAL ISSUE | NEW DRAWING |

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JONYZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE FOUNDATIONS
TEMPORARY EXCAVATIONS NEAR POLES

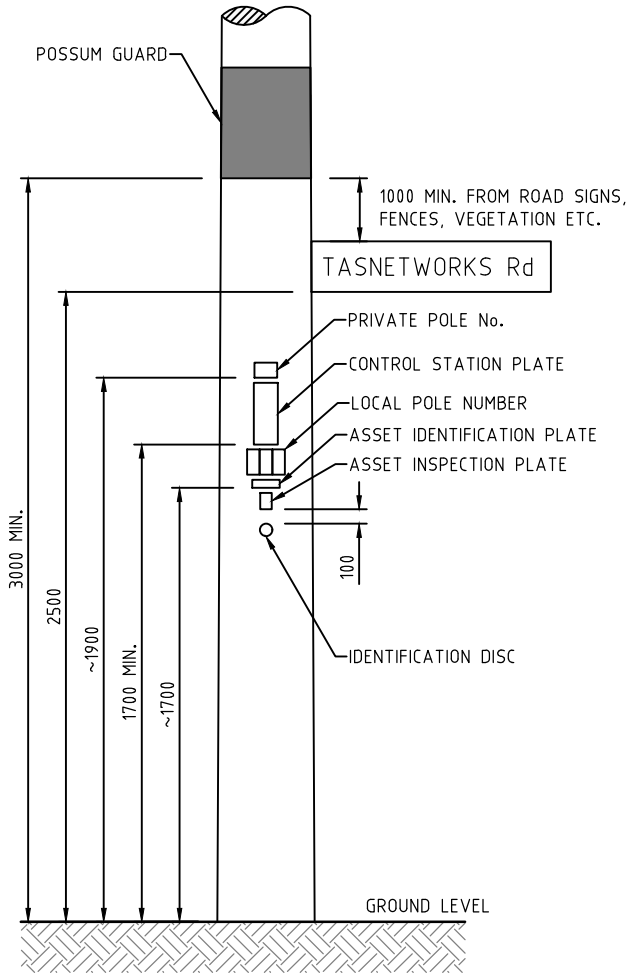
SCALE: NTS

A4

D - OHC - F104 - SD - 007

REVISION: A

DWG STATUS STANDARD




POLE BASE FITTINGS

NOTES:

1. WOOD POLE IDENTIFICATION DISK IS INSTALLED AT POLE TREATMENT PLANT.
2. POLE NUMBER AND CONTROL STATION NUMBER PLATES ARE TO BE FIXED ON THE ROAD SIDE FACE OF POLES.
3. WHEN FIXING SIGNS OR NUMBERS TO S/C POLES WITH ADHESIVE BOTH SURFACES MUST BE CLEAN AND DRY. APPLY ADHESIVE TO BACK OF NUMBER OR SIGN. PRESS ON TO POLE AND ALIGN WHILE HOLDING IN PLACE FOR ONE MINUTE OR AS PER MANUFACTURERS RECOMMENDATIONS.
4. "PRIVATE POLE" TAG TO BE FITTED TO ALL PRIVATELY OWNED POLES. S.I No. 323393.
5. LV FUSE SWITCH NUMBER SHALL BE LOCATED DIRECTLY UNDER OR AS CLOSE AS POSSIBLE TO THE RELEVANT ISOLATION DEVICE ON THE POLE ABOVE 1.7m FROM THE GROUND.
6. HV FUSE RATINGS FOR HV SPUR AND LINE FUSES CAN BE DISPLAYED 2.0m BELOW THE FUSE FITTING IF REQUIRED.
7. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS: ORIGINAL ISSUE

REFERENCE

NEW DRAWING: SUPERSEDES D-OHC-K006-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE BASE FITTINGS
GENERAL POSITIONING
ATTACHMENTS AT POLE BASE

SCALE: NTS

A4

D - OHC - F105 - SD - 001

REVISION: A

EMF/PDF CREATION DATE 18/12/2025

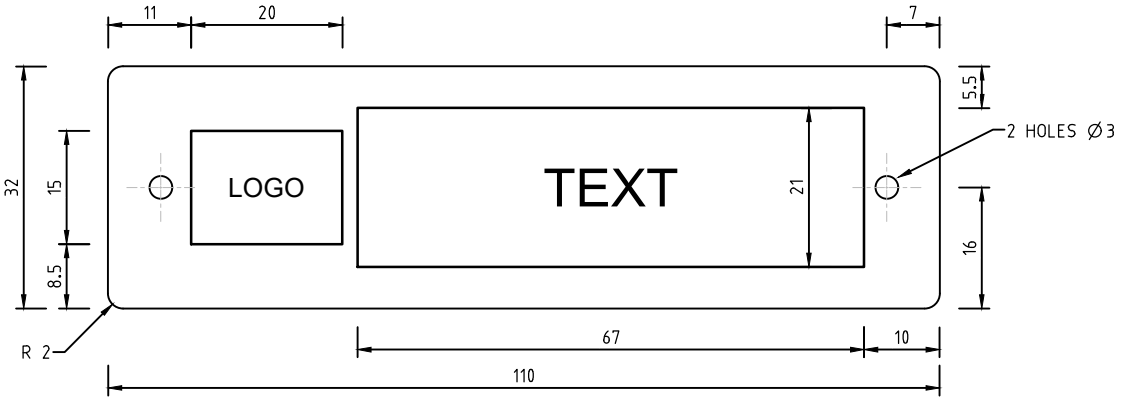
BM DWG NO D-OHC-F105-SD-001 BM REV A

DWG STATUS STANDARD


## ASSET IDENTIFICATION PLATE

325540

HORIZONTAL FORMAT, BLACK CHARACTERS ON ALUMINIUM BACKGROUND
MATERIAL: PHOTOSENSITIVE ALUMINIUM SHEET
(ALUMAMARK OR SIMILAR) MINIMUM 0.45 THICK




## LAYOUT & HOLE DETAILS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

**REFERENCE**

NEW DRAWING: SUPERSEDES
D-OHC-K009-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE BASE FITTINGS
ASSET IDENTIFICATION TAG
PLATE DETAILS

SCALE: NTS

A4

REVISION: A

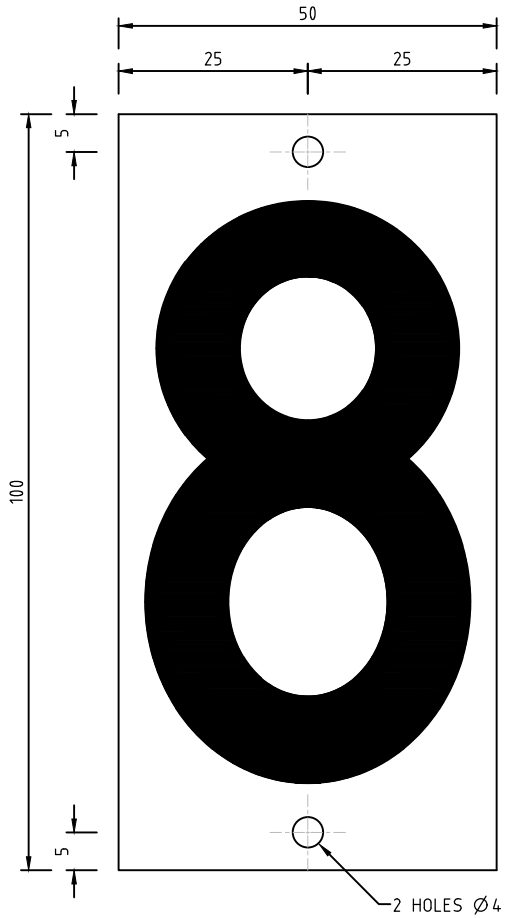
D - OHC - F105 - SD - 002

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F105-SD-002

BM REV A

DWG STATUS STANDARD




| NUMERAL LETTER | HEIGHT | WIDTH | STROKE WIDTH | STOCK ITEM NUMBER |
|---|---|---|---|---|
| 1 | 80 | 41 | 10 | 325512 |
| 2 | 80 | 41 | 10 | 325513 |
| 3 | 80 | 41 | 10 | 325514 |
| 4 | 80 | 41 | 10 | 325515 |
| 5 | 80 | 41 | 10 | 325516 |
| 6 | 80 | 41 | 10 | 325517 |
| 7 | 80 | 41 | 10 | 325518 |
| 8 | 80 | 41 | 10 | 325519 |
| 9 | 80 | 41 | 10 | 325520 |
| 0 | 80 | 41 | 10 | 325521 |
| A | 80 | 41 | 10 | 325522 |
| B | 80 | 41 | 10 | 325523 |
| P | 80 | 41 | 10 | 325535 |

MATERIAL: 0.8mm ALUMINIUM SHEET.
NUMERAL: BLACK TAPE PAINT.
BACKGROUND: GREY/WHITE REFLECTORISED PVC/PAINT.

NOTES:

1. FORMAT TO BE GENERALLY TO AS:1744 SERIES 'C' UNLESS STATED OTHERWISE.
2. WHEN FIXING NUMBERS TO STEEL OR CONCRETE POLES WITH ADHESIVE BOTH SURFACES MUST BE CLEAN AND DRY.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

EMF/PDF CREATION DATE 18/12/2025

ALTERATIONS
ORIGINAL ISSUE

REFERENCE
NEW DRAWING: SUPERSEDES D-OHC-K008-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



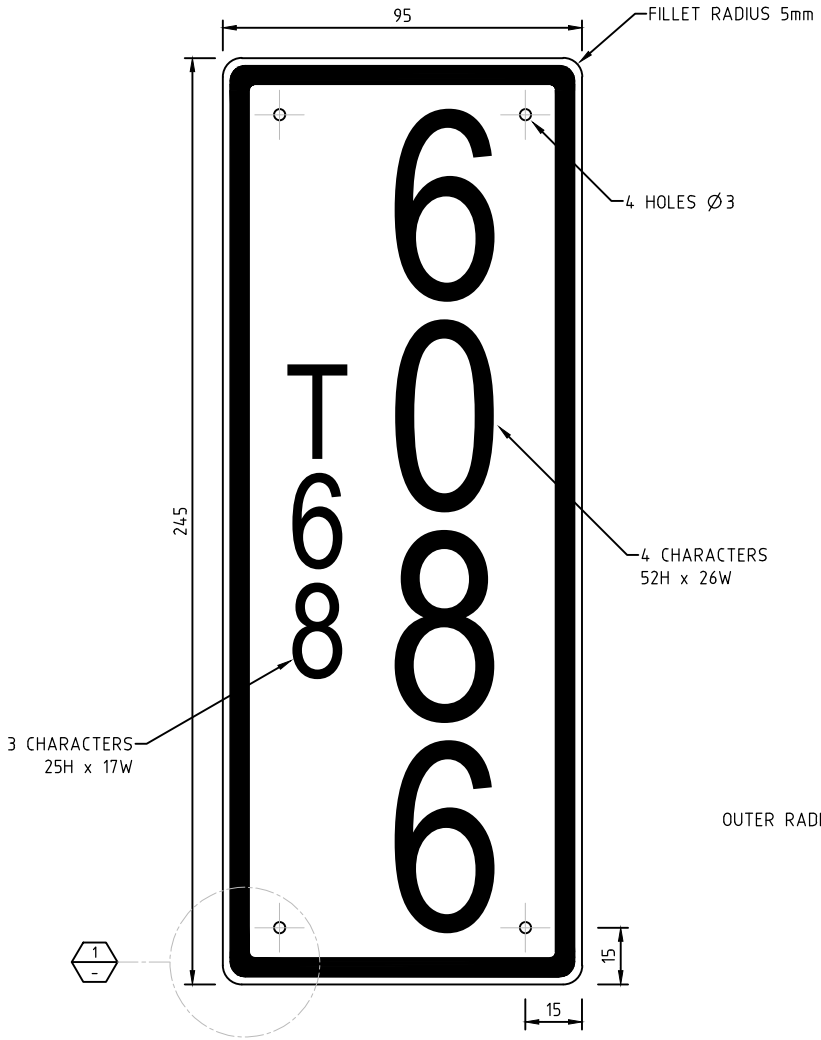
TITLE
POLE BASE FITTINGS
LOCAL POLE NUMBERS
PLATE DETAILS

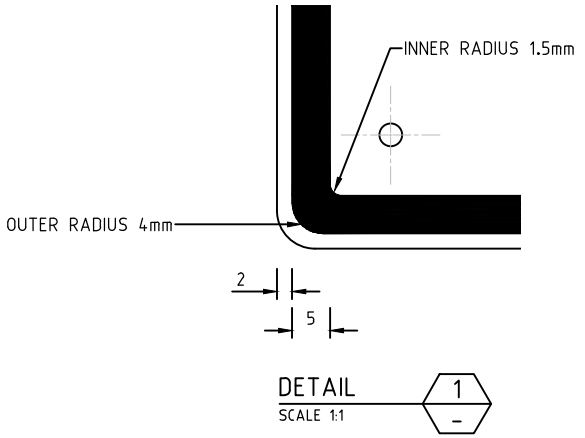
SCALE NTS
A4
REVISION A

D - OHC - F105 - SD - 003

BM DWG NO D-OHC-F105-SD-003 BM REV A

DWG STATUS STANDARD




## STATION NUMBER

325580
VERTICAL FORMAT, BLACK CHARACTERS
ON REFLECTIVE SILVER BACKGROUND
MATERIAL - ALUMINIUM SHEET

NOTES:

1. ALUMINIUM SHEET 1.5-2.0mm
2. ALL EDGES TO BE DE-BURRED.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

REFERENCE

NEW DRAWING: SUPERCEDES
D-OHC-K008-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE BASE FITTINGS
STATION NUMBERS
SWITCHGEAR AND TRANSFORMER
PLATE DETAILS

SCALE: NTS

A4

D - OHC - F105 - SD - 004

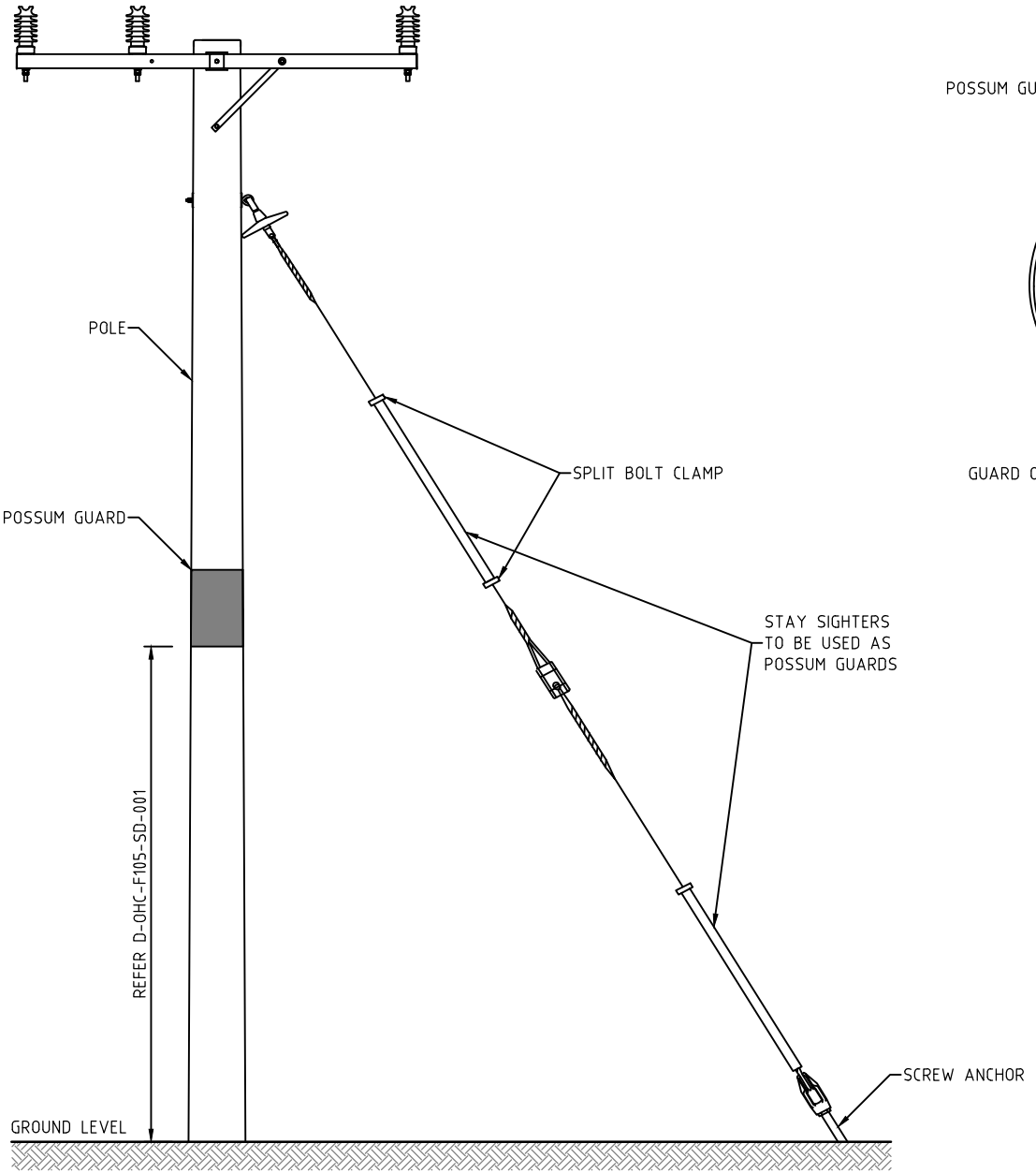
REVISION: A

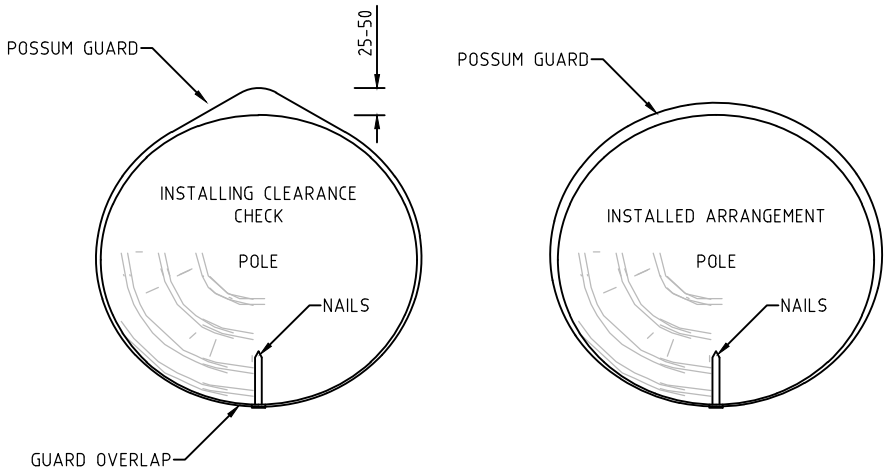
EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F105-SD-004

BM REV A

DWG STATUS STANDARD




## POSSUM GUARDS
## TYPICAL SECTIONS

NOTES:

1. WITH THE INTRODUCTION OF FRP CROSSARMS, HV COVERED CONDUCTOR LOOPS AND TIES, THE FITTING OF POSSUM GUARDS CAN BE REDUCED TO HIGH RISK POLES WITH THE FOLLOWING EQUIPMENT:
   - HV POLES WITH STEEL CROSSARMS.
   - OPEN BARE LV.
   - AIR BREAK SWITCHES.
   - TRANSFORMER POLES.
   - POLES WITH UNDER GROUND HV CABLE TERMINATIONS.
   - REGULATOR POLES.
   - ANY POLE DEEMED HIGH RISK OF ELECTROCUTION IF CONTACT IS MADE.
2. THE POSSUM GUARD MAY BE RAISED TO PROVIDE 1000mm CLEARANCE TO THE BOTTOM OF THE POSSUM GUARD FROM ANY FENCE, STRUCTURE OR HEDGE. THE STAY SIGHTER MAY ALSO BE POSITIONED HIGHER OR AN ADDITIONAL SIGHTER MAY BE ADDED.
3. ANY FOLIAGE WHICH MAY PROVIDE POSSUMS WITH ACCESS ONTO THE POLE SHALL BE TRIMMED OR CLEARED AS APPROPRIATE.
4. ATTACH THE POSSUM GUARD SO THE FIT IS LOOSE, ALLOWING FOR 25-50mm E.G. LARGE SCREWDRIVER HANDLE OF CLEARANCE AS PER DIAGRAM. THE LOOSE FIT STOPS WATER RETENTION AND ALLOWS THE POLE TO BREATHE, WHICH OTHERWISE WOULD PROMOTE SURFACE ROT.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F105-SD-005

BM REV A

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

**REFERENCE**

NEW DRAWING: SUPERSEDES
D-OHC-G034-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE BASE FITTINGS
POSSUM GUARDS
ATTACHMENT DETAILS

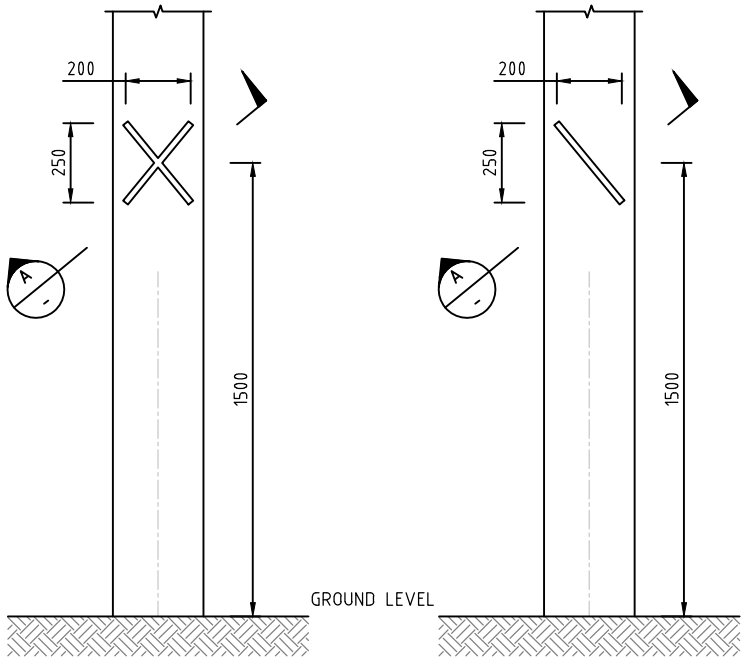
SCALE: NTS

A4

D - OHC - F105 - SD - 005

REVISION: A

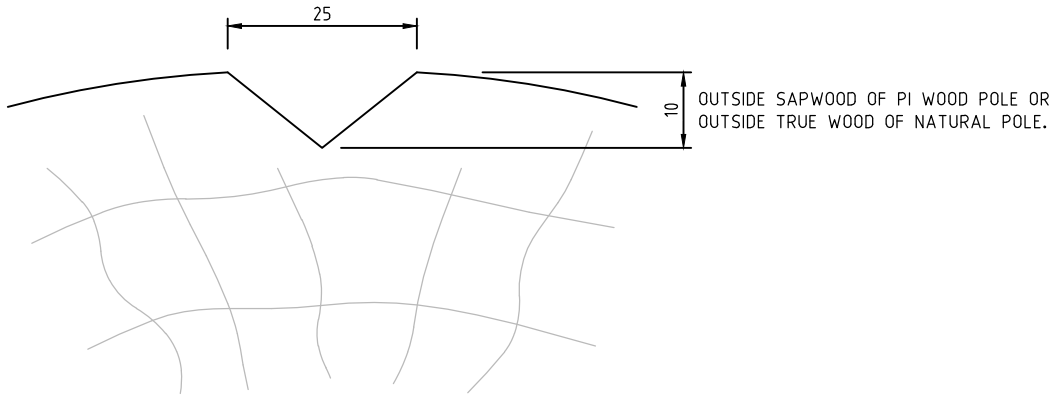
DWG STATUS STANDARD




CONDEMNED POLE
REFER NOTES: 1 & 3




IMPAIRED POLE
(MAY BE SUITABLE FOR STAKING)
REFER NOTES: 2 & 3




SECTION A - A
SCALE 1:1

NOTES:

1. WHERE POLES ARE CLASSIFIED AS CONDEMNED THE POLE SHALL BE MARKED WITH CROSS "X" CUT INTO THE WOOD WITH AN AXE (IN THE MANOR SHOWN).
2. WHERE POLES ARE CLASSIFIED AS IMPAIRED THE POLE SHALL BE MARKED WITH SLASH "\" CUT INTO THE WOOD WITH AN AXE (IN THE MANOR SHOWN).
3. THE "X" OR "\" CUT INTO THE POLE MAY BE MORE CLEARLY DELINEATED FOR NIGHT TIME RECOGNITION BY SPRAYING OVER THE CUT WITH RED FLUORESCENT PAINT.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS
ORIGINAL ISSUE

REFERENCE
NEW DRAWING: SUPERSEDES
D-OHC-K018-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | NEGAVAR PTY LTD |
| DRAFTING CHECK | NEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: WOOD POLE REINSTATEMENT
UNSERVICEABLE WOOD POLES
CLASSIFICATION MARKING DETAILS

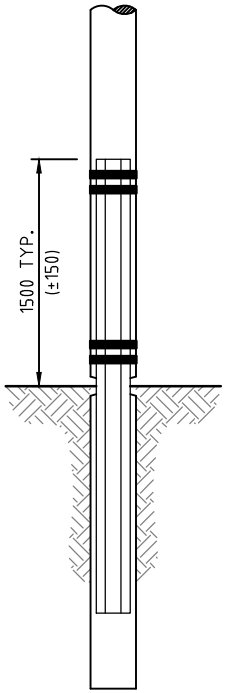
SCALE: NTS
A4
REVISION: A

D - OHC - F106 - SD - 001

EMF/PDF CREATION DATE 18/12/2025
BM DWG NO D-OHC-F106-SD-001
BM REV A

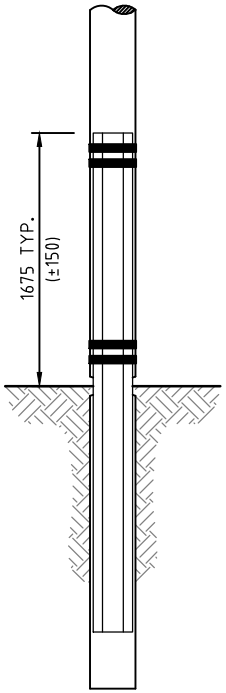
DWG STATUS STANDARD

SINGLE/*DOUBLE C2 3610
SINGLE/*DOUBLE C2 4910
SINGLE/*DOUBLE C2 5610
SINGLE/*DOUBLE C2 7110



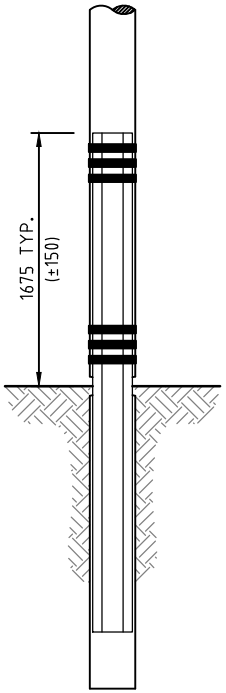

2 BANDS TOP
2 BANDS BOTTOM
SINGLE & *DOUBLE WRAP
3000mm TRUSS LENGTH

*SINGLE C 1080
*SINGLE C 1180
*SINGLE C 1280
*SINGLE C 1380
*DOUBLE C 1080



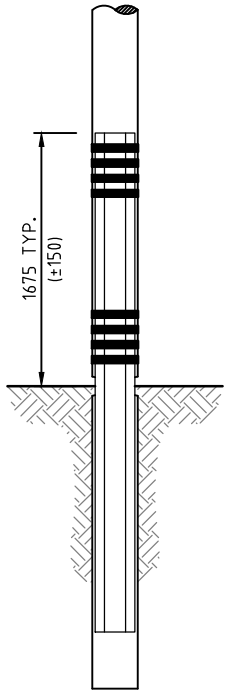

2 BANDS TOP
2 BANDS BOTTOM
*DOUBLE WRAP ONLY
3300mm TRUSS LENGTH

*DOUBLE C 1180
*DOUBLE C 1280



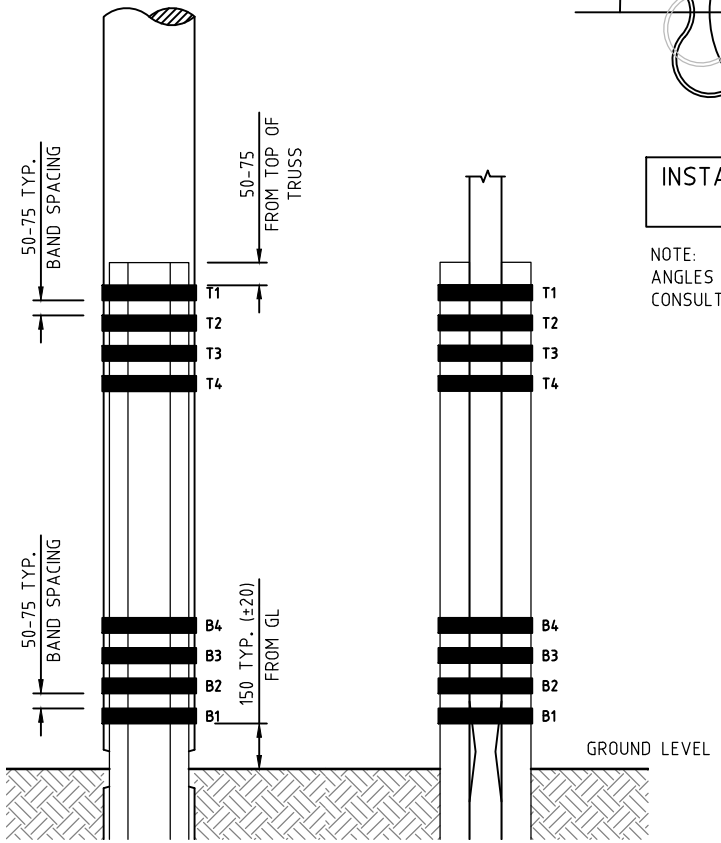

3 BANDS TOP
3 BANDS BOTTOM
*DOUBLE WRAP ONLY
3300mm TRUSS LENGTH

*DOUBLE C 1380



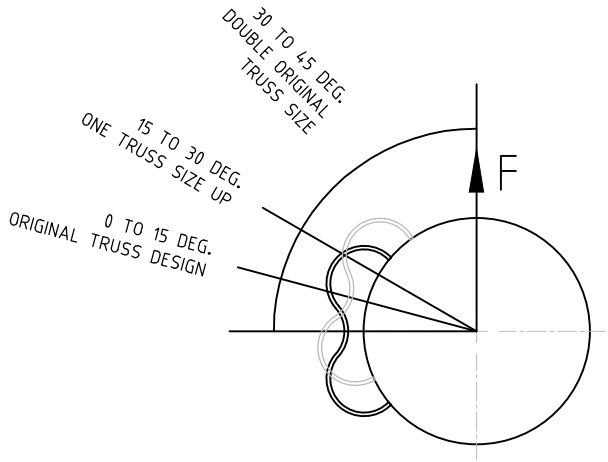

4 BANDS TOP
4 BANDS BOTTOM
*DOUBLE WRAP ONLY
3300mm TRUSS LENGTH

## POLE BANDING GENERAL ARRANGEMENT




BANDING DETAIL
REFER NOTE: 1

CHAMFER DETAIL
REFER NOTE: 2




INSTALLATION ORIENTATION
DEVIATION RULE

NOTE:
ANGLES GREATER THAN 45 DEG. REQUIRE CONSULTATION WITH ENGINEERING.

NOTES:

1. EXTRA BANDING TO BE INSTALLED IF NOT IN IDEAL POSITION/SPACING, UNLESS NOTED BY ENGINEERS OTHERWISE.
2. CHAMFERED POLES MUST BE TRUSSED ACCORDING TO RESTORING MECHANICALLY DAMAGED POLES METHODOLOGY.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | REFERENCE |
|---|---|
| ORIGINAL ISSUE | NEW DRAWING |

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | M |
| DATE APPROVED | 08-05-2026 |



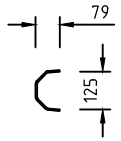
TITLE: WOOD POLE REINSTATEMENT
BANDED REINFORCING SYSTEM
GENERAL ARRANGEMENT

SCALE: NTS
A4
REVISION: B

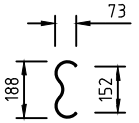
D - OHC - F106 - SD - 002

| OSMOSE REINFORCEMENT METHODS TO AUSTRALIAN STANDARDS REVISION 02 APRIL-23 | | TRUSS RATINGS BENDING MOMENTS CAPACITIES (kNm) | | | BANDING CONFIGURATIONS SW=SINGLE WRAP DW=DOUBLE WRAP (IN 2 EQUAL SETS) |
|---|---|---|---|---|---|
| | | MINIMUM POLE DIAMETER (mm) | MAXIMUM POLE DIAMETER (mm) | OPTIMAL BENDING STRENGTH (kNm) | |
| SINGLE TRUSS CONFIGURATIONS | | | | | |
| C2 TRUSS RANGE | WEIGHT (kg) | DISTRIBUTION NETWORKS | | | |
| C2-3610-5 | 36.0 | 180 | 230 | 45 | 4 SW |
| C2-9410-5 | 42.3 | 220 | 270 | 65 | 4 SW |
| C2-5610-5 | 48.3 | 260 | 310 | 85 | 4 SW |
| C2-7110-6 | 57.9 | 260 | 330 | 105 | 4 SW |
| C TRUSS RANGE | WEIGHT (kg) | TRANSMISSION NETWORKS | | | |
| C-5100-5 | 26.4 | 140 | 190 | 20 | 4 SW |
| C-1080 | 90.8 | 280 | 330 | 135 | 4 DW |
| C-1180 | 98.8 | 290 | 350 | 155 | 4 DW |
| C-1280 | 107.2 | 320 | 380 | 170 | 4 DW |
| C-1380 | 117.3 | 350 | 410 | 190 | 4 DW |
| DOUBLE TRUSS CONFIGURATIONS | | | | | |
| DOUBLE C2 TRUSS RANGE | WEIGHT (kg) | DISTRIBUTION NETWORKS | | | |
| C2-3610-5 D | 2x 36.0 | 180 | 330 | 90+ | 4 DW |
| C2-9410-5 D | 2x 42.3 | 220 | 370 | 130+ | 4 DW |
| C2-5610-5 D | 2x 48.3 | 260 | 410 | 170+ | 4 DW |
| C2-7110-6 D | 2x 57.9 | 260 | 430 | 210+ | 4 DW |
| DOUBLE C TRUSS RANGE | WEIGHT (kg) | TRANSMISSION NETWORKS | | | |
| C-5100-5 D | 2x 26.4 | 140 | 220 | 50 | 4 DW |
| C-1080 D | 2x 90.8 | 280 | 450 | 270+ | 4 DW |
| C-1180 D | 2x 98.8 | 290 | 470 | 310+ | 6 DW |
| C-1280 D | 2x 107.2 | 320 | 500 | 340+ | 6 DW |
| C-1380 D | 2x 117.3 | 350 | 520 | 380+ | 8 DW |

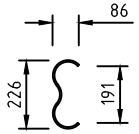
C-5100
5mm PLATE, 3m LENGTH



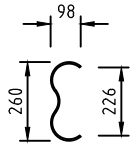

C2-3610
5mm PLATE, 3m LENGTH



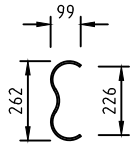

C2-4910
5mm PLATE, 3m LENGTH

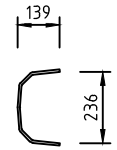



C2-5610
5mm PLATE, 3m LENGTH

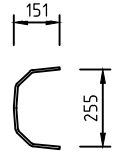



C2-7110
6mm PLATE, 3m LENGTH

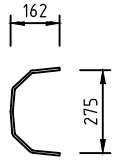


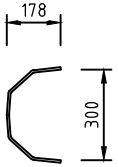

C-1080
7.94mm PLATE, 3.3m LENGTH




C-1180
7.94mm PLATE, 3.3m LENGTH




C-1280
7.94mm PLATE, 3.3m LENGTH




C-1380
7.94mm PLATE, 3.3m LENGTH

NOTES:

1. ADD ADDITIONAL NOTE.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | REFERENCE |
|---|---|
| ORIGINAL ISSUE | NEW DRAWING |

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: WOOD POLE REINSTATEMENT BANDED REINFORCING SYSTEM RATINGS & DIMENSIONS

SCALE: NTS

A4

D - OHC - F106 - SD - 003

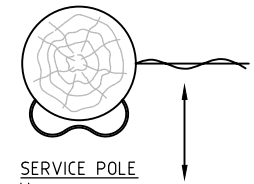
REVISION: A

EMF/PDF CREATION DATE 26/03/2026

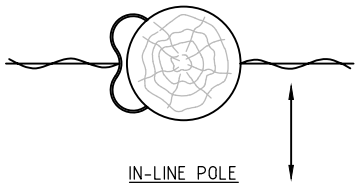
BM DWG NO D-OHC-F106-SD-003

BM REV A

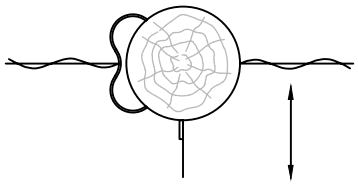
DWG STATUS STANDARD



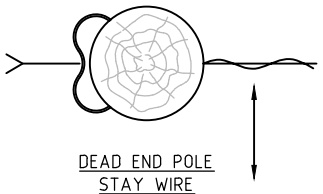
SERVICE POLE
**TERMINATION
(DEAD END POLE)



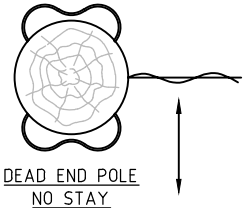
IN-LINE POLE



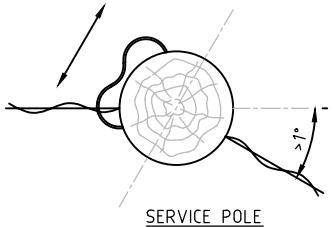
IN-LINE POLE
WITH TAP WIRE



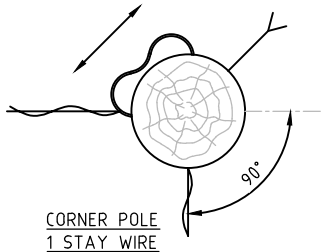
DEAD END POLE
STAY WIRE



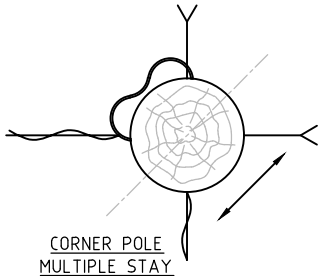
DEAD END POLE
NO STAY



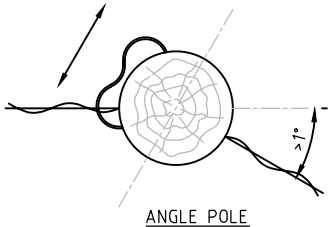

SERVICE POLE
**ANGLE POLE
NO STAY



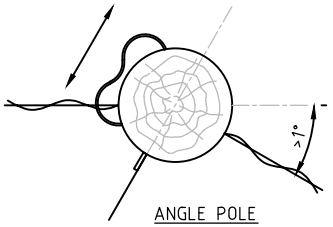

CORNER POLE
1 STAY WIRE



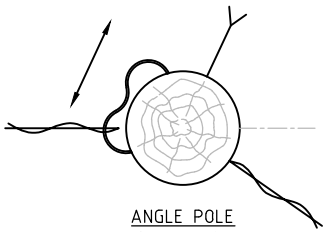
CORNER POLE
MULTIPLE STAY
WIRE



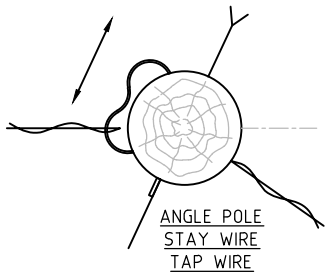

ANGLE POLE
NO STAY WIRE



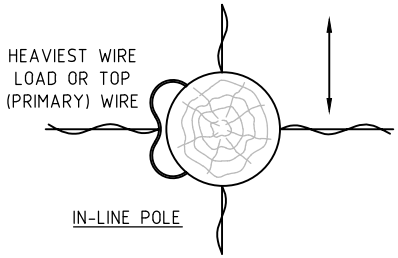

ANGLE POLE
NO STAY WIRE
TAP WIRE



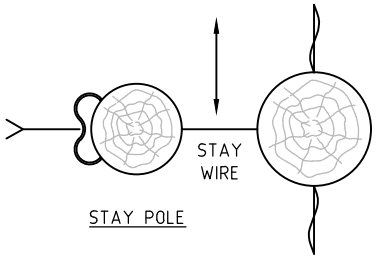
ANGLE POLE
STAY WIRE



ANGLE POLE
STAY WIRE
TAP WIRE




IN-LINE POLE




STAY POLE

NOTES:

1. CONDUCTORS MAIN FACTOR
**SERVICE POLES SHOULD FOLLOW
ORIENTATION AS PER THIS SHEET

LEGEND

- MAIN CONDUCTOR (LINE OF LEAD)
- DIRECTION OF FALL DUE TO WIND
- STAY
- TAP WIRE
- BISECTED ANGLE

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

| REFERENCE |
|---|
| NEW DRAWING |

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: WOOD POLE REINSTATEMENT
BANDED REINFORCING SYSTEM
TRUSS ORIENTATION

SCALE: NTS

A4

D - OHC - F106 - SD - 004

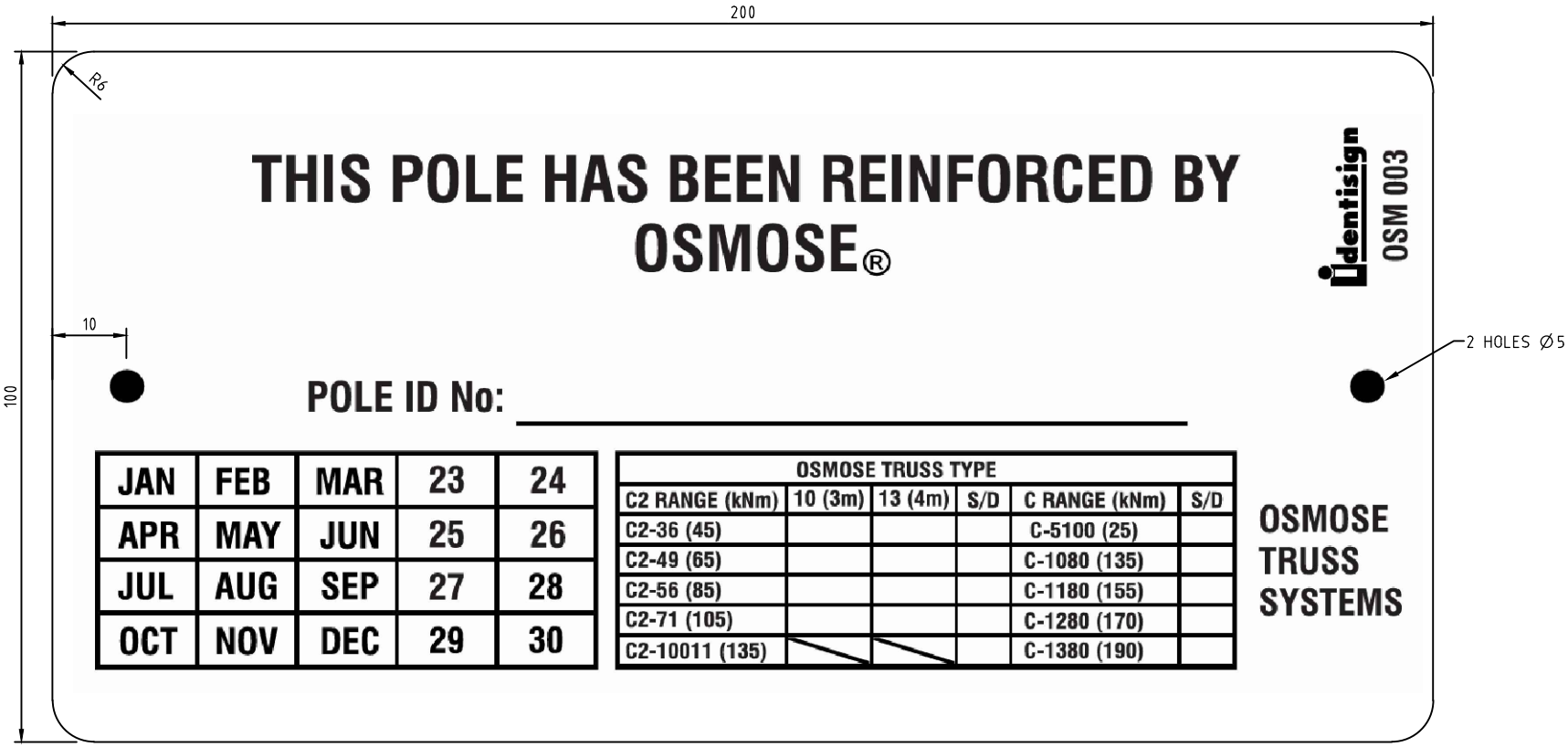
REVISION: A

EMF/PDF CREATION DATE 26/03/2026

BM DWG NO D-OHC-F106-SD-004

BM REV A

DWG STATUS STANDARD




REINSTATEMENT LABEL

S.I. No. 32.33.89

MATERIAL: 0.55mm SHEET METAL

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

| REFERENCE |
|---|
| NEW DRAWING: SUPERSEDES D-OHC-K016-SD-001 |

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZIKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TasNetworks

TITLE: WOOD POLE REINSTATEMENT
WOOD POLE REINSTATEMENT LABEL
PLATE DETAILS

SCALE: NTS

A4

D - OHC - F106 - SD - 005

REVISION: A

EMF/PDF CREATION DATE 08/05/2026

BM DWG NO D-OHC-F106-SD-005

BM REV A

DWG STATUS STANDARD

## TITAN POLE REPAIR

MINOR SCRATCHING AND SURFACE DAMAGE WILL NOT AFFECT THE POLE PERFORMANCE PROVIDED THE DAMAGE DOES NOT PENETRATE THE OUTER HELICAL WRAPPING OF THE POLE WHICH IS 1.5 TO 3mm THICK. WHERE REQUIRED SUCH DAMAGE MAY BE REPAIRED USING AN APPROPRIATE CONCRETE CEMENT, SUCH AS SIKA SIKADUR 31 OR 33.

WHERE DAMAGE TO THE POLE IS DEEPER AND PENETRATES INTO THE CENTRAL LAYERS OF THE POLE THE DECISION ON REPAIR WILL DEPEND ON WHERE THE DAMAGE IS AND HOW EXTENSIVE IT IS.

ANY DEFECTS IDENTIFIED ON THE POLE MUST BE REPORTED TO THE OVERHEAD LINES TEAM IN ASSET ENGINEERING TO ENSURE APPROPRIATE ACTION IS TAKEN.

GENERALLY, REPAIR OF THE POLES IS PERMITTED PROVIDED THAT THE HOLE DIAMETER IS NOT GREATER THAN 20% OF THE CIRCUMFERENCE OF THE POLE AT THE POINT OF DAMAGE, NOR THE HOLE AREA GREATER THAN 30% OF THE CROSS-SECTIONAL AREA OF THE POLE AT THE POINT OF DAMAGE.

REPAIR IS DONE BY APPLICATION OF A PATCH SUPPLIED BY DULHUNTY POLES OVER THE DAMAGED AREA.
THE PATCH IS GLUED TO THE POLE AND TOGGLE-BOLTED IN THE FOUR CORNERS.


TYPICAL REPAIR KIT MATERIALS

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

| REFERENCE |
|---|
| NEW DRAWING |

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.KNYZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TasNetworks

TITLE: TITAN POLE REINSTATEMENT REPAIR DETAILS

SCALE: NTS

A4

D - OHC - F106 - SD - 006

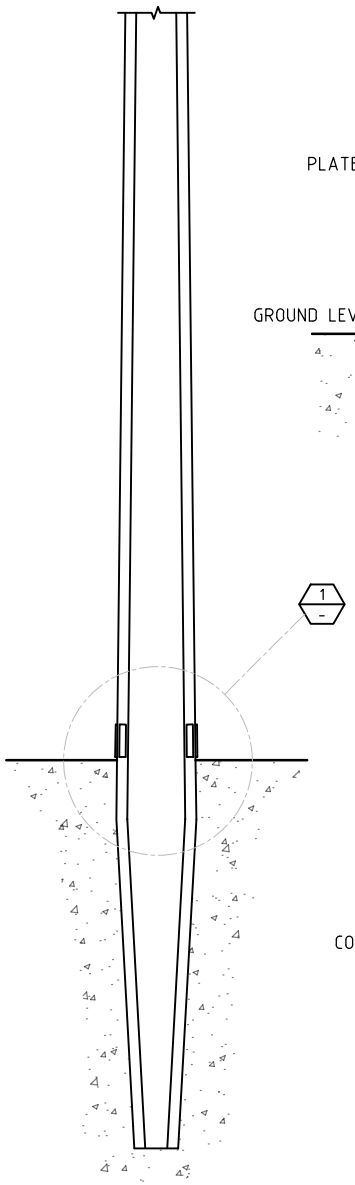
REVISION: A

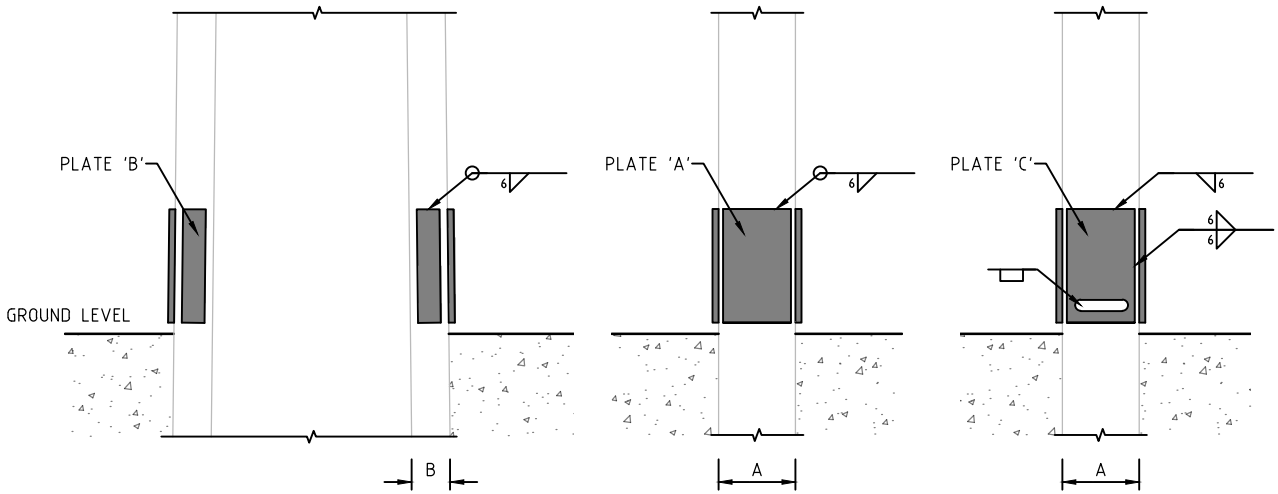
EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F106-SD-006

BM REV A

DWG STATUS STANDARD






FINISH: PAINT
SURFACE PREPARATION: POWER TOOL CLEAN TO AS1627.2 ST 3. REMOVE ALL DUST. APPLY FIRST COAT BEFORE SURFACE DETERIORATION OCCURS.

PRIMER: IN ACCORDANCE WITH PAINT REFERENCE NO AS/NZS 2312 - C04 - HIGH BUILD ALKYD PRIMER TO AS 3750.19 TYPE 2 DULUX LUXAPRIME ZINC PHOSPHATE - PC612 COLOUR LIGHT GREY OR EQUIVALENT PRIMER.

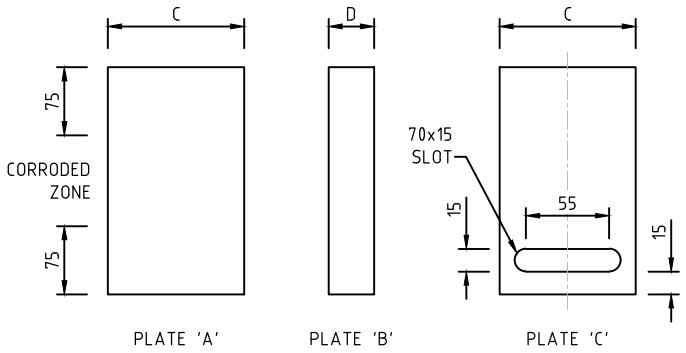
TOPCOAT: IN ACCORDANCE WITH PAINT REFERENCE NO AS/NZS 2312 - C17 - ALKYD MICACEOUS IRON OXIDE PAINT TO AS 3750.12 DULUX FERRODOR 810 - PC552 COLOUR LIGHT GREY OR EQUIVALENT TOPCOAT. SYSTEM: 1 x LUXAPRIME ZP @ 75 MICRONS + 2 x DULUX FERRODOR 2 @ 50 MICRONS.

DETAIL 1/- SCALE 1:10

## REPAIR ARRANGEMENT

PLATE 'C' OPTION USED WHEN THERE IS INSUFFICIENT SPACE TO WELD BOTTOM EDGE OF PLATE 'A'.
PLUG WELD MAY BE USED IN SLOT.
SEE PLATE 'C' DETAIL.

| STOBIE POLE TYPE | DIMENSIONS | | | |
|---|---|---|---|---|
| | A | B | C | D |
| MARK 1 | 102 | 51 | 90 | 30 |
| MARK 3 & 7 | 127 | 64 | 115 | 50 |
| MARK 11, 16 & 20 | 152 | 76 | 140 | 50 |




## REPAIR PLATE DETAILS

MATERIAL: 10 PLATE TO AS:3678-250

## NOTES:

1. ALL WELDING TO BE IN ACCORDANCE WITH AS 1554.1.
2. WELDS TO BE CATEGORY GP.
3. EXTENT OF WELD INSPECTION (REFER TO AS 1554.1) TO BE
   - VISUAL SCANNING 100% OF WELDS.
   - VISUAL EXAMINATION 10% OF WELDS.
4. E41XX ELECTRODES SHALL BE USED FOR ALL WELDS, PRE APPROVED TO AS 1554.1.
5. CONTRACTOR TO PROVIDE A COMPLETED WELDING PROCEDURE SPECIFICATION USING THE 'WELDING PROCEDURE SPECIFICATION' IN AS 1554.1 APPENDIX C WHICH HAS BEEN APPROVED BY THE WELDING SUPERVISOR.
6. WELDING TO BE CARRIED OUT BY A TRADE-QUALIFIED WELDER WITH WORK TO BE SUPERVISED AND INSPECTED BY A WELDING SUPERVISOR MEETING THE REQUIREMENTS OF CLAUSE 4.12.1 IN AS 1554.1.
7. ON COMPLETION OF THE WORK THE CONTRACTOR SHALL PROVIDE TASNETWORKS WITH A CERTIFICATE LISTING THE POLE UNIQUE ID AND POLE NUMBER WHERE REPAIRS HAVE BEEN UNDERTAKEN, CONFIRMATION THAT WELDS HAVE BEEN COMPLETED AND INSPECTED IN ACCORDANCE WITH THIS DRAWING AND THE WELDING PROCEDURE AND SIGNED BY THE WELDER, WELDING SUPERVISOR AND THE CONTRACTORS REPRESENTATIVE.
8. UNDER NO CIRCUMSTANCES SHALL THE REMAINING THICKNESS OF MATERIAL IN THE CORRODED ZONE BE REDUCED BY GRINDING, SANDING OR ANY OTHER MEANS TO LESS THAN 50% OF THE ORIGINAL THICKNESS. SHOULD THE REMAINING METAL BE LESS THAN 50% THEN CONTACT SENIOR ENGINEER (OVERHEAD) BEFORE PROCEEDING.
9. PRIOR TO WELDING, STEEL SHOULD BE CLEAN AND FREE OF DEBRIS.
10. THE MAXIMUM LENGTH OF PLATE A,B OR C SHALL NOT EXCEED 650mm.
11. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F106-SD-007

BM REV A

ALTERATIONS | ORIGINAL ISSUE

REFERENCE

NEW DRAWING: SUPERSEDES D-OHC-K017-SD-001

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: STOBIE POLE REINSTATEMENT REPAIR PLATES ARRANGEMENT AND DETAILS

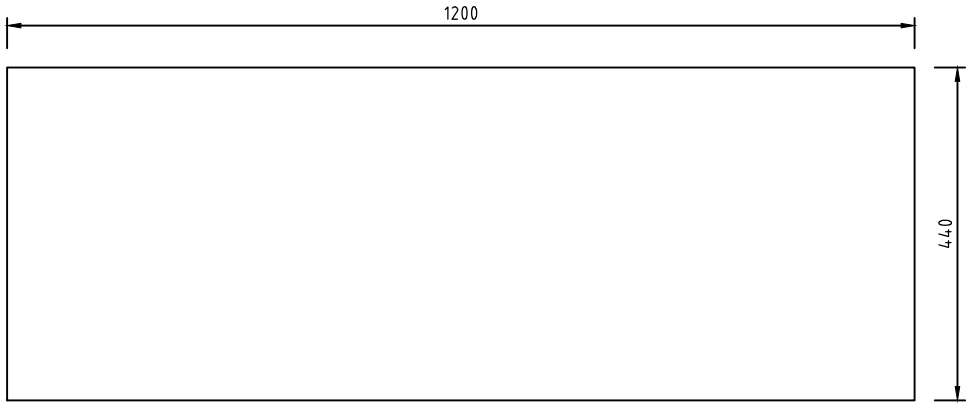
SCALE: NTS

A4

D - OHC - F106 - SD - 007

REVISION: A

DWG STATUS STANDARD



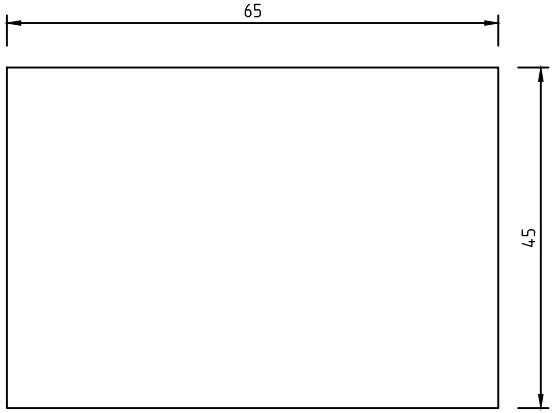

WOOD POLE POSSUM GUARD

188510

MATERIAL: 0.4 G300 AZ150 COLOURBOND SHEET

COLOUR: MIST GREEN

SCALE: 1:10




POLE INSPECTION MARKER

323383

MATERIAL: 1.0 ALUMINIUM SHEET 5005H34 TO AS/NZ 1734

SCALE: 1:1

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

| ALTERATIONS | |
|---|---|
| ORIGINAL ISSUE | |

| REFERENCE |
|---|
| NEW DRAWING: SUPERSEDES D-OHC-K019-SD-001 |

TasNetworks

| | |
|---|---|
| DRAWN | MEGAVAR PTY LTD |
| DRAFTING CHECK | MEGAVAR PTY LTD |
| DESIGNED BY | T.JOVZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE METALWORK COMPONENTS
POSSUM GUARD DETAILS &
INSPECTION MARKER DETAILS

SCALE: NTS

A4

D - OHC - F107 - SD - 001

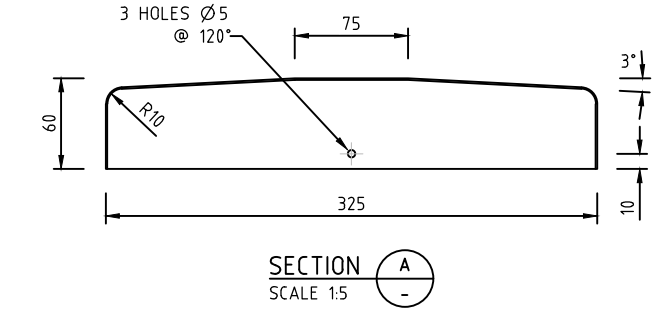
REVISION: A

EMF/PDF CREATION DATE 18/12/2025

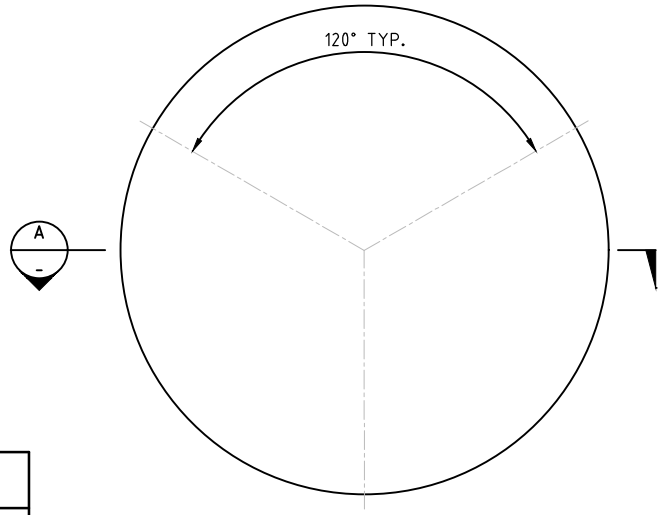
BM DWG NO D-OHC-F107-SD-001

BM REV A

DWG STATUS STANDARD

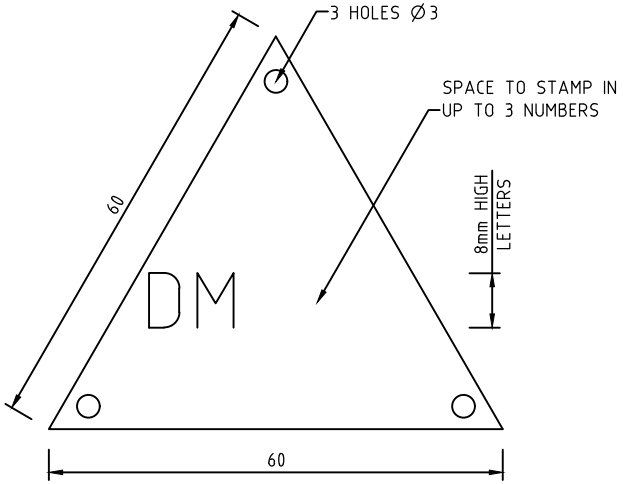



SECTION A-A
SCALE 1:5




POLE CAP
MATERIAL: GMS 1.0mm (MIN.)
SCALE: 1:5

| POLE CAP | | |
|---|---|---|
| DIA (mm) | STOCK ITEM NUMBER | MASS (g) |
| 200 | 323343 | 500 |
| 225 | 323344 | |
| 250 | 323345 | |
| 275 | 323346 | |
| 300 | 323347 | |
| 325 | 323376 | 1000 |




DEVELOPMENT MAINS TAG
323385
MATERIAL: 0.8mm ZINCANNEAL G2S TO AS 1365 & AS 1397
FINISH: PAINTED YELLOW
SCALE 1:1

NOTES:

1. HOT DIP GALVANISED TO AS/NZS 4680
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

ALTERATIONS
ORIGINAL ISSUE

REFERENCE
NEW DRAWING: SUPERSEDES
D-OHC-K019-SD-002

TasNetworks

| | |
|---|---|
| DRAWN | AMSS |
| DRAFTING CHECK | AMSS |
| DESIGNED BY | T.JONYZHKA |
| CHECKED BY | B.PAPALIA |
| APPROVED BY | B.PAPALIA |
| DATE APPROVED | 08-05-2026 |



TITLE: POLE METALWORK COMPONENTS
POLE CAP DETAILS
DEVELOPMENT MAINS TAG DETAILS

SCALE: NTS
A4
REVISION: B

D - OHC - F107 - SD - 002

EMF/PDF CREATION DATE 18/12/2025

BM DWG NO D-OHC-F107-SD-002

BM REV B

DWG STATUS STANDARD