

LED LUMINAIRE (INCORPORATING A 7 PIN NEMA RECEPTACLE AND NEMA PE CELL)  
 MAXIMUM WEIGHT: 8.4kg  
 MAXIMUM WIND CATCHING AREA: 0.13m<sup>2</sup>  
 MAXIMUM HEIGHT: 275mm

TOTAL MAXIMUM HEIGHT OF PEDESTRIAN LIGHT POLE AND LUMINAIRE TO NOT EXCEED 3275mm.

FOR NEW INSTALLATIONS REFER TO SHEET 7(BSD-11004)

**STRUCTURAL NOTE:**

THE NEW POLE DESIGN IS OF SIMILAR HEIGHT, MASS AND WIND LOADING TO THE ORIGINAL POLE (REFER TO DRAWING FD-0006-1: WITH A MAXIMUM HEIGHT OF 3110mm). THEREFORE IT IS CONSIDERED THAT THE NEW POLE CAN BE MOUNTED ONTO FOOTING THAT WERE CERTIFIED FOR THE ORIGINAL POLE (WHERE RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY AND STRENGTH OF PREVIOUSLY CERTIFIED FOOTINGS REMAINING WITH THE ORIGINAL CERTIFYING ENGINEERS).

THIS OFFICE ASSUMES NO RESPONSIBILITY FOR THE DESIGN AND PERFORMANCE OF THE EXISTING FOOTING. IT IS THE RESPONSIBILITY OF THE BUILDER TO ENSURE THAT THE EXISTING FOOTINGS ARE FREE FROM STRUCTURAL CRACKS ETC. AND WITHIN THE BUILDING DEFECTS TOLERANCE LIMITS. ALL EXISTING FOOTINGS THAT CANNOT BE SUFFICIENTLY TESTED FOR STRENGTH MUST USE THE NEW, REDESIGNED FOOTING.

**DESIGN NOTES:**

- STRUCTURAL ELEMENTS DESIGNED FOR THE FOLLOWING WIND CONDITIONS:
  - LOCATION AND WIND: CITY OF BRISBANE, REGION B, ULTIMATE VR: 57 m/s, SERVICEABILITY VR: 39m/s
  - COMPONENTS CERTIFIED: MAIN STRUCTURE
- SHOULD CONDITIONS VARY FROM THOSE DESCRIBED, SEEK PROFESSIONAL ENGINEERING ADVICE.
- LED LUMINAIRE, ACCESS HATCH, LOGO BADGE AND MAIN BODY ASSEMBLY AS PER MANUFACTURER'S SPECIFICATIONS.
- ORIGINAL CERTIFICATION SHALL NOT BE CONSTRUED AS RELIEVING ANY OTHER PARTY OR THEIR RESPONSIBILITIES, LIABILITIES OR CONTRACTUAL OBLIGATIONS.

**STANDARDS**

DESIGNED IN ACCORDANCE WITH, FABRICATED AND INSTALLED TO MEET THE FOLLOWING STANDARDS:

- AS1428.4.1 - TACTILE GROUND SURFACE INDICATORS FOR THE ORIENTATION OF PEOPLE WITH VISION IMPAIRMENT.
- AUSTROADS GUIDE TO ROAD DESIGN, PART 6B: ROADSIDE ENVIRONMENT.
- AS1158.3.1 - ROAD LIGHTING , PART 3.1: PEDESTRIAN AREA (CATEGORY P) LIGHTING - PERFORMANCE AND INSTALLATION DESIGN REQUIREMENTS.
- AS1627.4 - METAL FINISHING - PREPARATION AND PRE-TREATMENT OF SURFACES - ABRASIVE BLAST CLEANING OF STEEL.
- AS2312/AMDT 1 - GUIDE TO PROTECTION OF IRON AND STEEL AGAINST EXTERIOR ATMOSPHERIC CORROSION.
- AS4680 - HOT DIP GALVANISING.
- AS4506 - METAL FINISHING-THERMOSET POWDER COATINGS.
- AS/NZS3000 - ELECTRICAL INSTALLATIONS

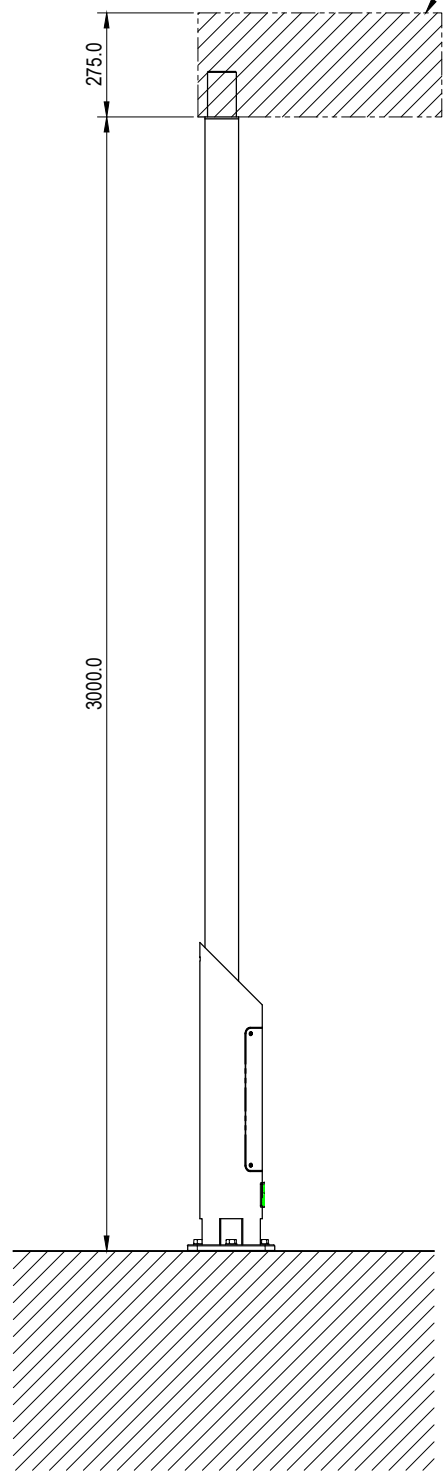
**NOTES:**

PART SHOULD BE SUPPLIED CLEAN AND FREE FROM MARKS, BURRS, SCUFFS, DISTORTION AND WARPAGE.

- ALL TOLERANCES ± 1.5mm UNLESS OTHERWISE SPECIFIED.
- DRAWING TO AS1100 DRAWING STANDARDS.
- WELDING TO BE IN ACCORDANCE WITH AS1554.1 CAT GP WELDING, ALL SHARP EDGES & BURRS REMOVED.
- POWDER COATING TO BE IN ACCORDANCE TO AS4506 EXTERNAL EXPOSURE STANDARD WITH PRE-TREATMENT SAND BLAST, ZINC PHOSPHATE, ETC.
- ENSURE ANTI-SEIZE IS ON ALL NUTS AND BOLTS PRIOR TO ASSEMBLY.
- 316 S.S. AND 316 S.S. FASTENERS TO BE USED THROUGHOUT FOR COASTAL INSTALLATIONS OR ANY ENVIRONMENT WITH HIGH CORROSION.
- LIGHTING DESIGN IS TO BE CERTIFIED BY AN ELECTRICAL RPEQ OR MIES AND ELECTRICAL DESIGN IS TO BE CERTIFIED BY AN ELECTRICAL RPEQ.
- THE CONTRACTOR IS TO ENSURE THAT ALL SERVICE PROVIDER APPROVALS ARE IN PLACE PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL ELECTRICAL WORK IS TO BE UNDERTAKEN BY A QUEENSLAND LICENSED ELECTRICAL CONTRACTOR TO AUSTRALIAN STANDARDS AND COUNCIL REQUIREMENTS.
- CONCRETE TO BE N25 AND COVER TO ALL REINFORCING STEEL TO BE 50mm.
- ANY DESIGN AMENDMENTS THAT DIFFER FROM THESE DRAWINGS, INCLUDING LUMINAIRE OR OTHER POLE LOADING REQUIREMENTS WILL REQUIRE CERTIFICATION FROM A SUITABLY QUALIFIED ENGINEER.

**MATERIALS**

- MATERIAL: SEE COMPONENT DRAWING
- COLOUR: SEE COMPONENT DRAWING
- FINISH: SEE COMPONENT DRAWING

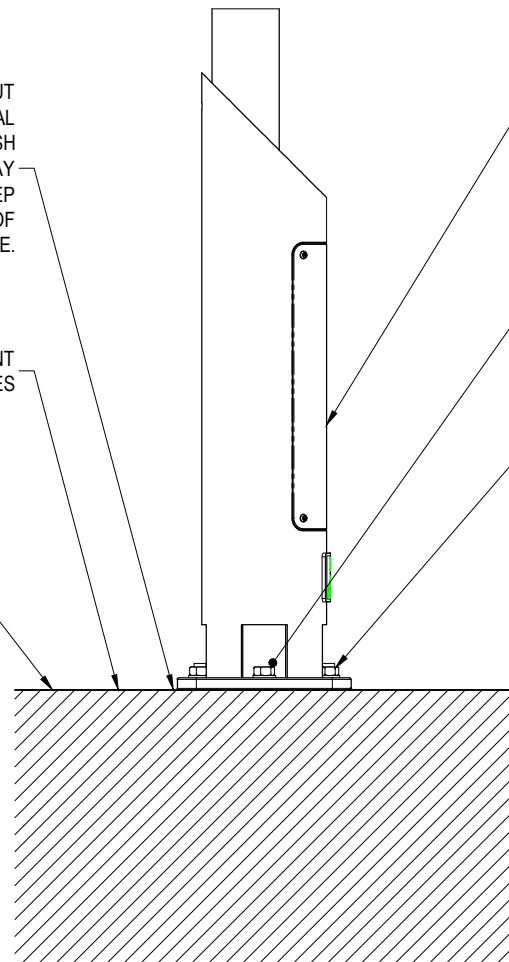


RIGHT VIEW  
SCALE 1:20

SEAL EXTERNAL BASE OF POLES WITH A NON-SHRINK GROUT UNDER BASE WITH MORTAR MIX OR SIMILAR SUITABLE MATERIAL TO PREVENT INGRESS OF VERMIN. ENSURE THE GROUT IS FLUSH WITH THE UNDERSIDE OF THE BASE PLATE AND TAPERED AWAY FROM THE POLE AT APPROXIMATELY 45°. A MINIMUM 12mm WEEP HOLE IS RECOMMENDED TO ALLOW FOR DRAINAGE OF CONDENSATION FROM INSIDE THE POLE.

REFER TO BSD-5202, 5206, 5207 AND 5210 FOR PAVEMENT DETAILS. REFER TO PROJECT DRAWINGS FOR FINISHES

EXISTING FOOTING.  
REFER TO SUPERSEDED DRAWING UMS 594 FOR DETAIL (ACCESSIBLE ON BRISBANE CITY COUNCIL WEBSTER).



FOOTING DETAIL  
NOT TO SCALE

3 METRE PEDESTRIAN LIGHT POLE.

WHERE MODIFICATIONS (CUTTING) ARE REQUIRED TO THE EXISTING RAG BOLT ASSEMBLY DUE TO FINISH HEIGHTS OF NEW POLE - REFER TO DEPARTMENT OF TRANSPORT AND MAIN ROADS SPECIFICATION (MRTS78 - FABRICATION OF STRUCTURAL STEELWORK - INCLUDING BUT NOT LIMITED TO 11.3.3 - SUBSEQUENT REPAIRS TO COATINGS).

M16 316 STAINLESS STEEL NUT AND WASHER.

THE FITNESS FOR PURPOSE OF THIS STANDARD DRAWING FOR A SPECIFIC PROJECT SHALL BE ASSESSED AND ACCEPTED BY A SUITABLY QUALIFIED REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND (RPEQ).



BRISBANE CITY COUNCIL STANDARD DRAWING

3 METRE PEDESTRIAN LIGHT POLE  
INSTALLATION ON EXISTING FOOTING  
SHEET 8 OF 8

PUBLISH DATE		March 2021
SCALE		1:10
DRAWING NUMBER		BSD-11004
ORIGINAL SIZE	REVISION	
A3	C	