

NOTES:

1. This drawing complies with the requirements of AS/NZS 3000 clause 1.9.4 compliance by specific design and installation rather than Part 2 deemed to comply.
2. Rate-3 road lighting to joint use poles and combination mast arms may be used only where the local Electricity Entity will not supply Rate-2 road lighting.
3. Connection to Electricity Entity Network to be in accordance with local Electricity Entity requirements.
4. Single Phase only shown.
5. Install label inside each door of pole/mast arm.
Label size 120x80, font Arial 22, Permanent black on yellow, Permanent adhesive.
6. Project designers must ensure the specific project design complies with the performance requirements of AS/NZS 3000 and in particular the earth fault loop impedance and disconnect time requirements to minimise the risk of body shock currents.
7. Dimensions are in millimetres unless shown otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:

- Standard Drawings
- Specifications

REFERENCED DOCUMENTS:

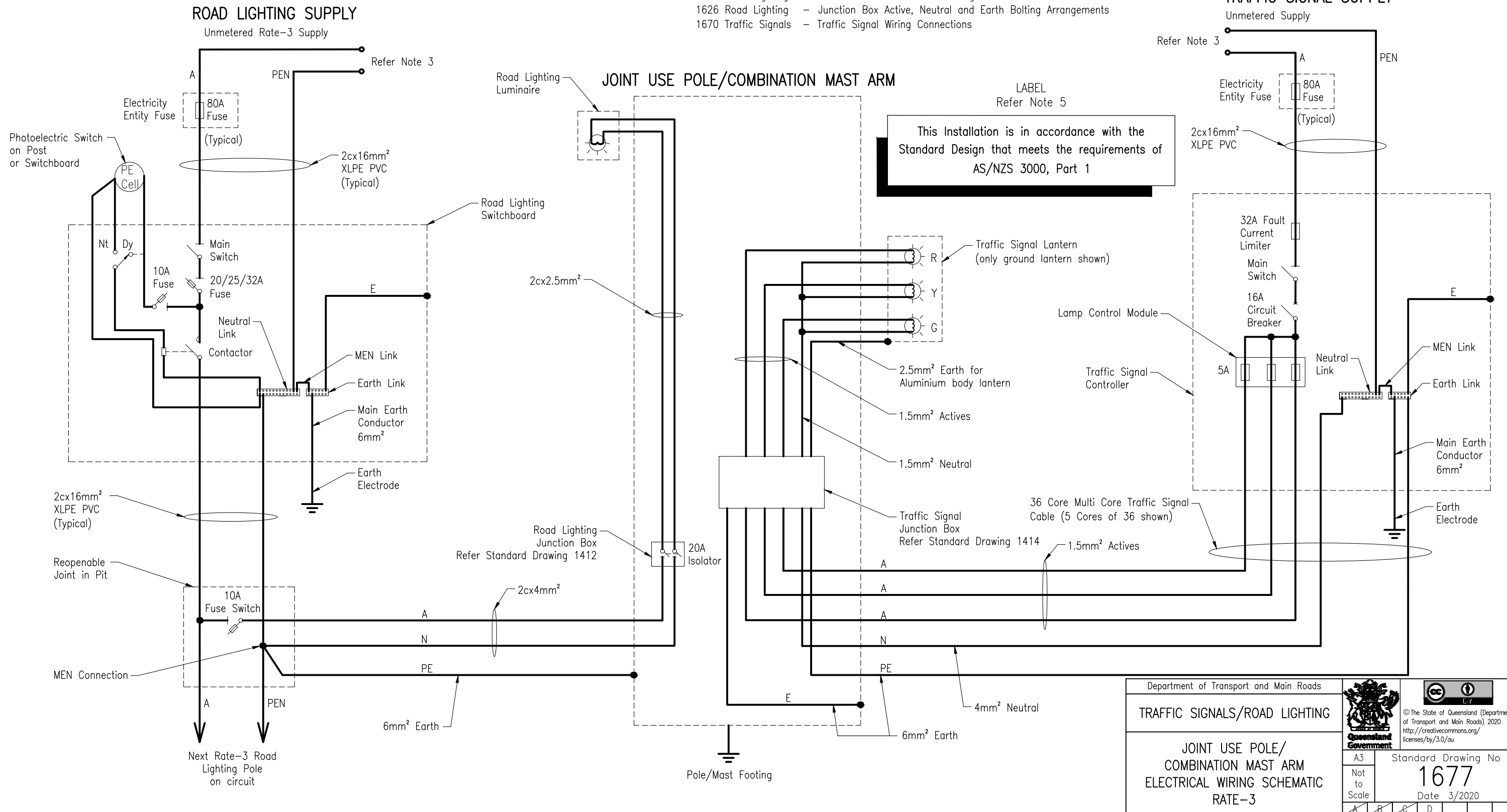
- Departmental Standard Drawings:
- 1377 Traffic Signals/Road Lighting – Joint Use Traffic Signal and Road Lighting Pole
 - 1399 Road Lighting – Base Plate Mounted Pole Wiring Details
 - 1408 Traffic Signals – Traffic Signal Terminal Panel for Joint Use Poles Wiring Details
 - 1412 Road Lighting – Mast Arm Road Lighting Junction Box (Type B) Wiring Details
 - 1414 Traffic Signals – Mast Arm Traffic Signals Junction Box (Type A) Wiring Details
 - 1420 Traffic Signals – General Arrangements
 - 1427 Traffic Signals/Road Lighting – Mast Arm (U Series) Installation Details
 - 1623 Road Lighting – Switchboard Typical Layout and Circuit Diagram MEN System
 - 1624 Road Lighting – Junction Box Single Phase Wiring Details
 - 1625 Road Lighting – Junction Box Three Phase Wiring Details
 - 1626 Road Lighting – Junction Box Active, Neutral and Earth Bolting Arrangements
 - 1670 Traffic Signals – Traffic Signal Wiring Connections

Departmental Specifications:

- MRTS93 Traffic Signals
- MRTS94 Road Lighting
- MRTS228 Electrical Switchboards
- MRTS256 Power Cables
- TRUM Vol 4 Part 3: Electrical Design for Roadside Devices

Australian Standards:

- AS/NZS 3000 Electrical Installations (Wiring Rules)



Department of Transport and Main Roads			
TRAFFIC SIGNALS/ROAD LIGHTING			
JOINT USE POLE/COMBINATION MAST ARM ELECTRICAL WIRING SCHEMATIC RATE-3		A3 Not to Scale	Standard Drawing No 1677 Date 3/2020
A	B	C	D