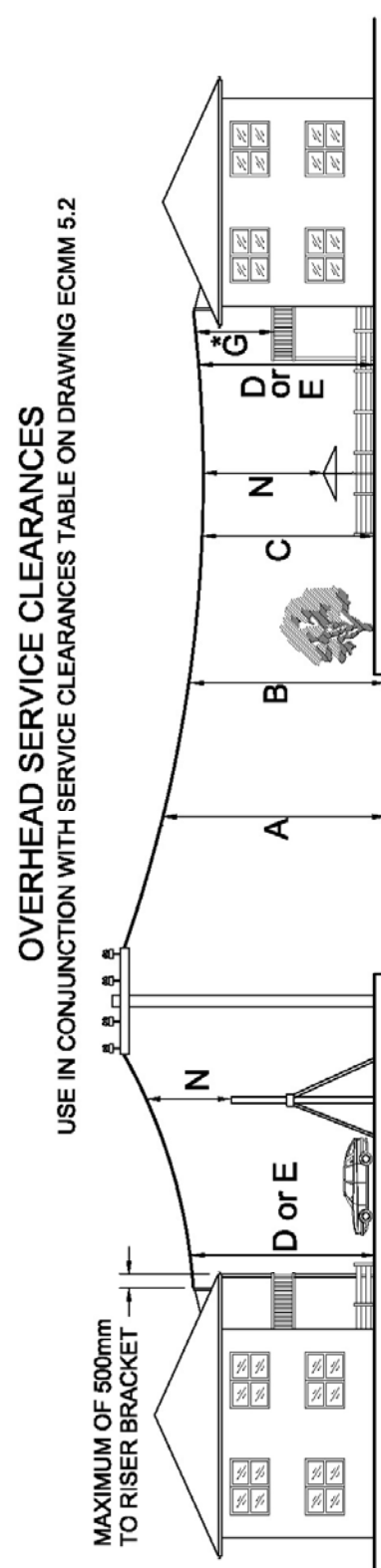
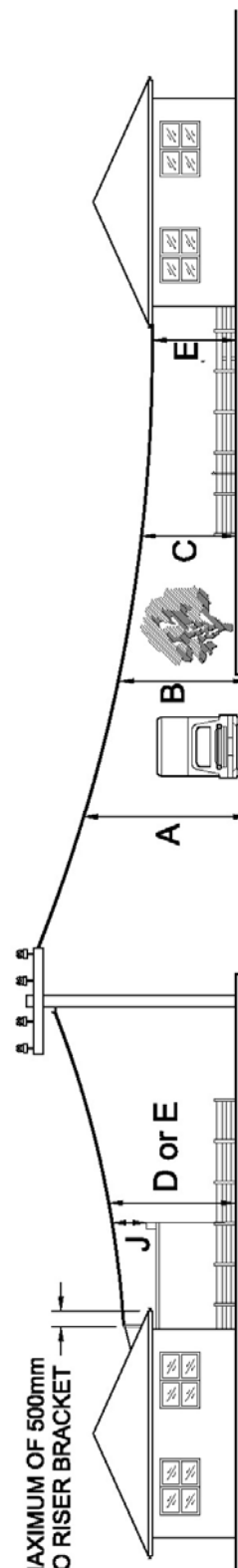
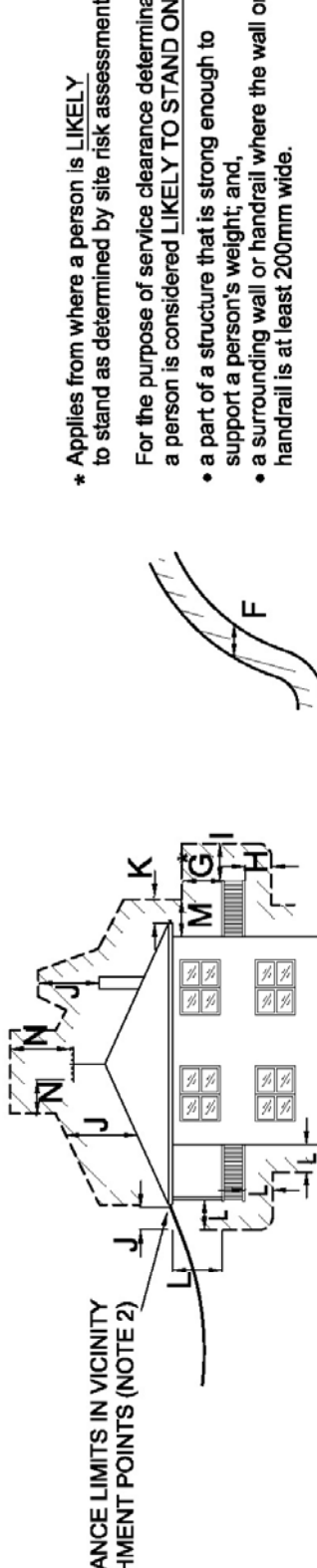


OVERHEAD SERVICE CLEARANCES		
<p>USE IN CONJUNCTION WITH SERVICE CLEARANCES TABLE ON DRAWING ECMM 5.2</p>  <p>MAXIMUM OF 500mm TO RISER BRACKET</p>	<p>* Applies from where a person is LIKELY to stand as determined by site risk assessment.</p> <p>For the purpose of service clearance determination, a person is considered LIKELY TO STAND ON:</p> <ul style="list-style-type: none"> • a part of a structure that is strong enough to support a person's weight; and, • a surrounding wall or handrail where the wall or handrail is at least 200mm wide. 	
 <p>MAXIMUM OF 500mm TO RISER BRACKET</p>		
 <p>NO CLEARANCE LIMITS IN VICINITY OF ATTACHMENT POINTS (NOTE 2)</p>		
<p>Revision: A</p>	<p>OVERHEAD SERVICE CLEARANCES</p>	<p>ECMM - 5.1</p>

SERVICE CLEARANCE TABLE

Neutral Screened and Insulated Cables

CODE	LOCATION	DIRECTION	INSULATED SERVICE CABLE
MINIMUM CLEARANCE FROM GROUND ROADS			
A	At centre-line of the carriageway	VERTICALLY	5.5m
B	At kerb line (bottom of kerb)	VERTICALLY	4.9m
C	At fence alignment	VERTICALLY	3.7m
OTHER THAN ROADS			
D	Private driveways and areas including elevated areas used by vehicles	VERTICALLY	4.5m
E	Areas not normally used by vehicles	VERTICALLY	2.7m
F	Road cuttings, embankments and other similar places.	HORIZONTALLY	1.5m
MINIMUM CLEARANCE FROM STRUCTURES AND BUILDINGS			
G	Unroofed terraces, balconies, sun-decks, paved areas, and similar areas that are subject to pedestrian traffic only, that have a hand rail or wall surrounding the area and on which a person is likely to stand (Note 2) must be-	VERTICALLY ABOVE	2.4m
H		VERTICALLY BELOW	1.2m
I		HORIZONTALLY (Note 1)	0.9m
J	Roofs or similar structures not used for traffic or resort but on which a person is likely to stand, and for parapets surrounding roofs or similar structures not used for traffic or resort but on which a person is likely to stand (Note 2) must be-	VERTICALLY	0.5m
K		HORIZONTALLY (Note 1)	0.2m
L	Covered places of traffic or resort, including for example windows which are capable of being opened, roofed open verandahs and covered balconies must be (Note 6)	IN ANY DIRECTION	1.2m
M	Blank walls, windows which cannot be opened (Note 2) must be-	HORIZONTALLY	0.2m
N	Other structures not normally accessible to persons (Note 2) must be-	IN ANY DIRECTION	1.2m

NOTES :

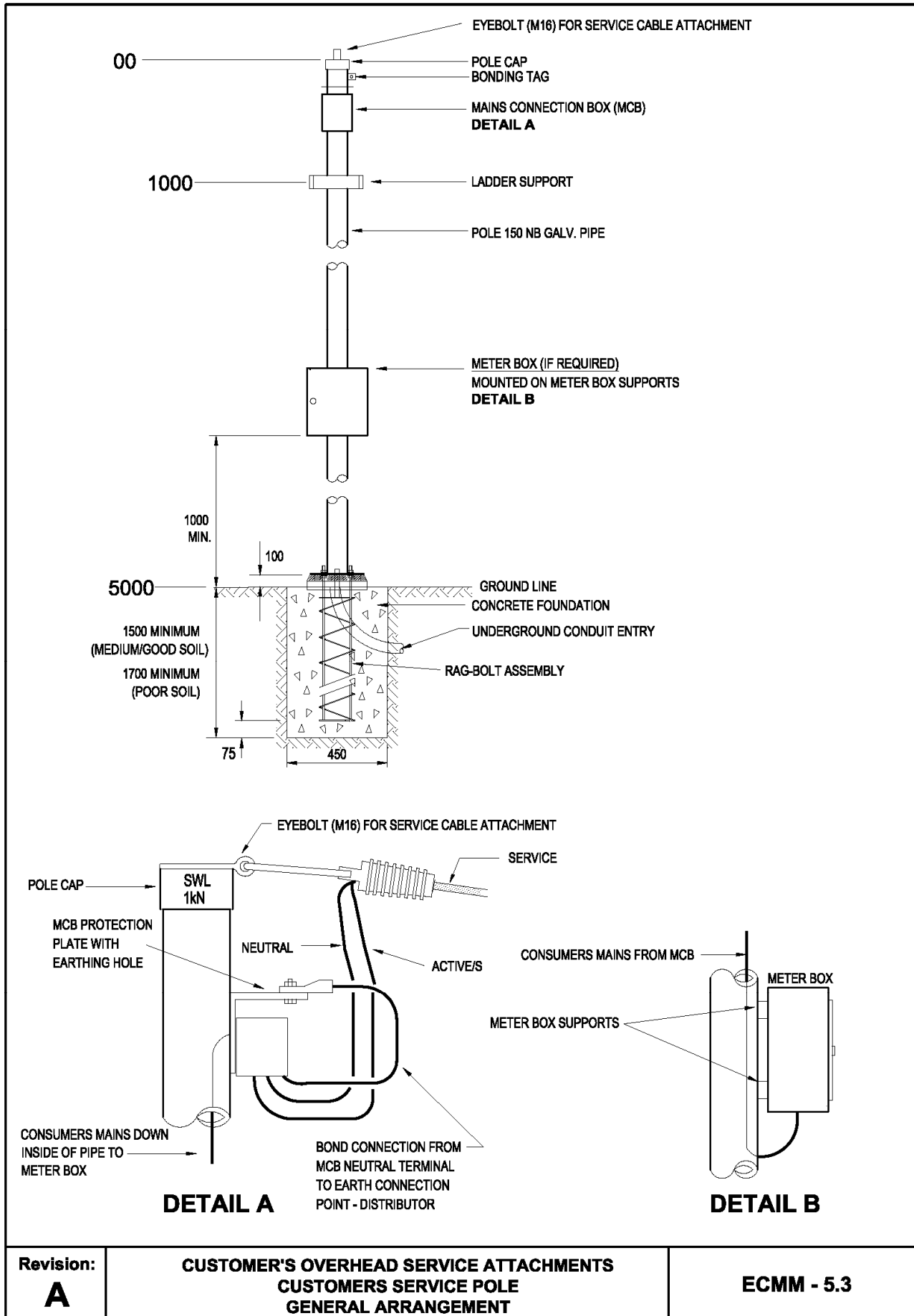
- Either the vertical clearance or the horizontal clearance stated must be maintained. Also, in the zone outside the vertical alignment of the building or structure, either the horizontal clearance from the vertical alignment, or vertical clearance above the horizontal level on which a person is likely to stand must be maintained.
- Stated clearances apply to a service line not attached to the part of the building described.
- The clearance stated does not apply to the part of the low voltage overhead service line not under tension. Drip loops are excluded however, consideration should be given to drip loop positioning. (Note: Point of supply is to be not more than 600mm from the point of attachment - POA).
- Where there is no formed footpath, the kerb line means:
 - the kerb line of a proposed footpath, or
 - where no footpath is proposed, the edge of the existing carriageway or of any proposed widening thereof.
- Where there is a formed footpath with kerb & channel, the kerb line means to the bottom of the channel.
- In situations where the eye screw of a consumer's installation is not provided with an earth tag and is in close proximity to metalwork, (eg the metalwork of a fascia) the eye screw shall be bonded to the earth tail of the house service neutral connector.
- Where a window sill is determined as not being a place a person is likely to stand (eg. hopper windows, security screened windows and sliding windows), a clearance of 2.4m vertically from floor or 1.2m horizontally shall apply
- For this table a conductor is taken to be insulated if it is insulated in accordance with AS/NZS 5000.1 (Electric cables - Polymeric insulated - For working voltage up to and including 0.6 / 1kV) or AS/NZS 3560.1 (Electric cables - Cross-linked polyethylene insulated - Aerial bundled - For working voltages up to and including 0.6 / 1 (1.2) kV). Otherwise, it is taken to be uninsulated.

Revision:
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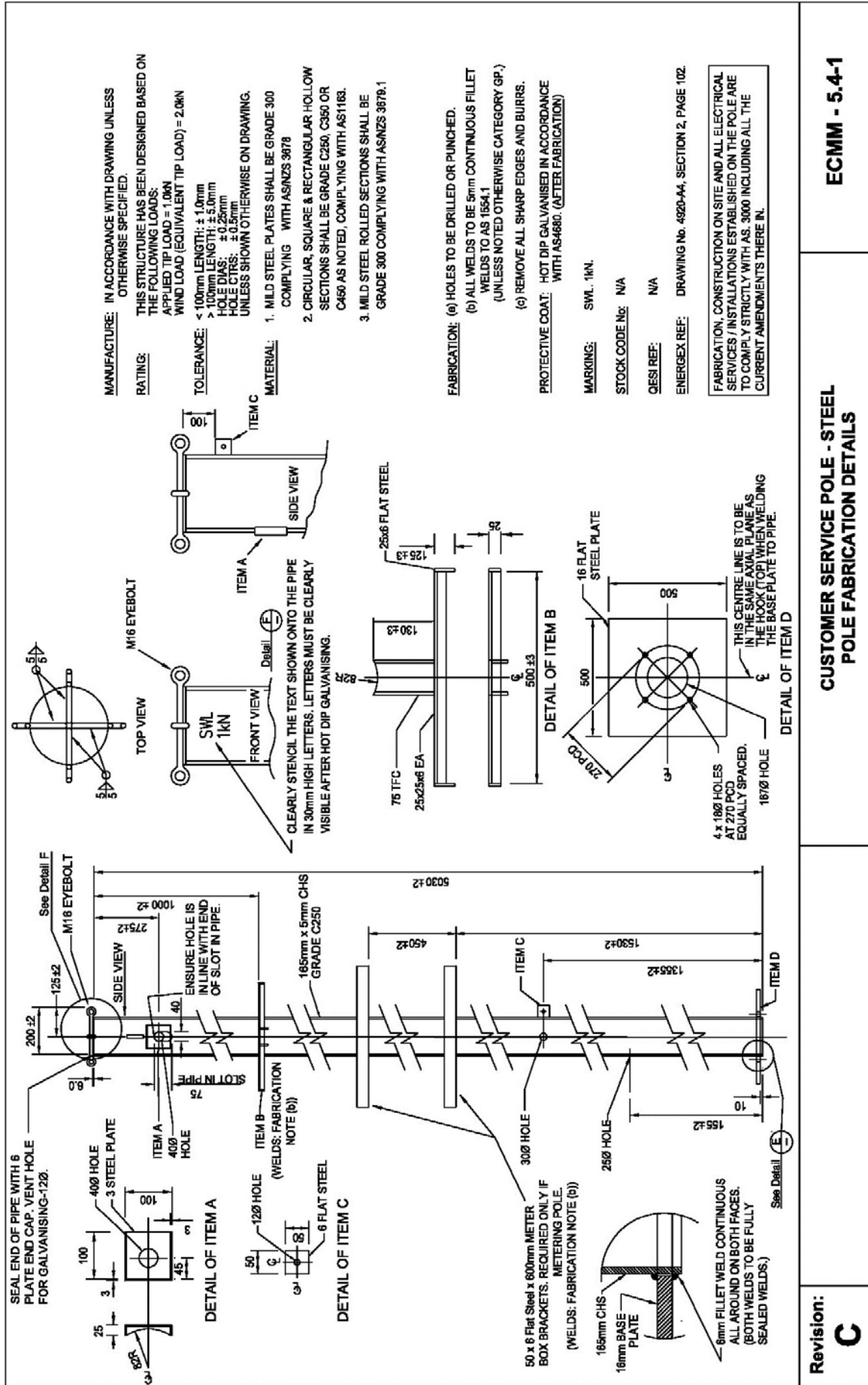
SERVICE CABLE CLEARANCES
FROM GROUND & STRUCTURES

ECMM - 5.2

QLD Electricity Connection and Metering Manual



QLD Electricity Connection and Metering Manual



CUSTOMER SERVICE POLE - STEEL
POLE FABRICATION DETAILS

ECMM - 5.4-1

Notes:

- All concrete work shall comply with AS 3600.
- Concrete Foundation:- F_c=20MPa., 80mm Slump, 20mm Max. AGG.
- Reinforcement :- Refer to fabrication details on this sheet.
- The owner/contractor shall be responsible for the correct setting out of works. The owner/contractor shall establish the actual position of all services on site before commencing work on the site.
- All excavation work and excavation protection shall comply with regulation 13 - "Workplace Health and Safety Regulations" - 1989 including latest amendments.
- The owner/contractor shall comply with acts of parliament, statutory, municipal and other regulations, or bylaws in any way affecting the working particular with regard to: (A) Workplace Health and Safety Act (B) Protection of Public Utilities (C) Traffic Hazards and Public Safety.
- The owner/contractor shall be responsible for any damage to public utility service installations such as water, gas and sewer pipes, electrical, traffic signal or telephone conduits and shall bear the costs of reinstating any service damaged during construction of the works. This foundation has been designed based on Natural Ground having a minimum safe bearing capacity of 100kPa. Should the owner/contractor encounter unsuitable soil conditions at the site a Registered Professional Civil Engineer must be consulted prior to the construction of the foundation.

FABRICATION: CONSTRUCTION ON SITE AND ALL ELECTRICAL SERVICES / INSTALLATIONS ESTABLISHED ON THE POLE ARE TO COMPLY STRICTLY WITH AS/NZS 3000 INCLUDING ALL THE CURRENT AMENDMENTS THERE IN.

MATERIAL:
 N16 Deformed Bar Grade D500N conforming with AS4671
 R6 Structural Grade Plain Round Bar to AS 1302 Grade 230 R.
 M16 Hex. Head Nut Galvanised
 M16 Washer Flat Galvanised

FABRICATION:
 All welding in accordance with AS 1554.1
 All resulting thread forms shall have a tolerance class of 6H/6g (in accordance with AS 1275)

PROTECTIVE COAT:
 Hot dip galvanised in accordance with AS 4680 after fabrication.

Revision:
A

REINFORCEMENT FABRICATION CONSTRUCTION DETAILS

CUSTOMER SERVICE POLE - STEEL FOUNDATION CONSTRUCTION DETAILS

ECMM - 5.4-2