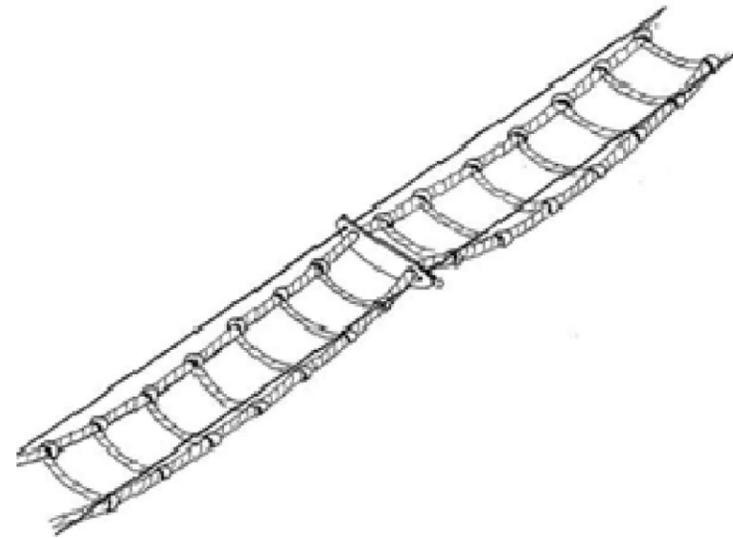


ROPE CAGE



ROPE LADDER

The typical construction on these drawings is considered to be sound, but is to be designed to suit site conditions.

All construction to be as per current Australian Standards and Building Codes, in accordance with MBRC requirements, and in a professional and tradesmanlike manner



**IAN BARNES & ASSOCIATES P/Ltd**  
 CONSULTING ENGINEERS  
 P.O. Box 1378  
 CABOOLTURE 4510

ASB 70 057802490  
 Office : 07 5495 8444  
 Mobile : 0418 873 320

RPEQ 3333 Date : 13/09/2017



**NOTES:**

- All dimensions in millimetres unless noted otherwise.
- Design Loads:- Live load = 0.6kN point load.
- Timber poles shall be fabricated from new or reclaimed power poles. All poles shall be pressure impregnated treated with ACQ timber preservative in accordance with the requirements of AS3818.11 section 5. The preservative penetration shall be in accordance with the requirements for hazard class H5 specified in AS1604.1 clause 6.2. The ACQ formulation shall be in accordance with the requirements of AS1604.1 table B2.
- The contractor is to monitor the handling of ACQ treated poles to ensure the outer treated surface is not damaged. ACQ poles that have surface damage must be treated to restore the termite barrier. Exposed areas on the ACQ treated poles shall be treated by hand painting with a preservative surface treatment compound (Copper Napthenate oil – CN timber oil).
- Timber poles to be backfilled with compacted stabilised sand OR no fines concrete (6 gravel:1 cement) after placement in ground.
- Steel items shall be hot dipped galvanised in accordance with AS4680 u.n.o.
- Bolts nuts and washers shall be hot dipped galvanised in accordance with AS1214 u.n.o.
- Damaged galvanised surfaces shall be repaired with a suitable two pack organic zinc rick primer.
- Contractor to engage RPEQ geotechnical engineer to verify assumed allowable bearing pressure of soil and provide design for the appropriate anchor (e.g. screw, ground log, concrete, etc.) for stay cables.
- Stainless steel components shall be grade 316SS u.n.o.
- Contact between stainless steel and galvanised elements should be avoided to reduce potential bimetallic corrosion from dissimilar metals in contact.
- Terminal ends of steel cable to have heliformed line fitting to match capacity of cable.
- Requirement for guardrail at proposed pole location to be investigated during the detailed design.

REVISIONS			INIT	DATE	SCALES	Drawn	BW	Date	07/16
E								Coordinator	PP
D					AUTHORISED  <b>SYD JERRAM</b> 07/07/16  Manager Integrated Transport Planning & Design RPEQ 6872				
C									
B	Approved by Structural Engineer	TC	7/17						
A	Structural Design Note Changed	RH	12/16						
X	ORIGINAL ISSUE	BW	07/16						

**FAUNA CROSSING  
 ROPE CAGE AND ROPE LADDER  
 TYPICAL DETAILS - SHEET 1 OF 2**



DRG No. **GI-0560**

ORIGINAL SIZE **A3**

REVISION **B**