



**LINDSTROM
ENGINEERING**

8 Wadell Rd
Gympie Q 4570

ABN: 31 619 756 053

Phone: (07) 5482 0500
Mobile: 0407 960 922

DESIGN CERTIFICATION

FOR: FERRUM ENGINEERING

CERTIFIED BY: AARON LINDSTROM, MIEAUST. CPENG. RPEQ 16913 (MECH.
& STRUCT.); LINDSTROM ENGINEERING

RE: SAFETY PROP CERTIFICATION

JOB REF NO: FE002

DATE: 19/06/2023

SIGNED:

EXTRACT
Email: sales@ferrumengineering.com for full signed copy.

Summary

Lindstrom Engineering was engaged by Ferrum Engineering to verify the structural performance of the Tilt Tray Safety Prop Device in conjunction with the Safety in Design process and Operations and Maintenance Manual in the appended documentation. The device as outlined in the appended drawings and the adjacent structure were found to satisfy the requirements of the following standards:

- AS 3990—1994, Mechanical equipment - Steelwork
- AS/NZS 1170.0—2002 Structural design actions — General principles
- AS/NZS 1170.1—2002 Structural design actions — Permanent, imposed and other actions

This certification is limited to the device as outlined in Appendix A when used in strict accordance with the operational limits outlined in Appendix B

Exclusions

Certification excludes:

- This certification pertains to the design as specified in the engineering drawings. It is the responsibility of the manufacturer ensure that the design is manufactured to specification and the plant operator to maintain the design in a safe working order.