

1 September 2021

## DESIGN CERTIFICATE

**To:** David Moore, VHPA**From:** Darcy Richardson, Cerecon**Date:** 1<sup>st</sup> September 2021**RE:** VHPA - Access Stile

---

As requested, Cerecon have completed a structural assessment and certification of the proposed access stile. To undertake this certification, Cerecon performed checks with consideration of the requirements in the following Australian Standards and document:

- AS1170.0 - 2002: Structural design actions
- AS4100-1998: Steel Structures
- AS1657: Platforms, walkways and ladders
- Provided design drawing

Our assessment and certification are based on the following parameters and assumptions:

- Live load factor: 1.5
- Handrail load: 0.6kN/0.35kN/m
- Stair live load: 2.5kPa
- $F_y=250\text{mpa}$  minimum

Based on the above parameters, assumptions and provided information, Cerecon certifies this design. This is on the basis that the installation of the Stile is completed in accordance with the attached drawing.

Sincerely,



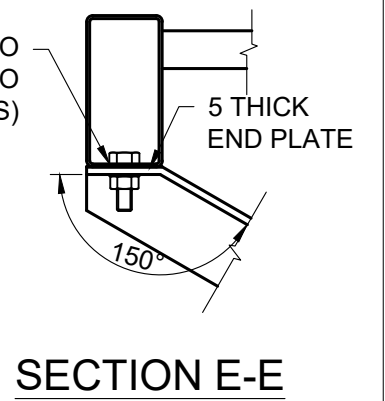
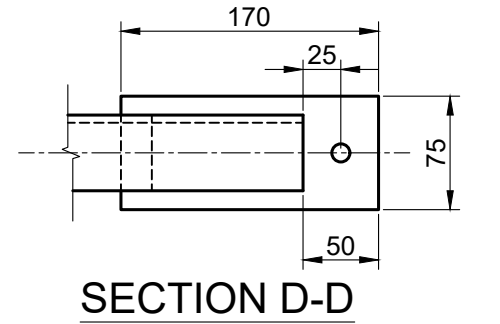
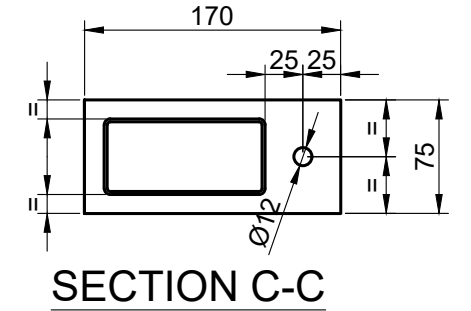
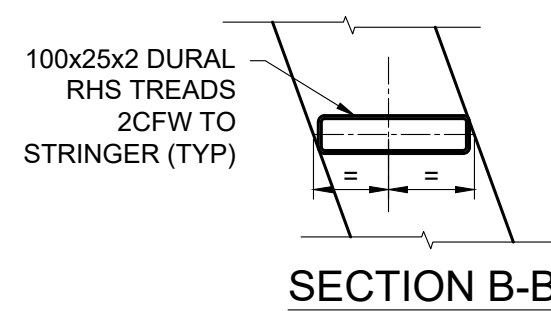
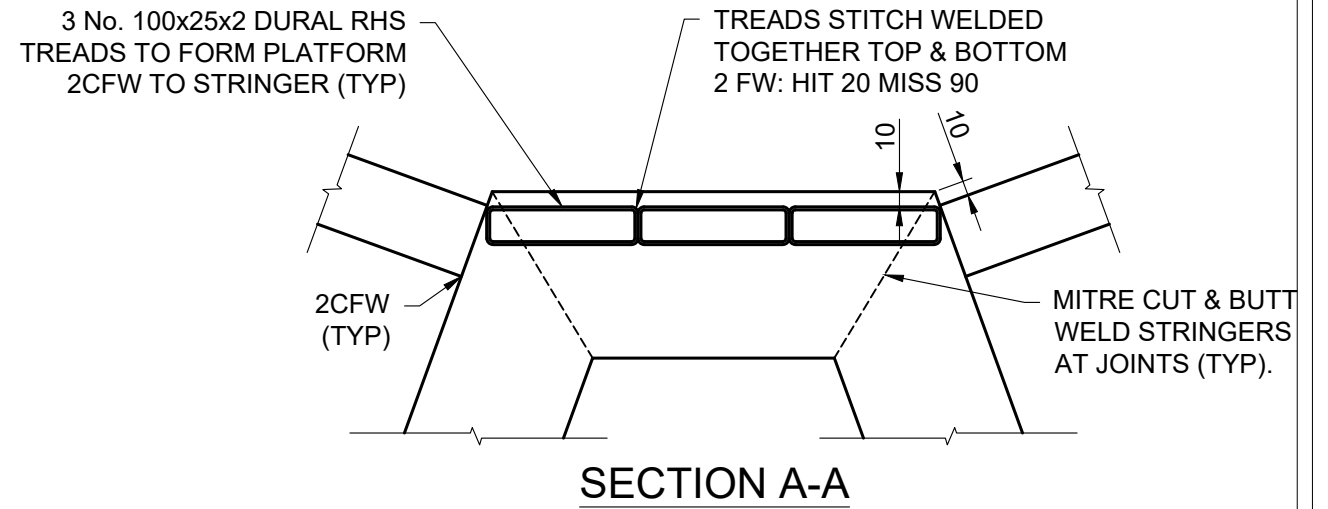
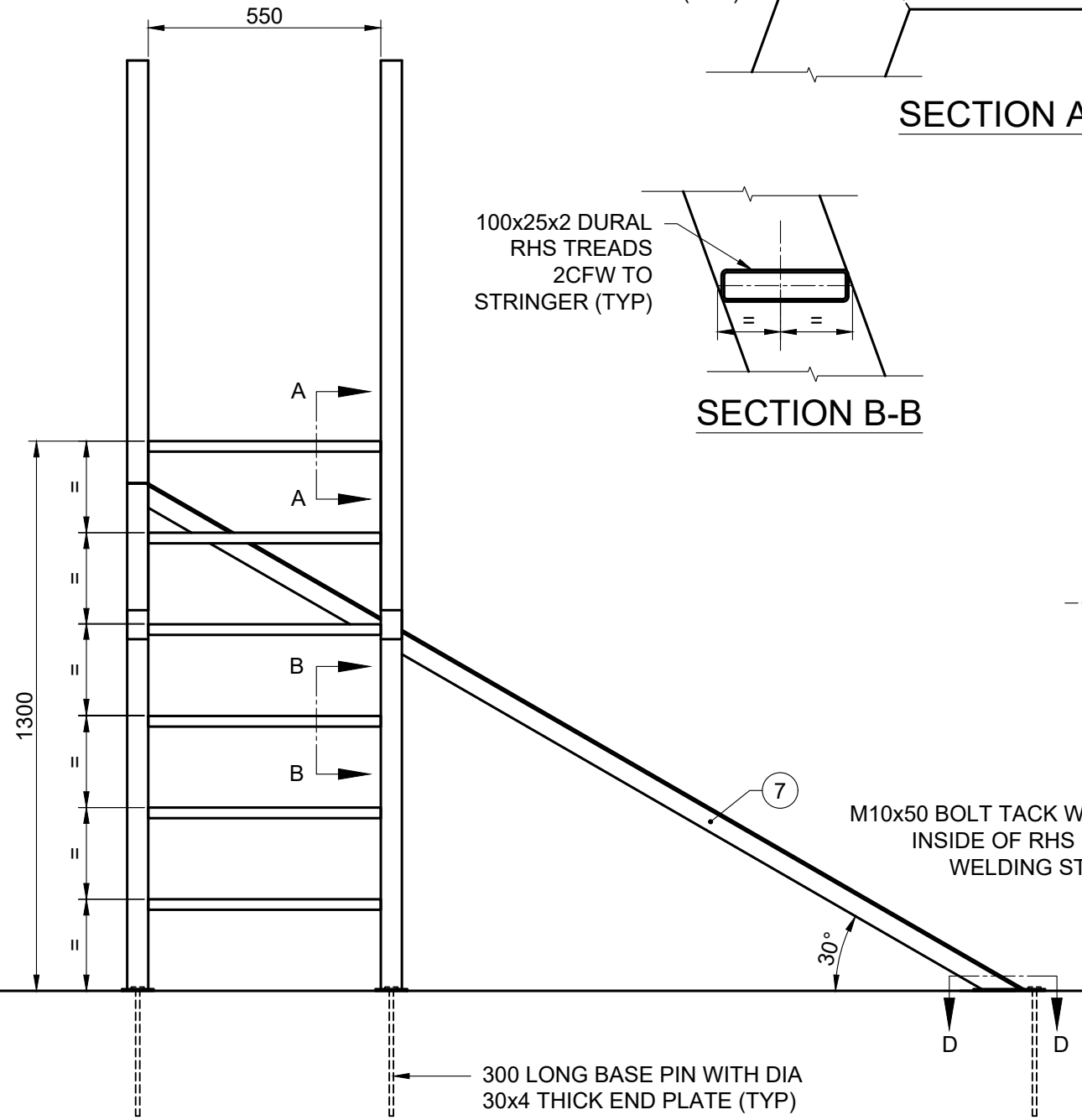
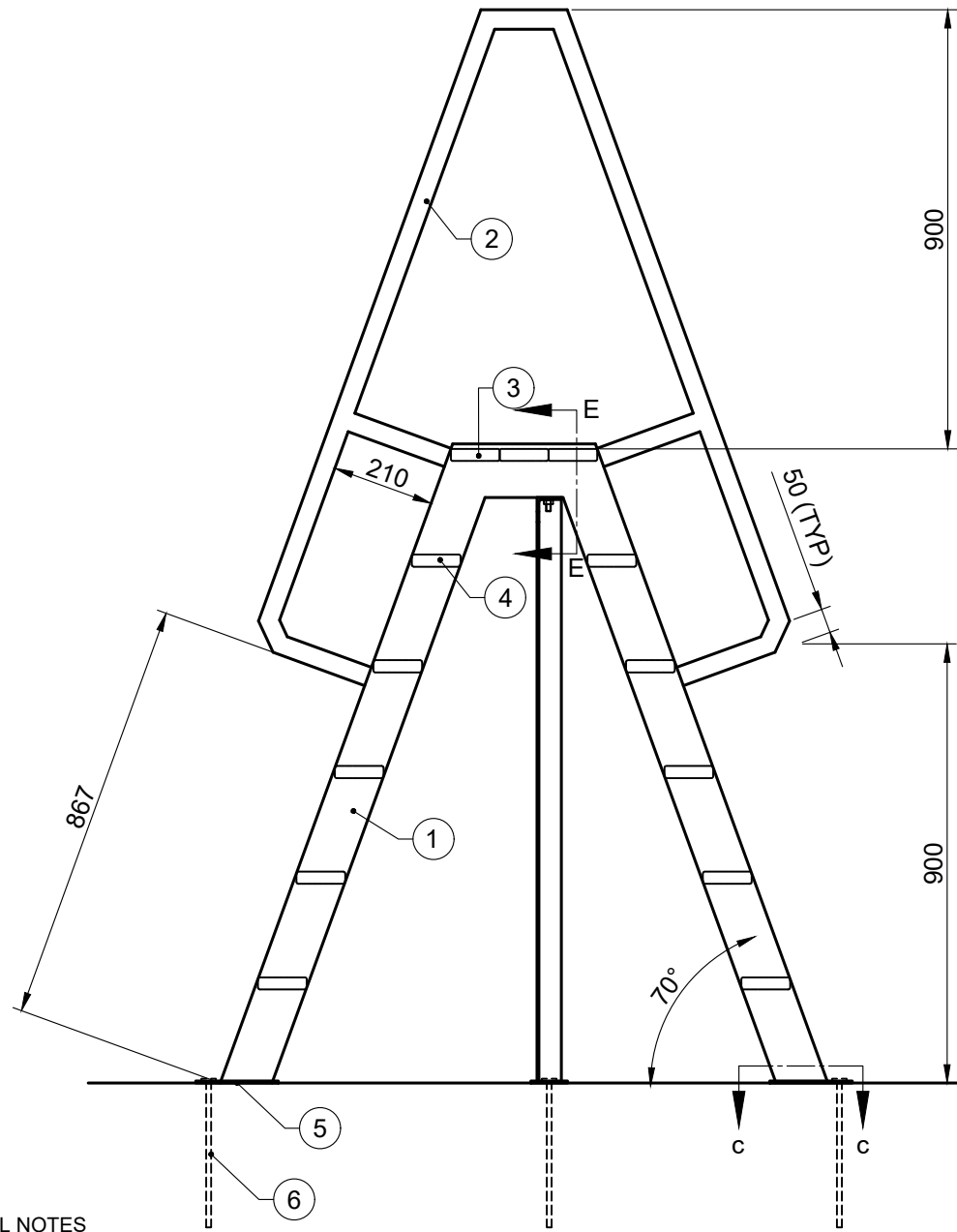
Darcy Richardson

**Managing Director**

BEng (Hons) (Civil), Adv Dip (Aerospace), MIEAust, CPEng, NER

## APPENDIX A: Access Stile Drawing

ITEM / MATERIAL LIST				
ITEM NO	DESCRIPTION	SECTION	No. OFF PER STILE	TOTAL LENGTH REQUIRED (m)
1	STRINGERS	100x50x2 DURAGAL RHS	2	6.2
2	HANDRAIL	40x2 DURAGAL SHS	2	7.2
3	PLATFORM	100x25x2 DURAGAL RHS	3	1.7
4	STANDARD TREAD	100x25x2 DURAGAL RHS	10	5.5
5	BASE PLATE	75x5 DURAGAL FLAT	5	0.9
6	BASE PIN	N10 DEFORMED BAR	5	1.5
7	BRACE	50x5 DURAGAL ANGLE	1	2.5



- GENERAL NOTES**
- 1) ALL WELDS 2 CFW UNO
  - 2) TREAT ALL WELDS WITH ZINC RICH PRIMER + EPOXY TOP COAT
  - 3) APPLY GRIP / ANTI-SLIP TAPE TO FULL TOP FACE OF ALL TREADS & PLATFORM SURFACES
  - 4) PLACE ON LEVEL AND WELL COMPACTED GROUND.
  - 5) ORIENTATE BRACE TO SUIT SITE (MAX OUT OF PLANE 30°)

Revision notes:		
Rev:	Date:	Notes:
B	28/8/21	Diagonal brace and fixing details added

<b>Drawn by:</b> D.Moore	<b>Client:</b> VHPA
-----------------------------	------------------------

<b>Sketch No:</b> SK01	<b>Drawing Title:</b> Corryong Fence Stile Typical arrangement and details
---------------------------	--

<b>Date:</b> 18/07/2021	<b>Revision:</b> B
<b>Scale @ A3:</b> 1:10 (Details & Section 1:5)	

