



Vipac Engineers & Scientists Ltd.

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TEST CERTIFICATE

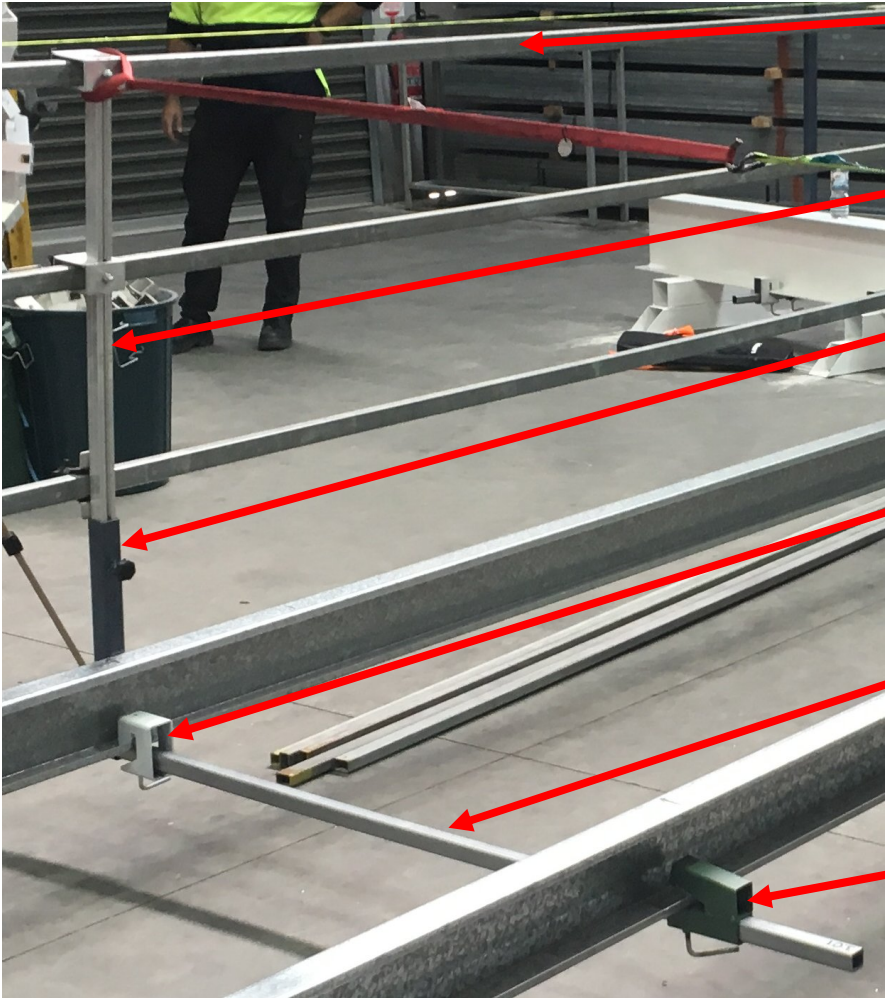
Project Title: Temporary Underslung Handrail Testing	Ref No.: 30B-15-0096-COC-391974-0
	Date: 21 Dec 2015

Customer Information:

Customer:	Aldeck Sales Pty Ltd
Address:	15 Brock Street Thomastown, Victoria, 3074, Australia
Contract/Purchase Order No.:	30B-15-0096-PTQ-391732-0

Sample Information:

Product	Test(s)
Temporary Underslung Handrail System	AS/NZS 4994.1:2009 Section 4.1



Top rail:
38x25x2mm galvanised steel square tube

Extruded aluminium post:
See full report for drawing

Steel bases:
40x40x4mm mild steel square tube

C-purlin hook:
100x50x4mm mild steel square tube

Connecting tube:
30x30x3mm galvanised steel square tube

C-purlin hook:
40x40x4mm mild steel square tube



Testing Results:

Component	Test	Deflection (mm)	Result
Post with 380mm Steel Base	Static Inward (AS/NZS 4994.1:2009 Appendix A)	99	Pass
	Static Outward (Proof Load) (AS/NZS 4994.1:2009 Appendix A)	87	Pass
	Static Outward (Maximum Load) (AS/NZS 4994.1:2009 Appendix A)	-	Pass
Post with 660mm Steel Base	Static Inward (AS/NZS 4994.1:2009 Appendix A)	83	Pass
	Static Outward (Proof Load) (AS/NZS 4994.1:2009 Appendix A)	71	Pass
	Static Outward (Maximum Load) (AS/NZS 4994.1:2009 Appendix A)	-	Pass
Top Rail	Static Downward (AS/NZS 4994.1:2009 Appendix B)	30	Pass
	Static Inward (AS/NZS 4994.1:2009 Appendix B)	54	Pass
	Static Outward (AS/NZS 4994.1:2009 Appendix B)	51	Pass
Top Rail Inline Joiner	Static Downward (AS/NZS 4994.1:2009 Appendix B)	28	Pass
	Static Inward (AS/NZS 4994.1:2009 Appendix B)	31	Pass
	Static Outward (AS/NZS 4994.1:2009 Appendix B)	23	Pass

Note: Results have been taken from test report 30B-15-0096-TRP-391792-0 and are subject to all limitations and assumptions outlined in said report.

Results Statement:

Result:	Vipac Engineers & Scientists have tested the above product in accordance with AS/NZS 4994.1:2009 Section 4.1. During testing, deflection of each component tested did not reach 101mm and no ultimate failure occurred.	
Title:	Project Engineer (<i>Author</i>)	Project Engineer (<i>Reviewer</i>)
Name:	Jared Carnie	Tim Roffey
Signature:		
Date:	21 Dec 2015	21 Dec 2015