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TEST CERTIFICATE

CLIENT : **Aldeck Roofing Pty Ltd.**
82 Trawalla Ave, Thomastown,
VIC, AUSTRALIA

PROJECT No. : **303241**
DATE: **12 December 2001**
FILE : *303241_Aldeck_Roofing*

TEST TYPE: **Force.**

DEVICE UNDER TEST: **Clamping anchor point system (shown in the Figure right) in either single or twin clamp configuration.**

TEST SPECIFICATIONS: **Australian Standard 1891.4 - 2000.**

RESULTS:

Condition Under Test*	Direction of applied load	Actual load succesfully applied (KN)	Required load for restrained fall arrest	Test result for restrained fall arrest (one person)	Required load for free fall arrest	Test result for free fall arrest (one person)
2 Clamps above purlin	Longitudinal	16	6	Pass	15	Pass
2 Clamps above purlin	Lateral	15.4	6	Pass	15	** (see note)
2 Clamps above purlin	Vertical	9.2	3	Pass	7.5	Pass
2 Clamps not above purlin	Longitudinal	10	6	Pass	15	Fail
2 Clamps not above purlin	Lateral	8	6	Pass	15	Fail
2 Clamps not above purlin	Vertical	6	3	Pass	7.5	Fail
1 Clamp above purlin	Longitudinal	8	6	Pass	15	N/A
1 Clamp above purlin	Lateral	7	6	Pass	15	N/A
1 Clamp above purlin	Vertical	9.2	3	Pass	7.5	N/A

*NB *See conditions specified in report No. 303241.* **NB *See report No. 303241*

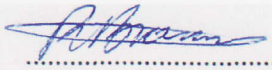
For a particular anchorage configuration to pass the loading requirements of AS 1891.4 - 2000, it must have the ultimate strength, for each direction of loading, shown in Table 3. In sustaining the loads shown in Table 3, considerable damage was caused to the roof decking and underlying structure (see figure 4).

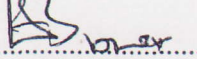
For the purpose of the test program, and hence to obtain the stated performance from the anchor point system it is imperative that:

1. The anchor clamps are NOT clamped over lap joint between roof decking sections.
2. The anchor clamps ARE clamped directly over the purlins of the underlying roof structure.
3. The anchor -bolts be tightened to a torque of 28NM.
4. Should the anchor system be loaded as the result of a fall, the anchors must be removed, inspected and refitted to an undamaged section of roof before re-use.

NB: Any variation from this set-up will detract from the load bearing capabilities of the anchor point system. When setting up roof anchor the integrity of roof structure and screws needs to be considered to achieve full capacity of device.

***NB Load testing in the axis was carried out twice. During the first test, with the anchor clamps set-up on a previously loaded section of roof decking, a load of 15Kn was sustained for a short time before the anchor clamps 'popped' off the roof decking. In the second test, with the anchor clamps set-up on a previously unloaded section of roof decking, a load of 15.4Kn was successfully sustained by the anchor clamps.*

TEST OFFICER : Rob Brown ..... 
Project Engineer

APPROVED : Dr Norm Broner ..... 
Operations Manager