

ARCHITECTS PLANNERS RESOURCE MANAGERS LIMITED

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16/2/06

DESIGN CONSTRUCTION AND DEVELOPMENT PRODUCER STATEMENT
for
SCORPRO ENGINEERING & DEVELOPMENT CO LTD ROTORUA
9m + 3 stile CLIMBING FRAME (portable special purpose metal ladder)
Industrial.

Any unit shorter than this is safer.

I J Alain Harper CPEng - (m) , 29724 of Hamilton have reviewed various documents between customers , OSH, designers, and the company about the safety in use of these devices and have viewed a unit being used and can confirm the following..

I consider this device safe to use in any domestic commercial or industrial circumstance where special personnel access is required.

The philosophy of the design of this frame is that it is stiffer than the two stile equivalent ladder, is easier to carry and safer, and allows for knee gripping by the operator and can be used at greater angles of rest.

- 1 These devices have 3 "stiles" compared to the usual 2 on ladders.
- 2 The rungs are curved for strength and fully welded into each stile. They are grooved for grip.
- 3 Stile construction is from 6063 T6 172MPa grade Aluminium. The weld filler between rung and stile is from 5346 AWS A 5.10.
Units used at 25* 25* 1.3 SHS extruded section
The rungs are cast with two tread grooves.
Welding has been done according to AS 1665-2004 by qualified experienced welders employed by the company.
- 4 The locking "latching device" is based on a S/S spring assisted catch . This is opened with a web releasing device. It is extended with a separate roped pulley system.(5m max each- except for longer specials which are made from 32mm SHS and are wider than the normal)
- 5 There are attachments top and bottom made in a similar fashion which can be attached for various duties. The base is made from S/S and is capable of safe operation on slopes when locked.
- 6 There are two major components the fixed frame and the extension frame (which surrounds it. with top and base guides)
- 7 Over 15 years development and safe use have already occurred.
- 8 All units are numbered and provided with operating instructions and signage, and personal contact.

All of these descriptions are described in company literature.

The relevant code for design construction and testing of such devices is AS/NZS 1892.1:1996-industrial or 160Kg. The company carried out these tests successfully in October 2005.

Signed in Hamilton
This 16th day of February
JA Harper

