

CONSULTING CIVIL &
STRUCTURAL ENGINEERS

14 Hall Street
P.O. Box 177
Pukekohe 2340
Telephone: +64 9 238 9817
Facsimile: +64 9 238 2448
Email: mikew@aireys.co.nz
www.aireys.co.nz



PRODUCER STATEMENT – DESIGN



ISSUED BY: Michael Trevor Williams
TO: Tredsafte Ltd
IN RESPECT OF: **Proposed Early Childhood Play Equipment** Job No: **AP/8595/30**

AIREY CONSULTANTS LTD has been engaged by Tredsafte Ltd to provide structural design services in respect of the requirements of Clause(s) B1 / Structure of the Building Regulations 2004 for all of the building work as indicated below:

Structural design and compliance with safety issues for both fixed and mobile items of Early Childhood Play Equipment in accordance with NZS 5828:2004, as per the attached lists.

The design has been prepared in accordance with verification method(s) / acceptable solution(s) B1 / VM1 (respectively) of the approved documents issued by the Building Industry Authority and the work is described on the drawings:

Prepared by: Tredsafte Ltd

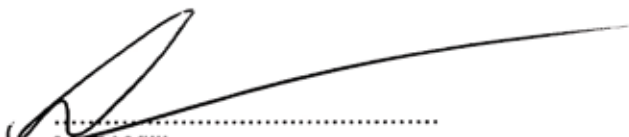
Titled: Refer attached list for drawing titles

and the specification and other documents according to which the building has been constructed.

As an independent design professional covered by a current policy of Professional Indemnity Insurance to a minimum value of \$200,000. **I BELIEVE ON REASONABLE GROUNDS** that subject to the verification of the following design assumptions:

- a. The Ultimate Limit State bearing strength of the foundation material is not less than 300 kPa, and;
- b. all proprietary products meeting the performance specification requirements,
- c. all components are installed in accordance with the specifications of the manufacturer,

the drawings, specifications and other documents according to which the building has been constructed comply with the relevant provisions of the Building Code.


.....
M.T. Williams
BE M.IPENZ(Civil, Structural)CPEng

Date: 28/05/2008

IPENZ Membership No. 174406

Member: ACENZ, IPENZ, CPEng

TREDSAFE LTD
EARLY CHILDHOOD PLAY EQUIPMENT

MOBILE

Bridges

Arch Bridge 1800mm long
Cargo Net Bridge 1800mm long
Net Bridge Planks 1580mm x 400mm x 18mm
Triple Rope Bridge 1800mm long
Ladder Walk 1800mm
Toddler Arch Bridge 1200mm
Toddler Humpy Bridge 1200mm

Decks & Cubes

250mm Cube
500mm Cube
900mm Cube
1200mm Cube
Stage Box 1200mm x 495mm
Octagonal Deck

Relocatable Decks

Hexagonal Deck
Pentagonal Deck
Wide Front Hexagonal Deck
1 x 2m Deck
1 x 1m Deck
2 x 2m Deck
Quarter Octagonal Deck
Hexagonal Cube 1200mm x 1040mm

Climb

Hand Foot Climb 1200mm
Cargo Net 900mm
Ladder 900mm / 1200mm
Peg Climb 1200mm
Rope Wave Climb 1200mm
Wave Climb 900mm / 1200mm
Abseil Wall 900mm / 1200mm
Whacky Wall 900mm / 1200mm
Rock Wall 900mm / 1200mm

Tunnel

Tunnel 1200mm long

Planks, Steps & Ramps

Plank - Wide Slipguard 1200mm x 470mm x 18mm
Infant Step 125mm
Steps 900mm
Toddler Steps 330mm high
Toddler Ramp 495mm

Planks

Slippard 1200mm x 235mm x 18mm
Cleated 1500mm x 235mm x 25mm
Cleated 2000mm x 235mm x 32mm
Plain 1500mm x 235mm x 25mm
Plain 2000mm x 235mm x 32mm
Balance Beam 2000mm x 150mm x 65mm
Wiggly Plank 1900mm

Continued

Others

Bannister Rails 2250mm long

Slippery Log 1700mm

Spin Bar 1000mm

Parallel Bars 1800mm long

Overhead Ladder 2000mm long

Handrails

Junior Swing Attachments

Slide Base 1200mm

Curved Slide & support leg 900mm / 1200mm

Straight Slide 900mm / 1200mm

Toddler Slide 500mm / 600mm

List Updated 28 May 2008

TREDSAFE LTD
EARLY CHILDHOOD PLAY EQUIPMENT

FIXED

Slides & Barrels

Bannister Slide - 1500
Barrel & barrier 1m / 2m
Curved slide - 900, 1200
Straight slide - 900, 12200
Toddler slide

Nets

Space Net
Spiral Net
Spider Net
Cargo Net

Swings

Swing - T Bar Senior (big swing) & Junior
Swing Frames 2, 3, 4, 5 & 6 seat
Turned Timber Pole Swing 2, 3, 4, 5 & 6 seat
Seesaw-Double
Combination Track Ride / Swing 2/3 bay
Balancing Beam

Poles & Tracks

Fire Pole
Peg Climber
Junior Track Ride

Steps

Single & Double Steps
Steps - 900, 1200, 1500

Climb

Abseil Wall 1200 / 1500
Rope Rung Ladders & brackets 900, 1200, 1500, 1800
Knot Climb Ladder & brackets 900, 1200, 1500, 1800
Wave Climb 900, 1200
Ladders 1200 / 1500
Ladder walk 2000
Overhead ladders
Rock wall 900, 1200 & 1500
Whacky Wall 900, 1200 & 1500

Bridges & Walks

Balance Beam
Burmese Bridge
Wobbly Walk 2m
Sway Bridge 1500
Cargo Bridge
Arch Bridge 2m
Arch Bridge
Humpy Bridge
Humpy Bridge under 2's
Clatter Bridge
Ladder Walk 2m

Decks & Platforms

1 x 1m Deck
1 x 1.1m Cubby
1 x 2m Deck
2 x 2m Deck
3 x 3m Deck & Roof
Pentagonal Deck
Hexagonal Deck
Hexagonal Fale Roof
Octagonal Deck
Octagonal Fale Roof
Right Angle Roof
Quarter Octagonal Deck
Wide Front Hexagonal Deck
Std deck brackets & opening guards

Others

Platform Bearers
Platform Foundations
Decks/Arch Bridge/ Humpy Bridge Bearers
Slide Opening / Support Bar
Top Rail - Adjustable
Guard Rail
Balustrades - timber & metal
Clip on bars - std, face mounted, toddler & double
Handgrips
Std T & L fixing plates

List Updated 14 September 2009