

### HANDRAIL

## Monkeytoe Base-mounted Handrail CODE: HR03



#### PRODUCT DESCRIPTION

Aluminium 3 x rail handrail system that is base-mounted for edge protection.

#### TYPICAL USES / APPLICATIONS

- Anywhere a safe working environment is required with a fall of 1000mm or greater
- Access routes for Monkeytoe products
- Edge of roof for fall protection
- Structural plant platform handrails
- Walkway handrails
- Under regulation height parapets

#### CHARACTERISTICS / ADVANTAGES

- Eliminates the need for the use of cumbersome safety harnesses and certified personnel
- No static / safety line required
- Permanent handrail system eliminates the hazard rather than minimising it
- Prefabricated modular componentry ensures fast onsite assembly
- No welding required
- Unique swivelling elbow design for all corners
- Safe working areas and edge/fall protection for all maintenance personnel
- System uses the unique Monkeytoe mounting clip when installed on rooftops
- Allows for non-certified personnel to enter hazardous zones
- Can be fitted to any roof pitch (1-45 degrees)
- Lightweight, high strength aluminium components

#### TECHNICAL DATA / MATERIALS

- Handrail extrusions: High tensile T6 aluminium (Can be powder coated if required)
- Elbows & end caps: Diecast aluminium
- Fixings: Stainless Steel 304 grade
- Roof connections:
  - Roofing clip - High density Polyethylene, UV-resistant
  - Galvanised roofing tek screws,
  - Neoprene sealing washers

### TESTS

### APPROVALS / STANDARDS

- All handrails are designed and installed in accordance with AS/NZ 1657
- Building code B1 - F4

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### WARRANTY

- 25 years materials and 2 years install
- Product Warranty is valid in accordance to the PS1 Engineering Standard that it has been designed to

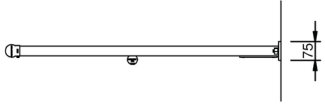
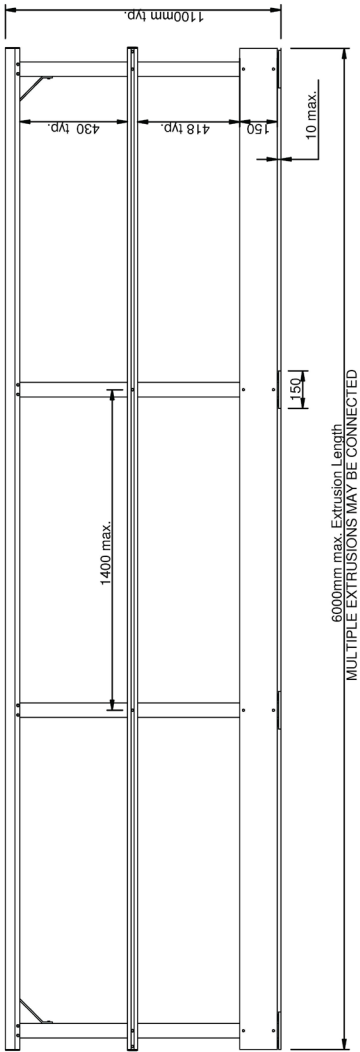
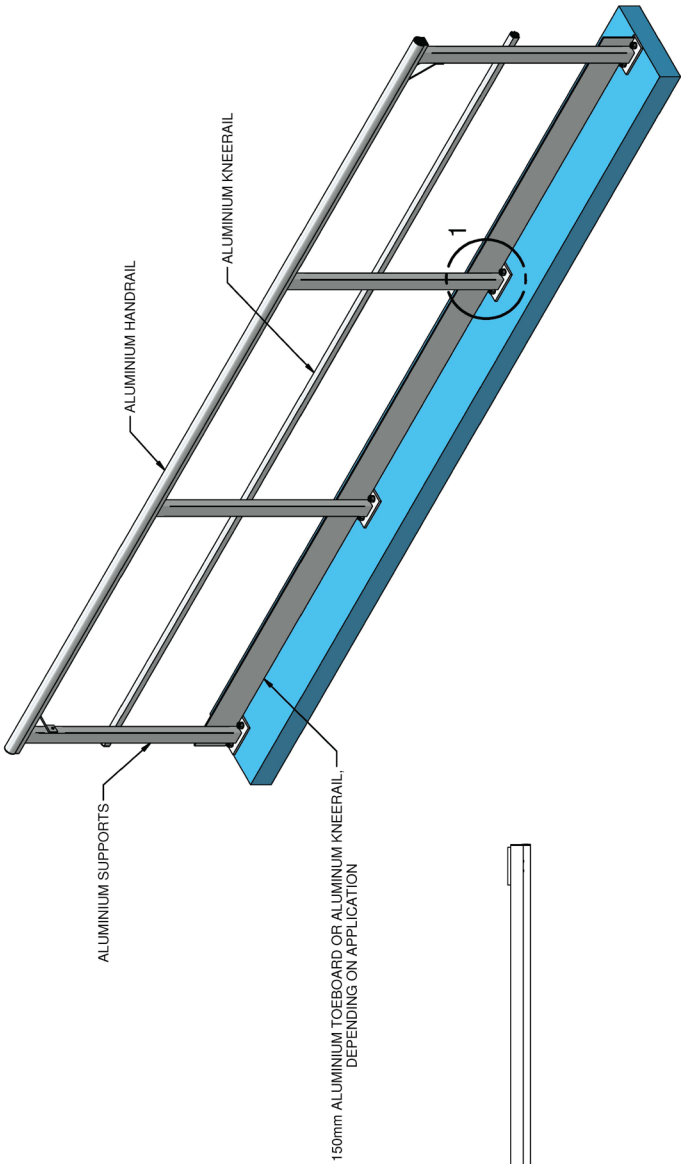
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### MAINTENANCE

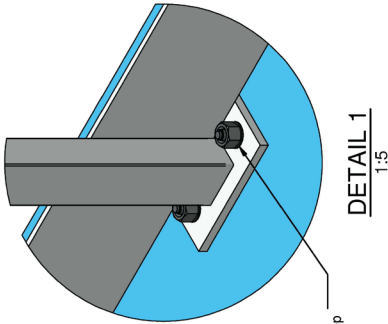
- It is recommended that handrails are included in the standard 'building warrant of fitness' inspections
- All damaged or loose fixings to be reported immediately to asset manager or building owner for correction



**DESIGN LOADS**  
Live Load:  
Handrail concentrated action = 600 N  
Kneerail concentrated action = 300 N  
Toeboard concentrated action = 100 N



FIXINGS  
Metal - M12 x Bolt  
Timber - M12 x Coach Screw 90mm deep  
Concrete - M12 x Trubolt 90mm deep



**NOTES:**  
1. DESIGNED IN ACCORDANCE WITH:  
- AS/NZS 1170  
- STRUCTURAL DESIGN ACTIONS, B1 & B2 DURABILITY,  
F4 SAFETY FROM FALLING, D1 ACCESS ROUTES CODES  
- AS/NZS 1657:2013

Monkeytoe

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0800 658 637 - [www.monkeytoe.co.nz](http://www.monkeytoe.co.nz)

Base Mounted Handrail			
MONKEYTOE			
DWG No: 2004-HR-BASE-01	25/07/2018		
	SHEET 1 OF 1	A3	REV:01
DO NOT SCALE	SCALE: 1:20	DIMENSIONS IN MILLIMETERS	