

### HANDRAIL

### Parapet/Wall-mounted Handrail

### CODE: HR02



#### PRODUCT DESCRIPTION

Aluminium 3 x rail handrail system that can be parapet-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

- C3 loading
- All handrails are designed and installed in accordance with AS/NZ 1657
- Building code B1

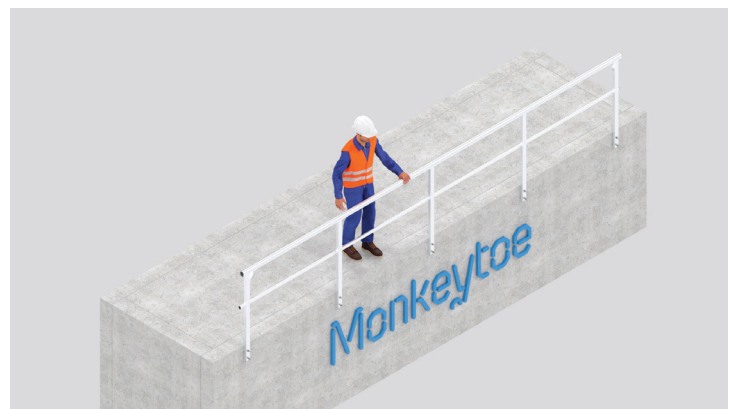
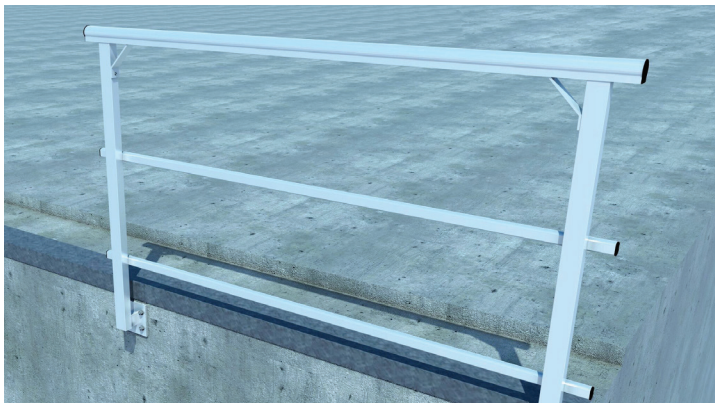
### WARRANTY

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

### 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

### PRODUCT IMAGES



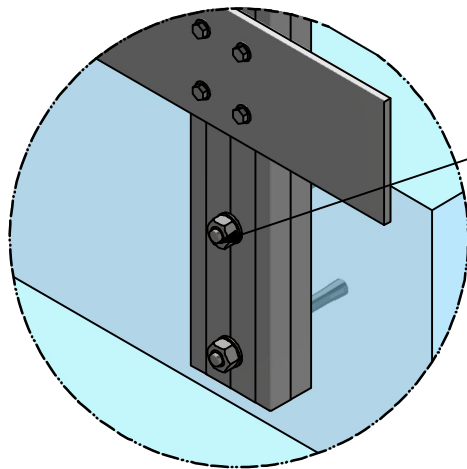
**DESIGN LOADS**

**SERVICE LOADING CLASS:**

- Handrail concentrated action = 600 N Acting Outwards or Downwards at any point on the top rail, intermediate rail or post.
- Handrail Uniform Load = 350 N/m Acting Outwards or Downwards at any point on the top rail or intermediate rail.

**C3 LOADING CLASS:**

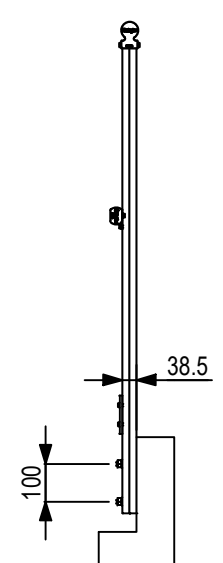
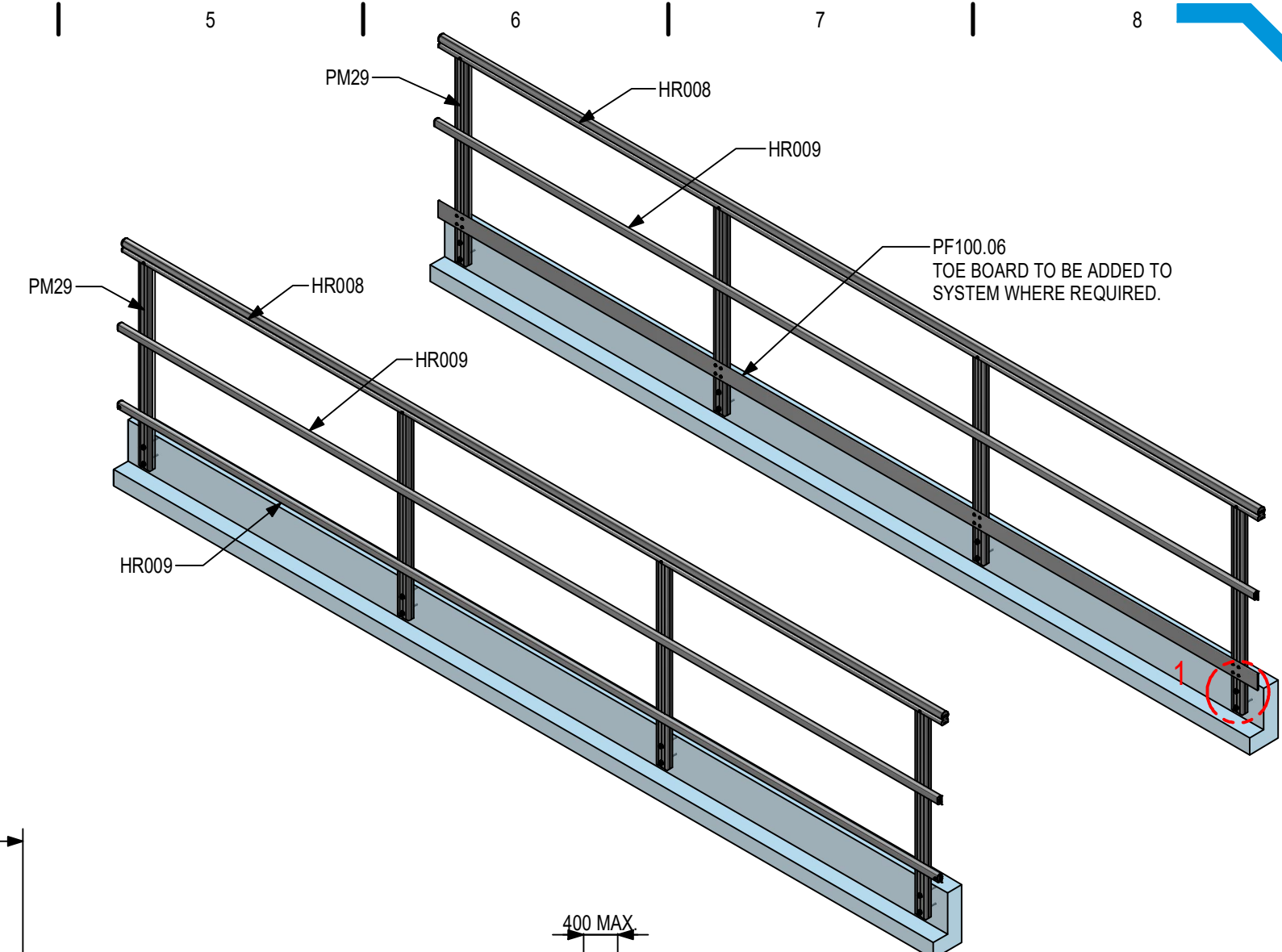
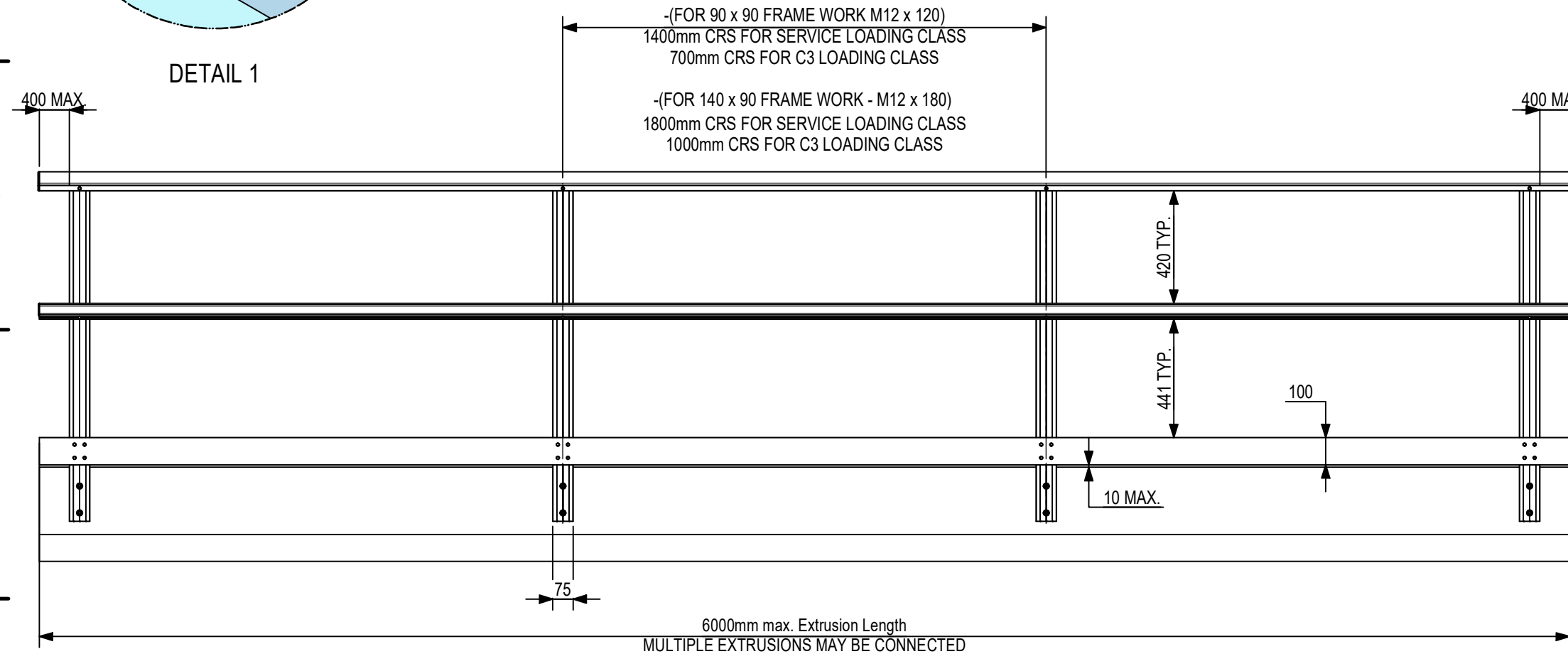
- Handrail concentrated action = 600 N Acting Outwards, Inwards or Downwards at any point on the top rail or post.
- Handrail Uniform Load = 750 N/m Acting Outwards, Inwards or Downwards at any point on the top rail or post.
- Infill Load Uniform Load = 1.0 KPa Acting Outwards or Inwards on top rail or intermediate rail.
- Infill Load concentrated action = 0.5 KN Acting Outwards, Inwards or downward on intermediate rail.



FIXINGS

- Metal - M12 x Bolt.
- Timber 90 x 90 - M12 x 120mm Coach Screw, 90mm Minimum Thickness,
- Timber 140 x 90 - M12 x 180mm Coach Screw, 90mm Minimum Thickness,
- Concrete (25MPa Minimum Strength) - M12 x 120mm Through Bolt.

DETAIL 1



1100 MAX.  
FROM FINISHED  
FLOOR LEVEL.

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

**Monkeytoe**  
 EVERYTHING BETTER  
 0800 658 637 - www.monkeytoe.co.nz

Parapet Mounted Handrail		
MONKEYTOE		
DWG No: 2004-HR-PAR-01	15/09/2023	
	SHEET 1 OF 1	A3
	SCALE: 1 : 20	REV:2
DO NOT SCALE	DIMENSIONS IN MILLIMETERS	

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