

Metro Shelter - Product Information

Metro Shelter:

The Adshel Infrastructure Metro is distinguished by its clean and simple structure which harmonises with the urban landscape, neither imposing on its setting or the surrounding environment.

Product Description:

Materials:

Powdercoated Aluminium frame
 Simple, practical, flat metal roof
 10mm toughened safety glass, mesh or Polycarbonate wall panels
 Aluminium or varnished timber seat
 Concealed footing as standard

Dimensions:

Standard: 2550mm (H) x 3720mm (W) x 700mm (D)
 Seat Length: 2400mm

Finishes:

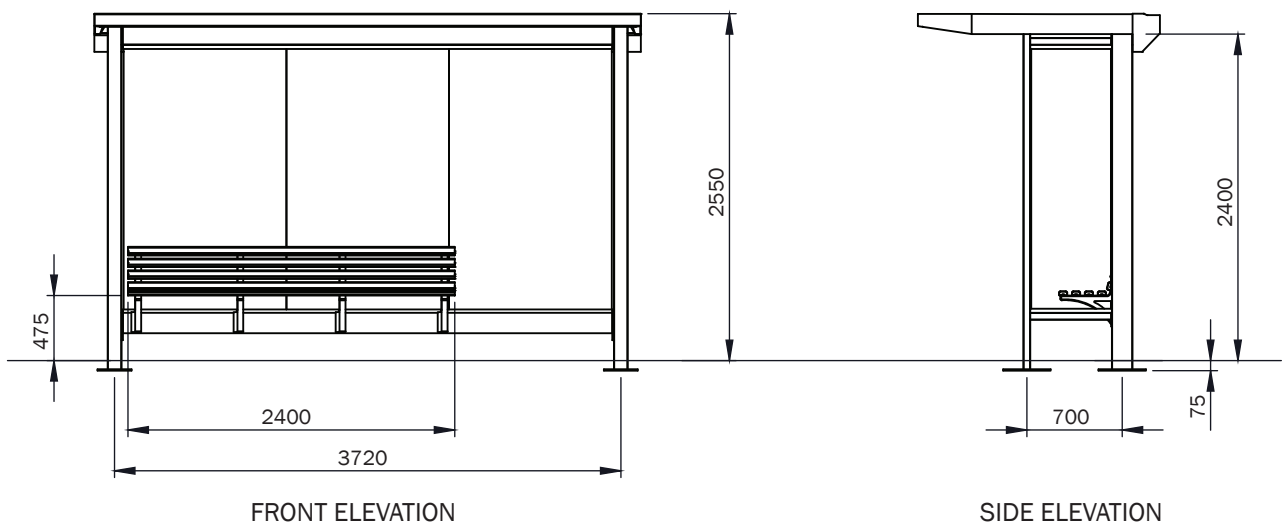
Powdercoated, various colours available

Optional Extras:

Seat armrests
 Timber or Aluminium seat slats
 Logo printing



Drawing not to scale



Further Information & Enquiries:

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Adshel Infrastructure

Adshel Infrastructure specialises in well designed, high quality shelters, walkways, customised products and street furniture that will compliment any urban landscape.

We also offer a range of services including design consultancy, engineering certification and project management.

Please contact us for any further information on these services or for any other product information sheets that you may be interested in looking at.

Metro Shelter - Construction Details

Concrete Requirements:

F_c = 25MPa > 1km from coast
 F_c = 32MPa < 1km from coast
 Slump = 80mm
 Maximum aggregate size = 20mm
 Minimum concrete density = 2400kg/m³
 The footings have been designed for an allowable bearing intensity of 1000KPa. The foundation material shall be natural, firm and uniform. Compact any back filling around footings and finish to an even grade. All workmanship and materials to be in accordance with AS3800.

Shelter Construction Information:

Materials:

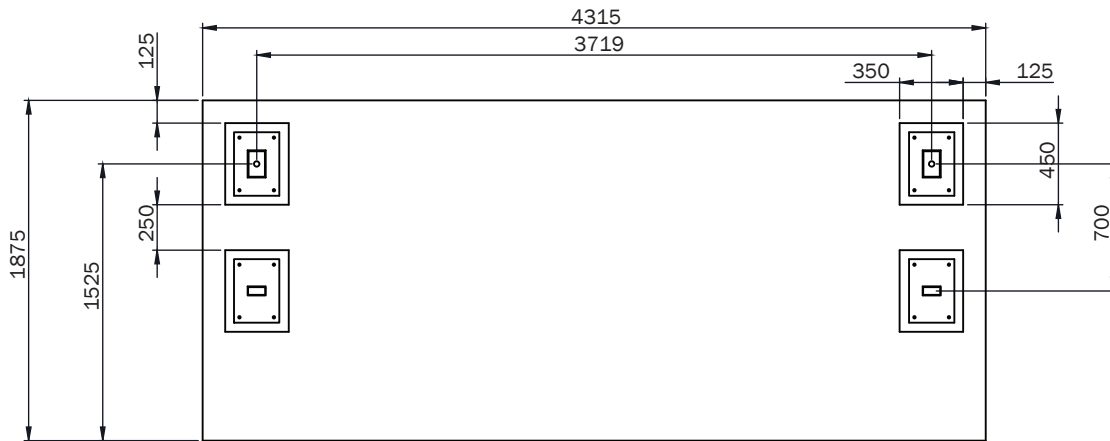
Uprights and Beams: Al6351, T5 Aluminium
 Vertical Glass: 10mm toughened safety glass
 Roof Materials: Flat sheet metal roof

Shelter to comply with:

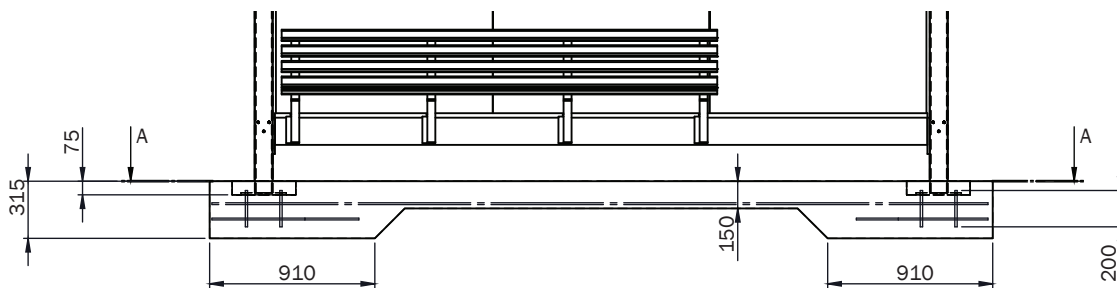
BCS, 2005, Volume 1
 AS1170.1 & 2 - 2002, SAA Loading Code Parts 1 & 2
 AS/NZS1664.1 - 1997 Aluminium Structures Part 1
 AS3600 - 2001 SAA Concrete Structures Code
 AS1288 - 2006 SAA Glass in Buildings

Drawing not to scale.

The foundation has been designed for wind regions A & B for terrain category 3, as defined in AS1170.0 - 1980 SAA loading code part 2 - wind loads. Topographic and shielding factors equal to 1.0 only have been considered. More severe wind conditions will require a separate design not detailed in this drawing.



SECTION A-A



FRONT ELEVATION

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Warning Note:

All Adshel Shelters and Shelter Footings have been engineered to meet certain requirements and any changes to these details may breach the Australian and New Zealand Standards Act. Please contact your Adshel Business Development Manager with any questions.

2-Bay Metro Shelter - Product Information

2-Bay Metro Shelter:

The Adshel Infrastructure Metro is distinguished by its clean and simple structure which harmonises with the urban landscape, neither imposing on its setting or the surrounding environment.

Product Description:

Materials:

Powdercoated Aluminium frame
 Simple, practical, flat metal roof
 10mm toughened safety glass, mesh or Polycarbonate wall panels
 Aluminium or varnished timber seat
 Concealed footing as standard

Dimensions:

Standard: 2550mm (H) x 2500mm (W) x 700mm (D)
 Seat Length: 1200mm

Finishes:

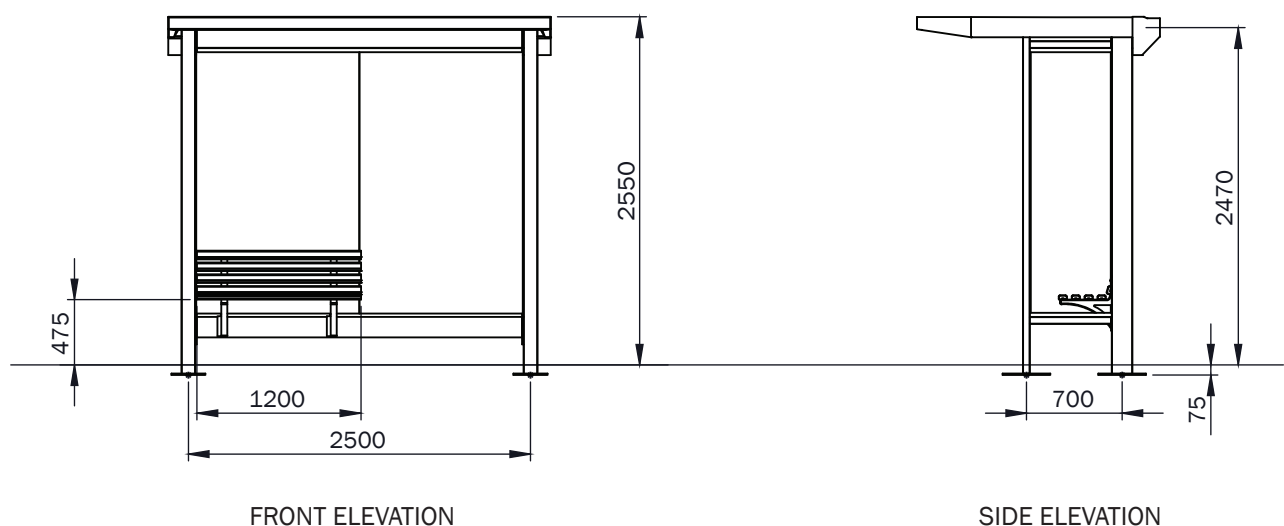
Powdercoated, various colours available

Optional Extras:

Seat armrests
 Timber or Aluminium seat slats
 Logo printing



Drawing not to scale



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2-Bay Metro Shelter - Construction Details

Concrete Requirements:

Fc = 25MPa > 1km from coast

Fc = 32MPa < 1km from coast

Slump = 80mm

Maximum aggregate size = 20mm

Minimum concrete density = 2400kg/m³

The footings have been designed for an allowable bearing intensity of 1000KPa. The foundation material shall be natural, firm and uniform.

Compact any back filling around footings and finish to an even grade. All workmanship and materials to be in accordance with AS3800.

Shelter Construction Information:

Materials:

Uprights and Beams: Al6351, T5 Aluminium

Vertical Glass: 10mm toughened safety glass

Roof Materials: Flat sheet metal roof

Shelter to comply with:

BCS, 2005, Volume 1

AS1170.1 & 2 - 2002, SAA Loading Code Parts 1 & 2

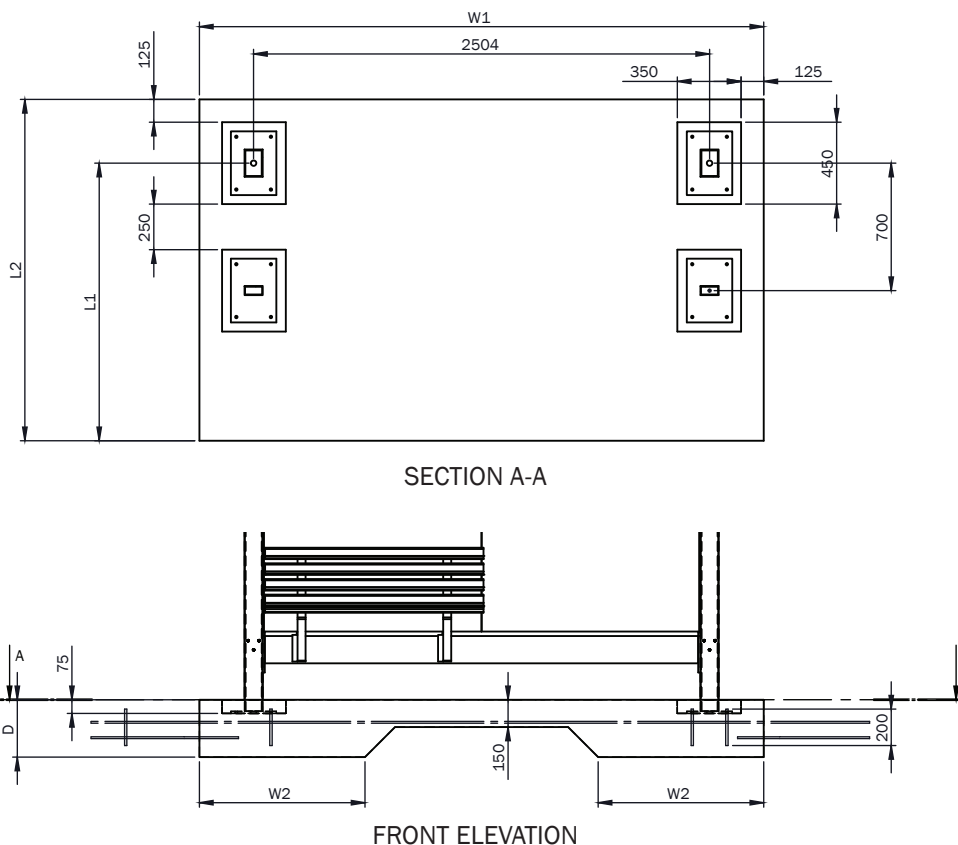
AS/NZS1664.1 - 1997 Aluminium Structures Part 1

AS3600 - 2001 SAA Concrete Structures Code

AS1288 - 2006 SAA Glass in Buildings

Drawing not to scale.

The foundation has been designed for wind regions A & B for terrain category 3, as defined in AS1170.0 - 1980 SAA loading code part 2 - wind loads. Topographic and shielding factors equal to 1.0 only have been considered. More severe wind conditions will require a separate design not detailed in this drawing.



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This specification sets out the procedure for the cleaning of Adshel shelters. A periodic maintenance program (for cleaning, touch up and repair), based on material, finish and environment helps maintain appearance.

Fortnightly Shelter Cleaning Process:

- Sweep area of shelter using a broom, bag and remove all rubbish from site ensuring all foliage, glass, grass and weeds are removed.
- Remove all graffiti from the shelter using an environmentally approved graffiti remover approved by Adshel. (Glass, powdercoated and polycarbonate surfaces - TURCO 6840S).
- Remove flyers by soaking in soapy water and scrapping off. Remove glue with a scouring pad.
- Sweep all metal surfaces with a small stiff broom.
- Wash all metal/wood surfaces utilising a soft headed brush. A scouring pad is to be used in stubborn areas.
- Wash off all surfaces. Power washing is to be used.
- Dry all metal surfaces using a soft cotton cloth.
- Dry all glass surfaces using a squeegee and a soft cotton cloth.

Roof Cleaning Process:

- Clear and Opaque Acrylic Roofs should be cleaned fortnightly.
- Remove all leaves, branches and debris from roof and gutters.
- Ensure care is exercised on the clear and polycarbonate roofs to avoid scratching the surfaces.
- Wash all surfaces utilising a soft headed brush. A scouring pad is to be used in stubborn areas.
- Dry off using a soft cotton cloth (ie nappies).
- Metal or High Density Plastic Roofs should be cleaned bi-annually.

Minor Repairs:

Minor repairs can be carried out on site. These include paint touch ups, loose seats or structural bolts and missing glazing beads. Accessible bolts should be periodically checked and tightened as necessary. Screwed on battens and other fixed parts should be manually and visually checked for integrity.

Major Repairs:

For major repairs such as structural damage and glass breakage please contact Adshel directly.

Final Inspection:

Carry out a final walk around the item of street furniture to ascertain the overall quality of the cleaning and general appearance.

Solar Panel Maintenance:

It is recommended that the solar panels be cleaned on a fortnightly basis to ensure they are receiving maximum sun light. Clean the solar panel surface with water from a bucket or hose (do not use cleaning products as this will damage the solar panel surface). Dry the surface carefully using a soft cotton cloth.

Solar Panel Battery Maintenance:

Battery checks need to be performed by a qualified electrician and should be performed every 12 months to ensure they are charging properly and that the solar panels have not been damaged.

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