

An excellent access solution for upcycled shipping containers

The Sentry™ 200.BF is a fit for purpose PA door manufactured for fast and easy installation to meet the needs of installers when modifying shipping containers for industrial and commercial use, which is what makes it our most popular product in the shipping container range.

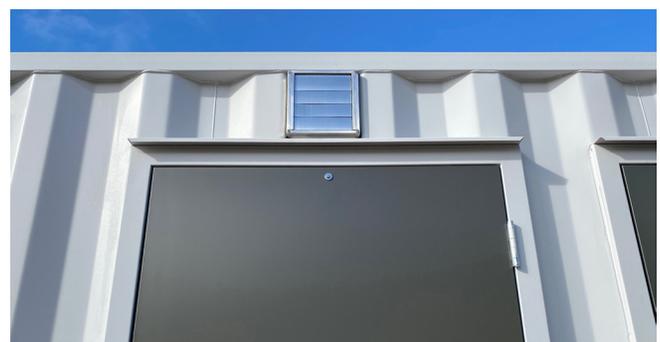
Our Box Frame design has been engineered to protect the door jamb from distortion during the welding process or can be screw fixed to the container according to your installation needs. With a medium density polystyrene core, this pre-hung door can be fully customised with options such as viewing panels and air relief grilles and be immediately installed.

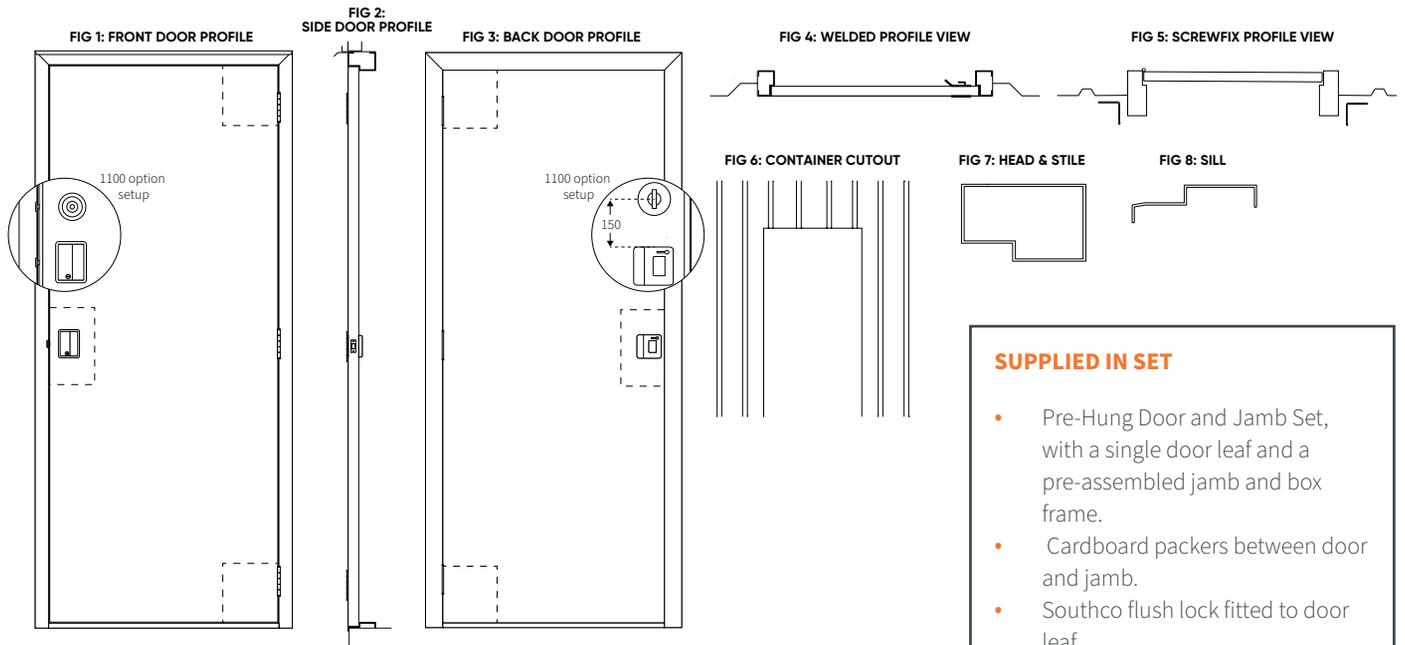
Available in the complete Classic & Contemporary ranges of COLORBOND steel colours, with standard door size of 2040mm(h) x 820mm(w), with 920mm(w) and 1100mm(w) available as standard, and high sizes or custom sizing available.

- Quick and easy install
- Pre-hung
- Flush Lock fitted
- 4-sided door jamb
- Region C wind rated
- AS/NZS 1170.2:2011 and AS 4055-2012 compliant
- Perimeter seals included
- Heavy duty
- Medium density polystyrene core
- Pre prepped for lockset & door closers
- Customisable options available
- 180° opening
- Made in Australia
- 2-year warranty

Applications

Shipping container modifications





- SUPPLIED IN SET**
- Pre-Hung Door and Jamb Set, with a single door leaf and a pre-assembled jamb and box frame.
 - Cardboard packers between door and jamb.
 - Southco flush lock fitted to door leaf

The Sentry® 200.BF is an outward opening, pre-hung door and box section jamb set, purpose built for use in shipping container customisation projects. The 'BF' refers to the 'box frame' included in the set to make it an all-inclusive solution for welding a door into a container wall.

The single door leaf has an SL grade 35mm polystyrene core surrounded by an internal sub-frame made of kiln-dried hoop pine (42x35mm). It includes hardware fixing points (300x140mm) for the closer and lock blocks, and is fully enclosed on faces and sides with two 0.50mm Colorbond steel sheets, fixed with a two-part polyurethane adhesive. A flush paddle lock provides for secure closure.

The door jamb has a four-sided profile made of multi-folded, pressed and welded 1.5mm steel. It includes an integrated j-mould weather strip on the top architrave and a PVC Batwing perimeter seal around the entire door stop for acoustic and weather protection.

The Sentry® 200.BF box section jamb come with a raw Zincanneal finish as standard, though you may specify on the order that it be powder-coated to match the Colorbond of the door leaf, or to another colour of your choice. A powder-coated jamb may impact your installation options.

The door leaf is affixed to the jamb with zinc plated butt hinges (100x75x2.5mm). Standard size Sentry® 200.BF doors have three hinges, while the taller option has four.

- AVAILABLE SIZES**
- 2040mm (h) x 820mm (w)
 - 2040mm (h) x 920mm (w)
 - 2040mm (h) x 1100mm (w)
 - 2320mm (h) x 1100mm (w)
- APPLICATIONS**
- Shipping container modifications.
- AVAILABLE COLOURS**
- Available in the complete classic & contemporary ranges of COLORBOND® steel colours.
- ADDITIONAL FINISHES**
- Colorbond® Matt
 - Colorbond® Ultra
 - Galvanised Steel
 - Zincanneal® Steel
 - Metaprep Primer for corrosive environments

WIND RATING

63.06
M/S (227.016 KM/H)

TESTED IN ACCORDANCE WITH AS/NZS 1170.2:2011

Standard height (2040mm) Sentry® 200.BF doors are tested and approved for use in all of regions A, B and C, as per the Australian Standard. That means they are certified to withstand cyclonic winds.

51.87
M/S (186.732 KM/H)

TESTED IN ACCORDANCE WITH AS/NZS 1170.2:2011

The widest doors in the Sentry® 200.BF range (1100mm) are cyclone rated for Regions A and B, and can be upgraded to meet the more stringent Region C certification by installing an additional deadbolt (see insets on Figs 1 and 2). Taller (2320mm) Sentry® 200.BF doors are not rated for wind load.

A. PRODUCT CHECK AND SITE

Required: Cutting tool.

Note: Keep the door packers in place until the door and jamb set is fully fitted.

1. Check your door and jamb set for quality and craftsmanship.
 - ▶ If there is damage or fault, contact your supplier immediately.
 - ▶ **Note:** If you proceed to install a door, the opportunity to claim a replacement on the basis of damage or fault will be limited.
2. Decide where your door goes.
 - ▶ Ensure there is no structural steel behind the planned cut area.
3. Cut the required opening out of the cladding.
 - ▶ Take care to make cuts straight and square.
 - ▶ The required size depends on the size of the door to be installed.

200.BF.820	
DOOR SIZE	2040mm (h) x 820mm (w)
REQ. OPENING	2116mm (h) x 935mm (w)
200.BF.920	
DOOR SIZE	2040mm (h) x 920mm (w)
REQ. OPENING	2116mm (h) x 1035mm (w)
200.BF.1100	
DOOR SIZE	2040mm (h) x 1100mm (w)
REQ. OPENING	2116mm (h) x 1215mm (w)
200.BF.1100H	
DOOR SIZE	2320mm (h) x 1100m (w)
REQ. OPENING	2396mm (h) x 1215mm (w)

B. DOOR SET INSTALLATION

You may install the 200.BF:

- by welding (see B1), or
- by screw-fix (see B2).

B1. WELDING INSTALLATION

Note: Welding is easiest with a raw finished jamb, i.e., no powder-coating. If your box section jamb is powder-coated, you must remove some of the powder-coat to prepare for welding.

Note: Keep the door packers in place until the door and jamb set is fully fitted.

Required: Spirit level, welding kit.

1. (If your box frame is powder-coated) Lightly remove/grind-off some of the powder-coating around the welding points.
 - ▶ **NB:** When grinding, use safety glasses, ear protection, gloves, long sleeve clothing and a respirator.
2. Lift the door and box section jamb set to an upright position.
 - ▶ Start from outside of the container
 - ▶ Use two (2) people to lift.
 - ▶ Check that the hinges are set to open to the correct side.
3. Align the jamb with the appropriately sized opening in the container wall, and slide it in so that the architrave sits flush with the outer surface.
4. Weld the frame into place.
 - ▶ 10mm stitch weld spaced 200mm apart.
 - ▶ Distribute heat around the door jamb evenly.
 - ▶ Uneven heating may distort the door jamb, leading to issues with the clearances that let the door swing freely.
5. Clean up around the welds.

B2. SCREW-FIX INSTALLATION

Required: Spirit level, metal angle (2), cutting tool and safety gear, at least twelve (12) 10-gauge screws, impact driver.

Note: Keep the door packers in place until the door and jamb set is fully fitted.

1. Ensure pieces of metal angle are cut to the correct length:
 - ▶ Check the door frame height.
 - ▶ 50mm×50mm x 2mm(minimum) metal angle iron is recommended, to create a good-sized flat surface to attach the door jamb
 - ▶ Measure the length of metal angles to match the door frame height.
 - ▶ Safely cut the metal angle to the right length.
2. Screw the pieces of metal angle (not supplied) to the inside of the container.
 - ▶ Working inside the container, line up a piece of metal angle so that it runs along the side of the cut, from the bottom to the top of the opening.
 - ▶ Screw the metal angle into place with at least three (3) 10-gauge screws, inserted at heights to match where the door hinges will go.
 - ▶ Do the same with the other piece of metal angle, on the other side of opening.
3. Lift the door and box section jamb set to an upright position.
 - ▶ Start from outside of the container
 - ▶ Use two (2) people to lift.
 - ▶ Check that the hinges are set to open to the correct side.

4. Position the door and jamb set into the container wall:
 - ▶ Align the jamb and box frame with the appropriately sized opening in the container wall.
 - ▶ Slide the set in so that the frame abuts the metal angle and the architrave sits flush with the outer surface.

5. Working inside the container, fix the hingeside of the box frame to the metal angle with 10-gauge screws:
 - ▶ Hold the door steady with one hand.
 - ▶ Insert and tighten each screw with an impact driver.
 - ▶ **First screw:** In line with the top hinge.
 - ▶ **Second screw:** In line with the bottom hinge.
 - ▶ **Third screw:** In line with the middle hinge.
 - ▶ Ensure each screw will go through both the metal angle and the box frame.
 - ▶ Take care that the door does not move while screwing.
 - ▶ After each screw, check the stile is square and plumb. Adjust as needed before proceeding.
 - ▶ Fixing the hinge side first allows for slightly unsquared cut outs.

6. Fix the latch-side of the box frame to the metal angle, at equal heights.
 - ▶ Top screw, bottom screw, middle screw, in that order.
 - ▶ Check that the jamb remains square/plumb before each screw.
 - ▶ If the door set drops under its own weight before fully screwed, carefully correct it before screwing off.

C. AFTER DOOR INSTALLATION

After the door is installed:

1. Remove packers from the door.
2. Fit the supplied lockset.
3. Remove the protective covering from surfaces. (The longer it remains on, the harder it may be to remove cleanly.)

D. AFTER CARE

To get the most out of your investment, cleaning should occur:

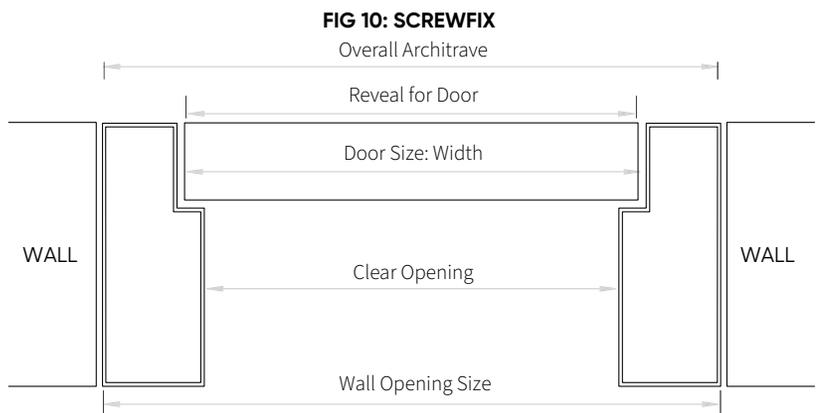
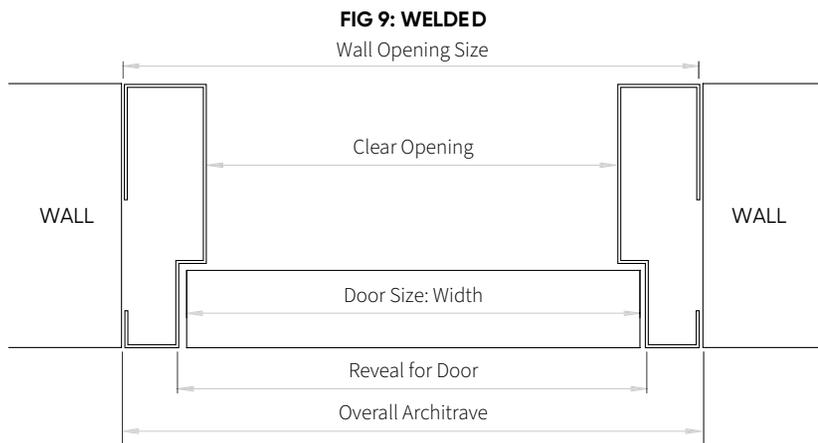
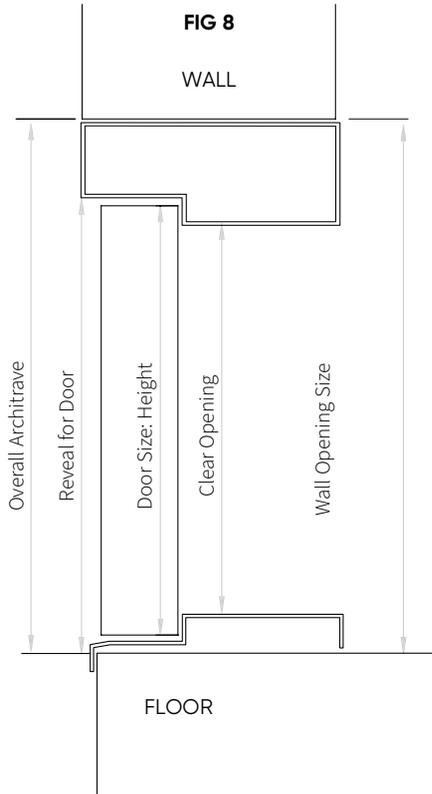
- ▶ In rural or normal urban environments, every six (6) months.
- ▶ In areas of high pollution, such as industrial areas or coastal environments, every three (3) months.
- ▶ In particularly hazardous or corrosive environments such as beachfronts, severe marine environments, areas of high industrial pollution, monthly.

Hinges, Locks, and furniture should also be regularly inspected and cleaned in accordance with the above schedule.

DO NOT use harsh solvents, abrasive cleaners (turps, petrol, kerosene, paint thinners) or scourers on any products. Carry out cleaning in shade and during cooler temperatures using a soft cloth and gentle wiping only.

We recommend that your locks only be serviced by a qualified locksmith.

PRODUCT FILE CODE	DOOR SIZE HxW	DOOR THICKNESS (MM)	OVERALL PRODUCT INSERT HxW	OVERALL EXT. ARCHITRAVE HxW	OVERALL INT. ARCHITRAVE HxW	REVEAL FOR DOOR HxW	CLEAR OPENING REQUIRED HxW	WALL OPENING SIZE HxW	DOOR OPENING ANGLE	WIND RATED TO REGION
200.BF.820	2040 x 820	37	2115 x 934	2130 x 934	2114 x 934	2050 x 828	2020 x 798	2116 x 935	180°	C
200.BF.920	2040 x 920	37	2115 x 1043	2130 x 1034	2114 x 1034	2050 x 928	2020 x 898	2116 x 1035	180°	C
200.BF.1100	2040 x 1100	37	2115 x 1214	2130 x 1214	2114 x 1214	2050 x 1108	2020 x 1078	2116 x 1215	180°	B
200.BF.1100 DBT	2040 x 1100	37	2115 x 1214	2130 x 1214	2114 x 1214	2050 x 1108	2020 x 1078	2116 x 1215	180°	C
200.BF.1100H	2320 x 1100	37	2395 x 1214	2410 x 1214	2394 x 1214	2330 x 1108	2300 x 1078	2396 x 1215	180°	-



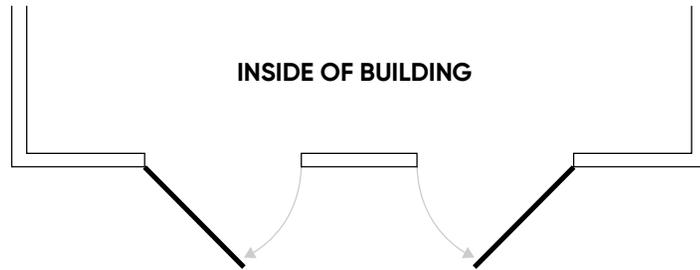
KNOW YOUR HANDING

'Handing' describes where the hinges are on a door that is opening towards you. When you order a new door, it is important to know its handing so that it suits your installation.

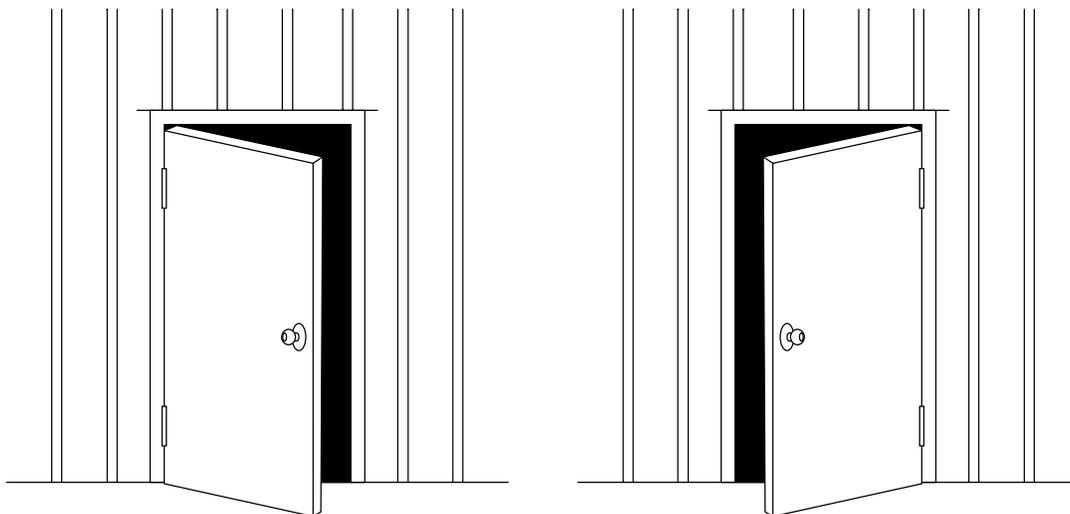
HOW DO YOU TELL?

If you open a door towards you and the hinges are on your left, the door is **left-hand hinged**.

If you open a door towards you and the hinges are on your right, the door is **right-hand hinged**.



OUTSIDE OF BUILDING



Larnec Doors provide a 24 month warranty on all products. The warranty does not cover the product if incorrectly installed, used or maintained, damage from environmental conditions, fair wear and tear, accidents or salt corrosion.