

The ideal personal access door for modified shipping containers

A simple retrofitted external door solution for shipping containers. These metal clad, pre-hung doors require an RHS framework within the container wall.

Externally fitted, these shipping container doors also come with a quality flush lock as standard. This door can be fitted anywhere on your container and has universal/reversible handling.

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.

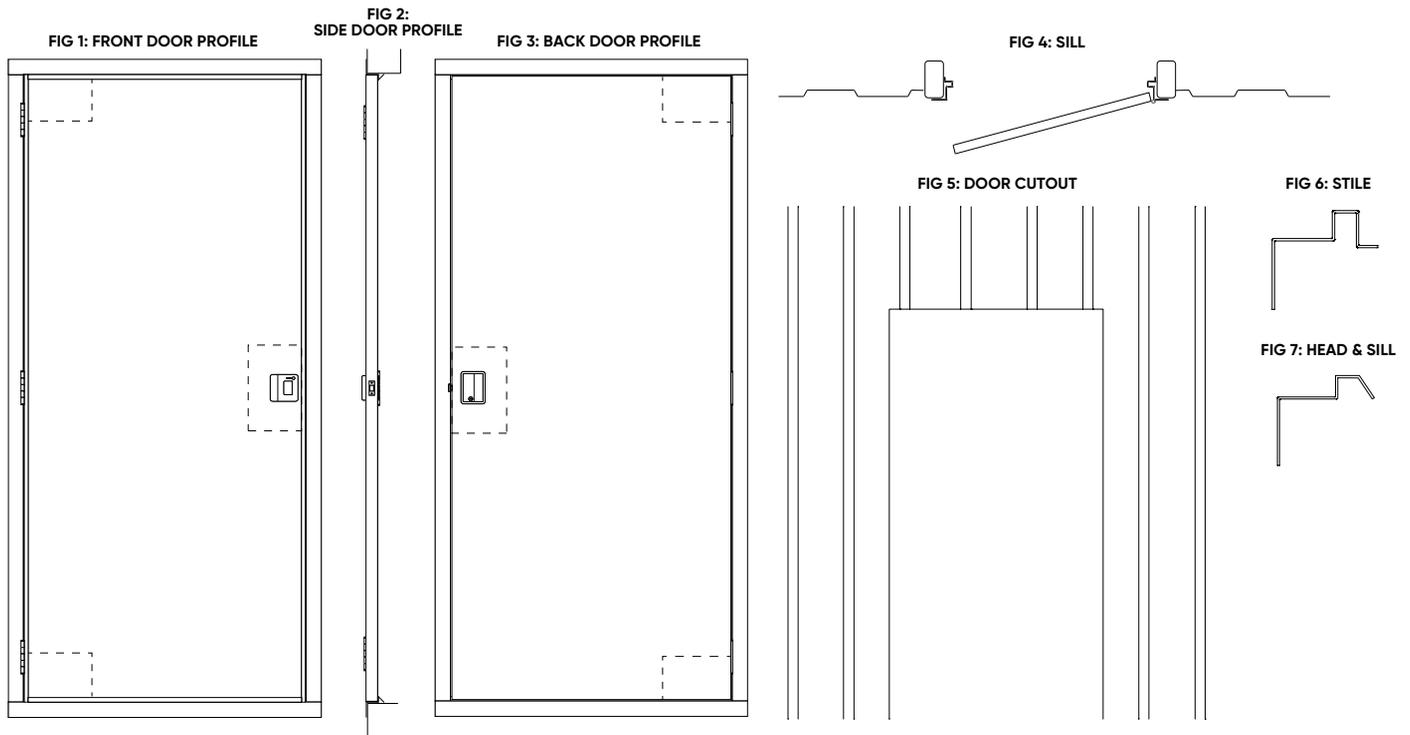


- Pre-hung
- Flush lock fitted
- 4-sided door jamb
- Quick and easy to install
- Region C wind rated
- AS/NZS 1170.2:2011 and AS 4055-2012 compliant
- Medium density polystyrene core
- Pre prepped for lockset & door closers
- Customisable options available
- Reversible handling
- Perimeter seals included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

Applications

Shipping container modifications





The Sentry® 200.CD is an outward opening, pre-hung door and jamb set. The 'CD' stands for 'container door', because this set is purpose built for use in shipping container modification projects.

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 0.5mm Colorbond steel sheets, fixed with a two-part polyurethane adhesive.

The door jamb has a four-sided profile made of multi-folded, pressed and welded 1.5mm steel, powder-coated to match the Colorbond of the door leaf, or to another colour of your choice.

The Sentry® 200.CD jamb is fitted with three welded butt hinges (100x75x2.5mm) that fasten to the door using heavy-duty metal screws.

The Sentry® 200.CD is fitted with a flush paddle lock for security and PVC batwing seal for acoustic and weather protection.

APPLICATIONS

Shipping container modifications

INSTALLATION OPTIONS

To install the Sentry® 200.CD, you must first construct a frame out of RHS (Rectangular Hollow Section) steel and weld it into place in the container wall.

If you'd prefer to avoid the need for a RHS steel frame, you might consider the Sentry® 200.BF, which includes a prefabricated box frame.

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

AVAILABLE SIZES

- 2040mm (h) x 820mm (w)
- 2040mm (h) x 920mm (w)
- 2040mm (h) x 1100mm (w)

WIND RATING

63.06
M/S (227.016 KM/H)



TESTED IN ACCORDANCE WITH AS/NZS 1170.2:2011

Standard height (2040mm) Sentry® 200.CD 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.

SUPPLIED IN SET

- Pre-Hung Door and Jamb Set, with a single door leaf, a one-piece jamb, a flush paddle lock and a PVC perimeter seal
- Cardboard packers between door and jamb
- Southco flush lock fitted to door leaf

A. PRODUCT CHECK AND SITE

Required: Cutting tool, 100x50mm RHS steel, welding kit.

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. Calculate your frame size to leave the required opening within the frame, so the jamb can then sit flat against it to be attached:
 - ▶ 100x50mm RHS steel is recommended, to create a good-sized flat surface to attach the door jamb
 - ▶ The required opening inside the steel frame depends on the size of the door to be installed.

	200.CD.820
DOOR SIZE	2040mm (h) x 820mm (w)
REQ. OPENING	2055mm (h) x 840mm (w)
	200.CD.920
DOOR SIZE	2040mm (h) x 920mm (w)
REQ. OPENING	2055mm (h) x 940mm (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.
 - ▶ 50mmx50mm 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 and jamb set is fixed in place:

1. Remove packers.
2. 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:

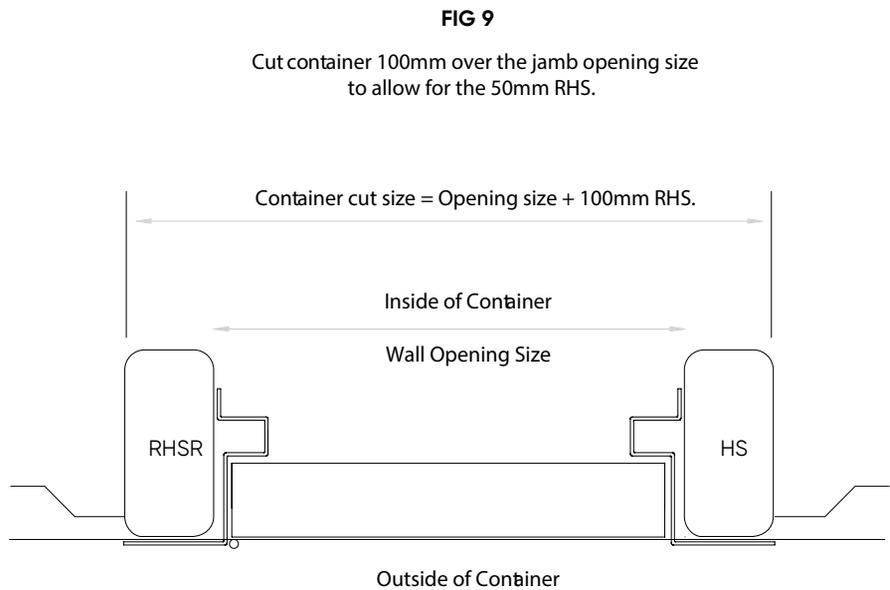
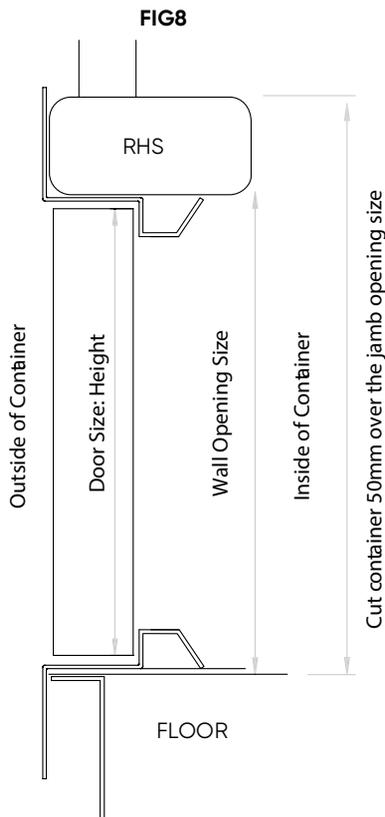
- ▶ In rural or normal urban environments, every six (6) months.
- ▶ In areas of high pollution, such as industrial areas or coastal environments, every three (3) months.
- ▶ In particularly hazardous or corrosive environments such as beachfronts, severe marine environments, areas of high industrial 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.CD.820	2040 x 820	37	2052 x 837	2136 x 924	-	2050 x 828	2018 x 798	2055 x 840	180°	C
200.CD.920	2040 x 920	37	2052 x 937	2136 x 1024	-	2050 x 928	2018 x 898	2055 x 940	180°	C



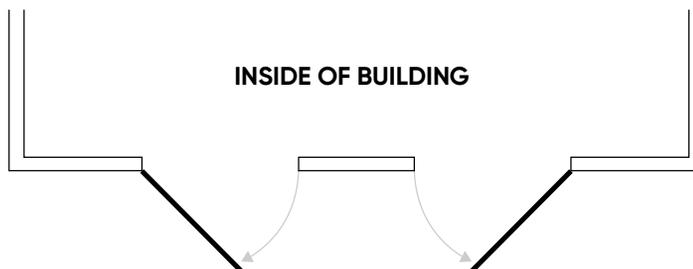
KNOW YOUR HANDING

'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.

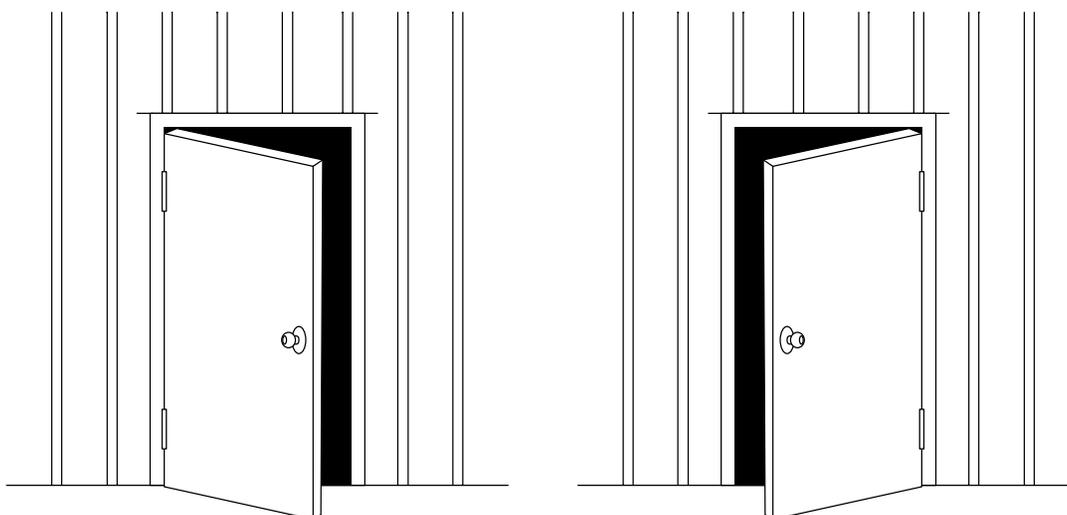
HOW DO YOU TELL?

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.