

Installation Guide

Storco Smartshed
Single door

Version 1.1
Updated Jan 2024

Contents.

Contents. 2

Introduction. 3

- About the Smartshed 3
- Features 3
- Specifications 3
- Warning 3
- Disclaimer 3

Preparation. 4

- Site preparation 4
- Tools required 4
- Safety 4

Parts list. 6

- Base frame assembly 6
- Wall panels 6
- Roof assembly 7
- Door opening assembly 7

Installation. 9

- Base 9
- Walls 10
- Roof 11
- Door 11

Introduction.

About the Smartshed

The Storco Smartshed is a portable storage solution designed for use where permanent storage structures are prohibited by easements, costs, or practicality.

Smartsheds offer the strength and security needed for self storage in a mobile and cost-effective frame. They are a self-contained 6×3m storage space that comes fully clad for easy installation.

Features

- A modular galvanised steel frame that comes pre-clad and ready for assembly.
- Easy relocation using the included forklift tyne slippers.
- Customer-friendly access with Storco's proven roller door and latch.
- Standard self storage 6×3m footprint for unit size consistency and ease of placement.

Specifications

- Tare weight 900kg
- Maximum uniform distributed load of 5.0kPA.
- Maximum point load of 4.5kN
- Rated for wind speeds up to 45m/s

Warning

- Only move Smartsheds while they are completely empty.
- Smartsheds are only designed to be moved by a forklift. Disassemble the Smartshed before transporting the Smartshed, such as between storage sites. Do not attempt to move the Smartshed while it is assembled.
- Not rated for vehicle storage

Disclaimer

While this document is accurate according to the best tests and information availavble to us at the time of publication, the data here is general in nature only. It is not a suitable replacement for project-specific advice.

Storco reserves the right to modify the content of this document without notification. Suggestions for, or descriptions of, the application of products or methods of working are general in nature and Storco Storage Systems accepts no liability in respect thereof.

Preparation.

Site preparation

Storco recommends placing Smartsheds on a site with the following properties. Note that incorrect plcacement may affect your warranty.

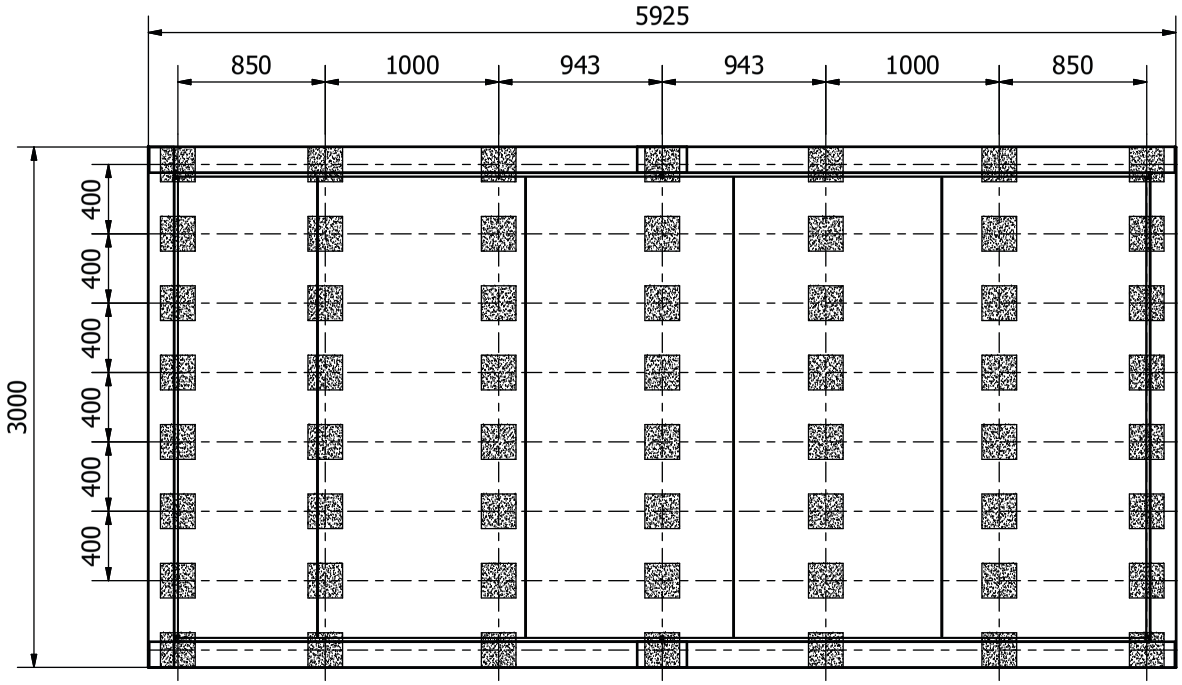
- Base is to be set on a hard, flat surface such as concrete.
- The grade should be as level as possible.
- Where soft ground is present, additional support under top hats is required.
- The minimum required support spacing under top hats is 400mm.

Note

It is the responsibility of the purchaser to determine if a site meets the installation and support requirements for installing a Smartshed. Storco takes no responsibility for damage to incorrectly placed Smartsheds.

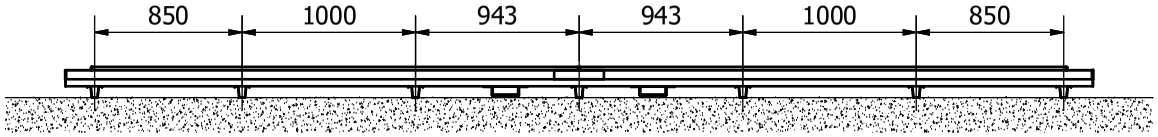
Tools required

- Ladder (minimum 2m recommended)
- Power drill
- Impact driver
- Rivet gun
- Hex-head socket wrench
- Level
- Tape measure
- Chalk line

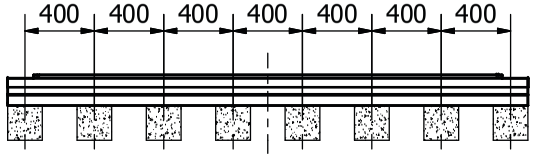


BASE SUPPORT LOCATIONS

FIGURE 1. BASE SUPPORT LOCATIONS



BASE
STANDARD TOP-HAT SPACING



TOP-HAT SUPPORT
MINIMUM CENTERS

Parts list.

Base frame assembly

Part no.	Qty	Description	Notes
SS-063-001	4	Timber plywood flooring 2700×1200	
SS-063-002	1	Timber plywood flooring 2700×825	
SS-063-003	2	Flashing 0.9×520×3000 LG	
SS-063-004	4	Flashing 0.9×520×3100 LG	
SS-063-005	2	RHS 150×50 @ 3000 length	
SS-063-006	8	Saddle 1×50×344 LG	
SS-063-007	7	Top hat 65 @ 3000 length	
SS-063-100	1	Base frame	Supplied as two parts in NZ

Wall panels

Part no.	Qty	Description	Notes
SS-061-100	5	Wall panel assembly 2450H×3000Wmm	Includes frame, cladding, bracing straps, and double-sided tape
SS-064-003	2	Rear corner flashing	

Roof assembly

Part no.	Qty	Description	Notes
	4	TRIMDEK® @ 5950mm	
	1	Roof purlin A @ 2980mm	AU: 150×1.20mm Z-purlin NZ: 150×0.95mm top hat
	1	Roof purlin B @ 2980mm	AU: 96×0.95mm top hat NZ: 100×0.95mm top hat
	1	Roof purlin C @ 2980mm	AU: 64×0.95mm top hat NZ: 60×0.95mm top hat
	1	Thermoseal Resiwrap @ 30000mm	
	1	Gutter square slotted @ 3000mm	
	1	Downpipe 100W×50Dx2400Hmm	
SS-064-001	1	Roof flashing front left @ 3058mm	
SS-064-007	1	Roof flashing rear left @ 3055mm	
SS-064-002	1	Roof flashing front right @ 3058mm	
SS-064-008	1	Roof flashing rear right @ 3055mm	

Door opening assembly

Part no.	Qty	Description	Notes
SS-065-300	1	Door frame header	
SS-065-100	1	Door frame mullion left	
SS-065-200	1	Door frame mullion right	
SS-065-021	1	Door frame header flashing	
SS-065-011	1	Door frame mullion flashing left	
SS-065-031	1	Door frame mullion flashing right	
	1	Roller door 2200H×2400Wmm	Includes D handle, latch, and fasteners
	1	Roller door mounting bracket left	
	1	Roller door mounting bracket right	
	1	Top stop bracket	
	2	Roller door track @ 2370mm	


FRAGILE


Storco.



Installation.

Note

Base assembly only required for Smartsheds delivered to New Zealand.

Base

1. Assemble the two base frame sections (figure 2) using 12 fasteners - two fasteners per section.
   Ensure the diagonal braces face the outside of the frame.

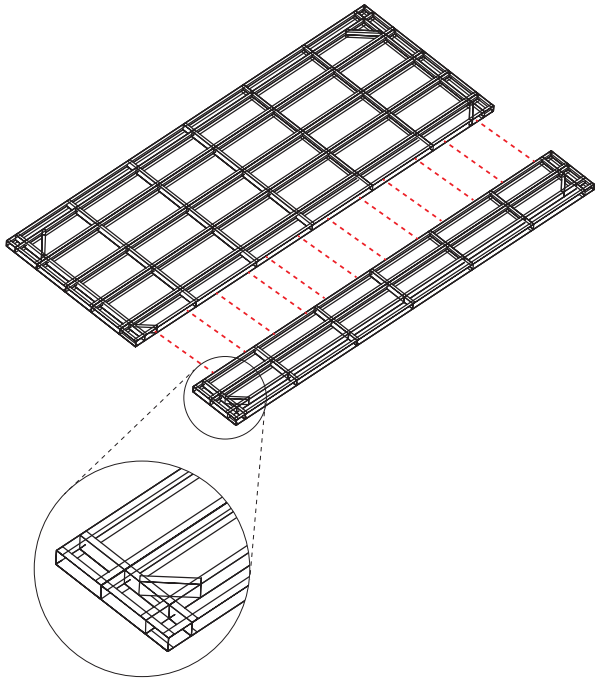


FIGURE 2. ASSEMBLE THE BASE SECTIONS

2. Fasten 150×50×2mm galvanised lifting slippers to the base using 4 saddles per side. Glue between saddle and RHS frame (figure 3)

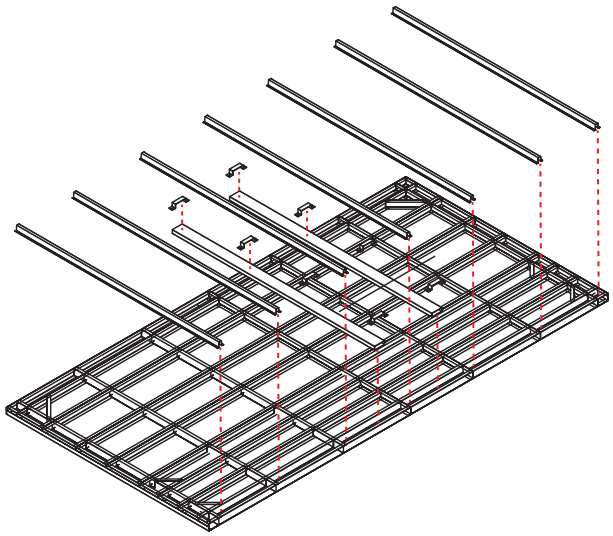


FIGURE 3. TYNE LIFTING SLIPPERS & TOP HATS

3. Screw the 64mm top hats to each side of base.
4. Flip frame 180˚, ensuring the top hats are evenly supported on the ground.
5. Secure flooring and base perimeter flashings (figure 4).

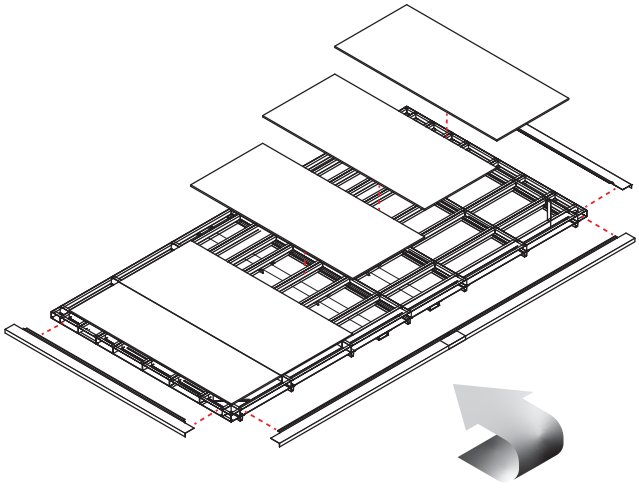


FIGURE 4. SECURE FLOORING & PERIMETER FLASHINGS

Walls

1. Secure the front-right wall panel and right-hand door mullion to the base (figure 5). Ensure the side of the mullion with the additional vertical support faces the inside of the door opening.
2. Working counter-clockwise from the front-right panel, secure the remaining Smartshed wall panels,
3. Working from the front right, fasten the remaining Smartshed wall panels, bracing or supporting as needed. Use the included double-sided tape to adhere the lip of each panel to the frame of the panel adjacent to it.

Note

The wall panels need to be placed in order, starting from the front-right panel. This ensures the wall frame flanges face down. If they face up they are more likely to catch on objects, collect dust, and injure customers.

Note

Single-door Smartsheds have five walls panels to be erected. Double-door Smartsheds only have four wall panels, but the order of assembly remains the same: start from the front-right, then sequentially in a couter-clockwise direction.

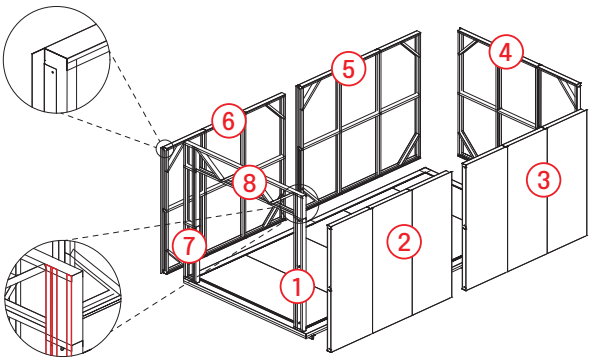


FIGURE 5. SECURE WALL PANELS & MULLIONS

4. Ensure the front two side walls are plumb and secure the left-hand door mullion, again ensuring the side of the mullion with additional vertical support faces the inside of the door opening.
5. Fasten roof purlin B and run it across the middle of the Smartshed so that it spans the intersection of the two middle wall panels (figure 6).
6. Add the two remaining roof purlins. Roof purlin A should be equidistant to the Smartshed opening and purlin B. Roof purlin C should be equidistant to the rear of the Smartshed and purlin B.
7. Add the door mullion flashings and secure.
8. Rest the header flashing on the header but do not fasten it in place yet.

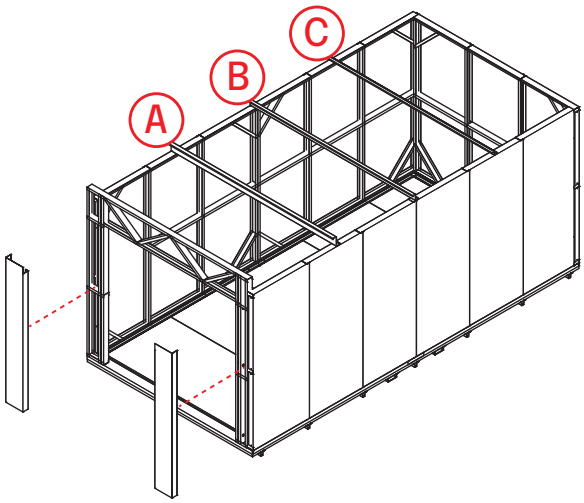


FIGURE 6. FASTEN MULLION FLASHINGS AND PURLINS

Roof

1. Place roof sheets on using header flashing as placement guide. The first three sheets will have one single rib overlap. The final sheet has a two-rib overlap (figure 7).
2. Ensure sheets are sitting square on roof and that they have sufficient overhang on rear wall for guttering and flick lines for roof screws.
3. Remove the header flashing, then fasten the roof sheets.

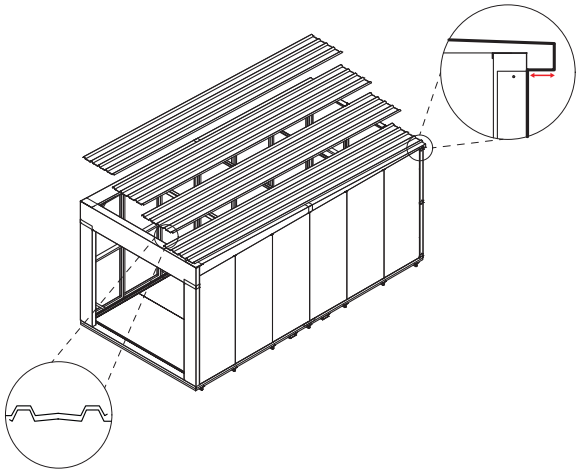


FIGURE 7. FASTEN ROOF PANELS

4. Re-add and fasten the header flashing.
5. Fasten the rear corner and barge flashings (figure 8).
6. Install the gutter and downpipe.

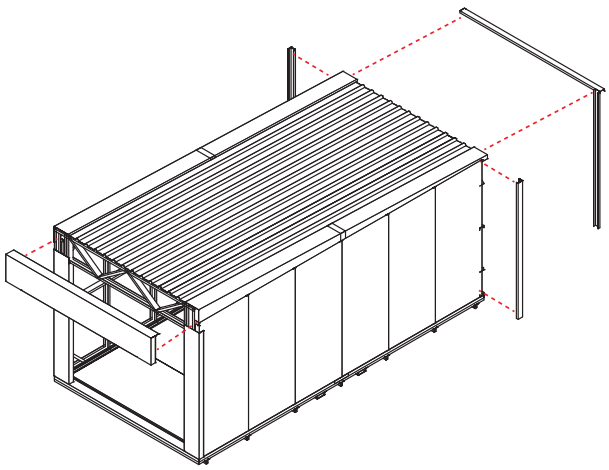


FIGURE 8. ASSEMBLE GUTTER, DOWNPIPE, AND HEADER FLASHING

Door

1. Fasten roller door runners, ensuring they are positioned to the width of the roller door curtain, not the door opening (figure 9).
2. Fasten the roller door brackets.
3. Rest the roller door on top of the brackets and position, taking care to only move it using the central shaft, not the barrel or curtain.
4. Fasten the roller door in place and rotate it 1½ times to tension the springs.
5. Feed the door curtain into the runners.
6. Install the stainless steel door latch.

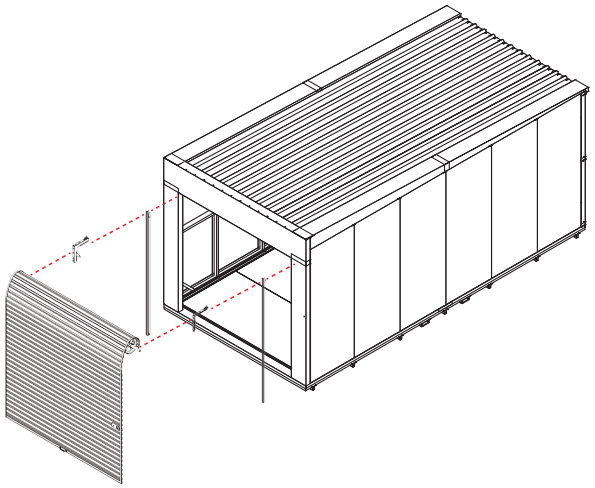


FIGURE 9. ASSEMBLE ROLLER DOOR



Storco.

Orange | Sydney | Melbourne | Whangārei

storco.com.au
+61 2 6391 2800