

Steel Component Manufacturing for Smart Construction



TELESCOPIC INTERIOR WALL PANELS DESIGNED User guide for installation of designed telescopic wall panels



Telescopic Panels - Designed

Telescopic Panels for commercial interior framing, manufactured to your supplied designed files, cut the need for constant measuring and remeasuring, snipping, and adjusting onsite. Any doors and windows within the panels are fixed to remain perfectly square at all times. That means you save time, effort and reduce wastage too. And they make levelling up soffit panels a breeze.

Telescopic panels with two-axis or multi-axis extensions are pre-assembled and compressed for delivery or flat packed. Frames are strong, lightweight, and retractable, so they are easy to move around onsite, even in tight spaces. Then expand and secure for a fitting end, every time.



Connection Details



Receiving your made to order panels and assembly plans

Once your order has been manufactured, you will recieve your order either partially assembled or flatpacked for an autonomous assembly. Regardless, each order will be despatched with 2 sets of plans:

- 1. The customised floor plans
- 2. The customised wall panel assembly plans



Customised Floor Plans

These plans provide the locational layout of the panel systems over the full site build drawings and the specific directions each individual wall panels are to be installed. It is important to pay particular attention to this plan to install in the correct orientation.

Customised Wall Panel Assembly Plans

We provide a secondary customised set of plans that detail the wall panel dimensions and their respective orientation of componentry for a clear guide of install methodology.

The use of our numbering system as marked on each physical component matches this plan, making light work of flat-packed assembly anywhere. Taking the time to preview these plans on receipt and have the customer check them over prior to install is a reccomended preliminary step to ensure what has been supplied matches the up-to-date build site requirements.





Telescopic Panels Designed Installation Steps

Step 1

Check you have everything supplied by counting the number of physical wall panels against the number of wall panels on your floor plan.



Step 2

Spend some time unpacking the individually packed components and laying them out in order of installation using the assembly plan so that everything is easily visible and in situ as you go.



Step 3

Now take the RTelescopic Studs and the C Studs for all the common studs within the wall panel. Nest the studs web to web. DO NOT BOX the studs.



Telescopic Panels Installation Guide cont

Step 4

Place the swaged end of the nested C Stud into the floor base track from step 1. Align each C Stud up with the pre-punched locations as per the wall assembly plan. Check to make sure the studs are positioned correctly. Open facing sides should all be in the same direction.

Step 5

Slot the nogging tracks into the steel studs and align into position flush with the dimples



Step 6

Connect the top slotted deflection head track onto the RTelescopic Stud



Step 7

Take a minute to check all the connecting points are fitting correctly and are fitted with the 10G framing screw. Check with Rollforming Services the recommended screw specification for best suited to the installation environment. Most NZ climates call for zinc plated coating to protect from any internal moisture



Telescopic Panels Installation Guide cont

Step 8

Flip the completed wall panel over to check all connection points on the opposite side are screwed off.

Step 9

Align the wall frame with the floor set out position correctly and anchor it with the appropriate fixings.





Step 10

Slide the RTelescopic Studs upward by pushing the head track and moving the top section upward telescopically until it meets the underside of the wall or ceiling above. Align the wall panel to the set out and check the wall panel is not skewed. Now take the approved fasteners and fix the head track into place at no more than 600mm centres.



Step 11

We reccomend #10G wafer head self-drilling screws to fix the RTelescopic Studs and C Studs together. See diagram below. Some methods may vary depending on wall lining conditions. If the splice location is unlined on the wall, secure the two studs together using 4/#10G located in the most upper and bottom holes.



Standards and Building Codes

Rollforming Services Ltd uses the following standards in its procurement, manufacturing, testing, design and marketing policies for compliance with the respective Building Codes of Australia and New Zealand

Design Standards:	AS/NZS4600
AS/NZS1170 Part 0	Cold-formed steel structures
Structural design actions- General Principals AS/NZS1170 Part 1 Structural design actions – Permanent imposed and other actions	Steel is purchased to the following standard: AS1397 Continuous hot-dip metallic coated steel sheet and strip – coatings of zinc and zinc alloyed with aluminium and magnesium
AS/NZS1170 Part 2 Structural design actions – Wind actions AS/NZS1170 Part 4 Structural design actions – Earthquake actions in Australia	Quality Assurance ISO 9001 Quality Management Systems
NZS/1170 Part 5 Structural design actions – Earthquake actions in New Zealand	

Disclaimer:

Original manufacturer Rollforming Services recommends its products and systems are installed by a qualified tradesperson and according to the relevant codes and standards. Before acting on any advice or opinion in this manual, you should seek professional advice in light of unique architectural and building requirements.

Fire rating of framing to be confirmed by lining board manufacturer.



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