PROFRAME DECK FRAMING MADE EASY

How to assemble the Proframe aluminium deck system like a pro.

NZ MADE

GUARANTEE • 15 YEARS • GUARANTEE

PRO FRAME
ALUMINIUM DECK FRAMING

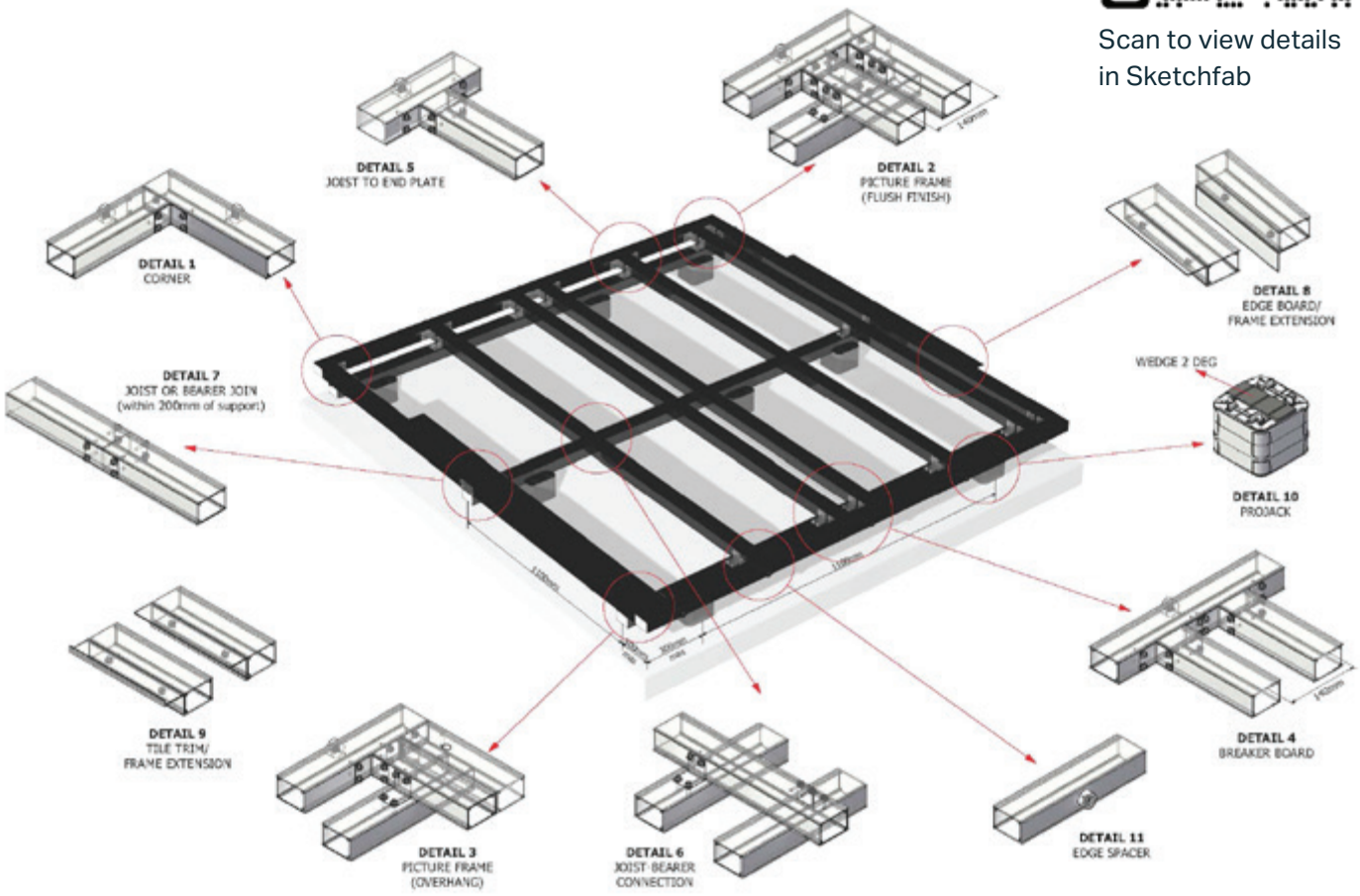
proframe.co.nz

FRAME LIKE A PRO WITH PROFRAME

The aluminium joist and bearer system with the easy, one-size-fits-all design that supports timber decking, composite decking, structural tiles, prograte and artificial turf.

Scan to view details in Sketchfab

BEARER FRAMING DETAILS



70 x 45 profile available in 4 standard lengths: 3.6m, 4.2m, 4.8m, 5.85m
70 x 90 profile available in 5.0m lengths
One-size-fits-all joist and bearer combination needs just 2 brackets (right angle, straight connector)
Allows for decks as low as 70mm

Thing's you will need:

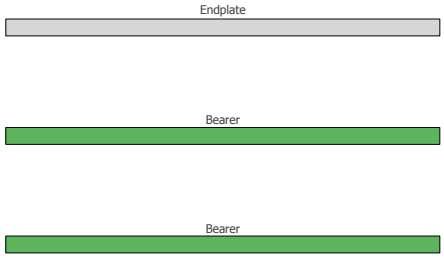
Tape measure, pencil, builders square, spirit level, battery drill / impact driver and a drop saw with a fine tungsten blade is preferred but a skill saw is adequate for the task at hand. Most of all some common sense.

Please remember to always wear eye, hearing, foot and hand protection at all times.

HOW TO GUIDE

BEARER FRAMING INSTRUCTIONS

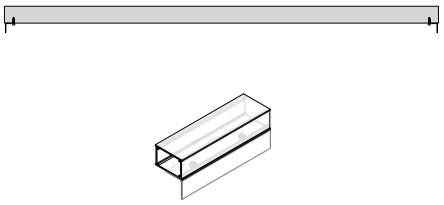
1 Cut the endplates (shown in grey) and bearers (shown in green) to length.
Allow for the a 12mm clearance away from any cladding or vertical face.



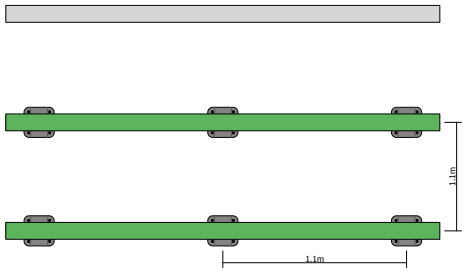
2 Attached a 90-degree brackets to either end of endplates to take the first and last joist.

Tip: cut a small piece of Proframe to help position the bracket.

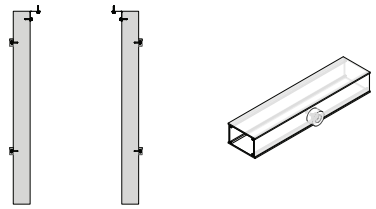
If you have a fascia board around the outside turn the endplate upside down and attach the edge trim now.



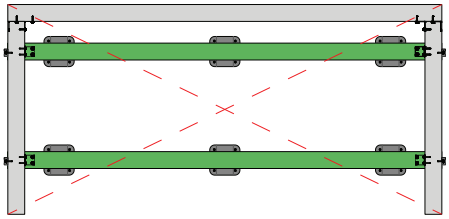
3 Position enough Jacks in place to hold the frame roughly to height.
Lay the bearers/endplates into position.
(Bearers / Jacks are spaced at 1.1m)



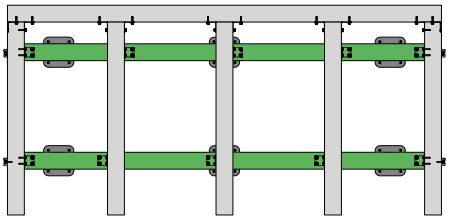
4 Cut joist to size (allow for the 12mm clearance) attach a 90-degree brackets to each side of the joist.
If you have a fascia board on the side of the deck. Turn the outside joist over and attach the edge trim to the underside you may have to cut it between the bearer lines.
Attach the edge spacers on the side of the 2 outside joist to hold the frame 12mm off the building.



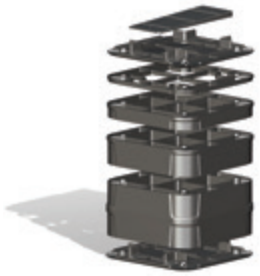
5 Attached the two-outside joists to the endplate first.
Check that the joist are square and parallel.
The diagonal measurements should be the same.
Connect the joist to the bearer with a 90-degree brackets on the side of the joist.
Tip: if you cannot fit a bracket in place drill a 16mm hole through the top of the joist and attach to the joist to the bearer with a tex screw.



6 Mark out the joist centres on the end plates and bearers.
(Please check the recommended joist spacing from your decking manufacturer.)
Attach the rest of the joists to the endplate with a bracket on each side.
Fix the joists down to the bearer alternating the brackets on the sides of the joist.



7 Set the frame to the finished height by adjusting the jacks and filling in the missing jacks.
Make sure the jacks are a firm fit with a rubber wedge on top of all the jacks.
This helps with noise and fine adjustments if required.



8 Well done! You are now ready to lay your decking.

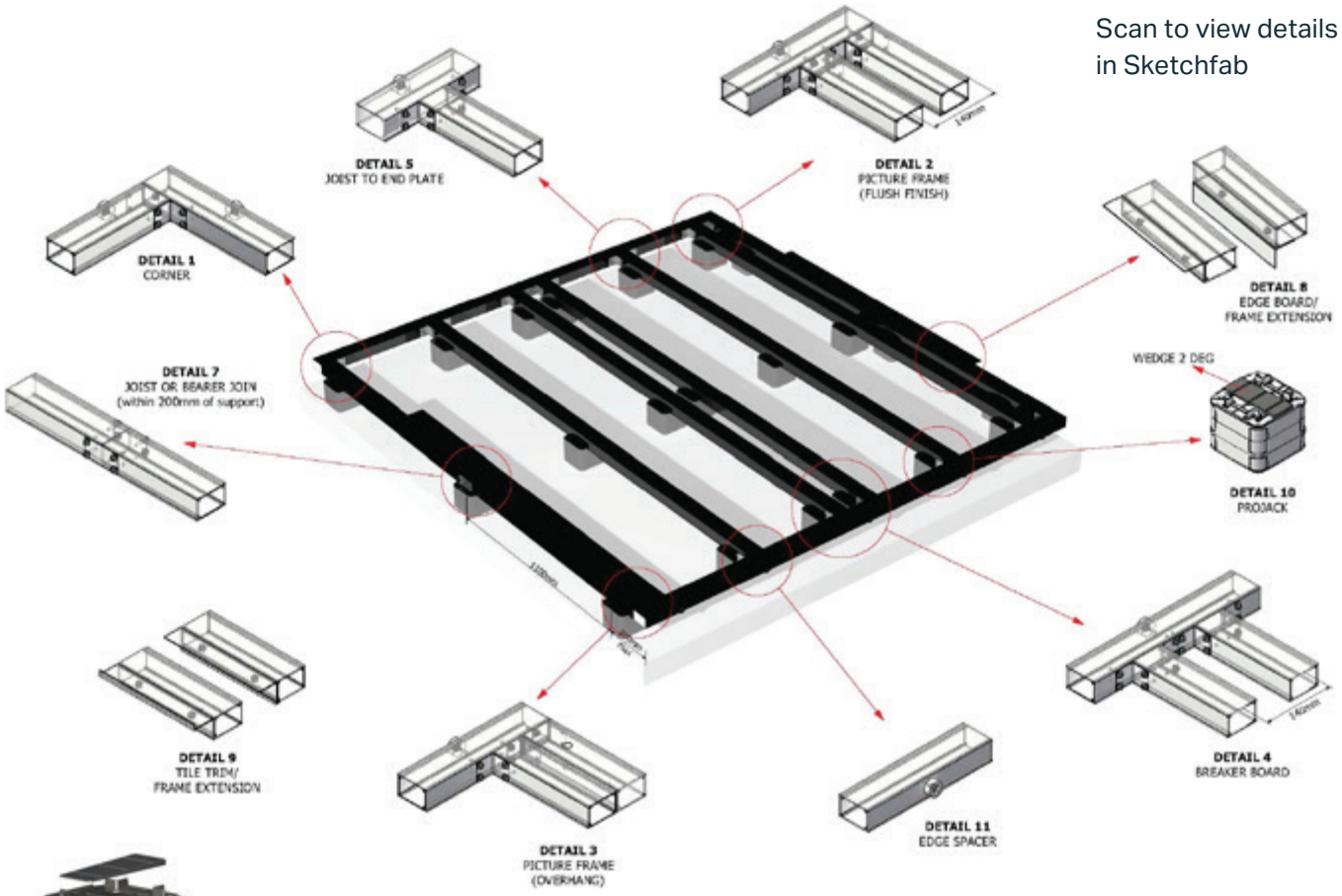
Any questions? Get in touch
Head Office **09 274 6825** | **info@proframe.co.nz**

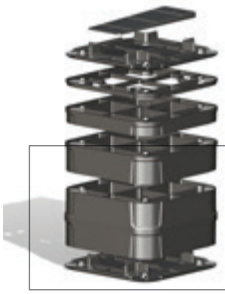
LEVEL UP WITH PROJACK

A low-cost, stackable deck jack with interchangeable spacers, supporting timber and Proframe Aluminium for strong decking support.

Scan to view details in Sketchfab

PROJACK FRAMING DETAILS





Construct jack heights from: A low of 5mm to a high of 300mm
Spacers are available in 4 heights: 5mm, 15mm, 30mm, 60mm
Stackable Design makes height adjustment easy.

Thing's you will need:

Tape measure, pencil, builders square, spirit level, battery drill / impact driver and a drop saw with a fine tungsten blade is preferred but a skill saw is adequate for the task at hand. Most of all some common sense.

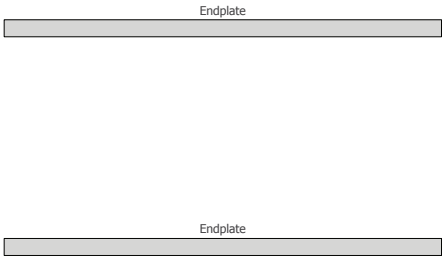
Please remember to always wear eye, hearing, foot and hand protection at all times.

HOW TO GUIDE

PROJACK FRAMING INSTRUCTIONS - No bearers required

1 Cut the endplates (shown in grey) to length.

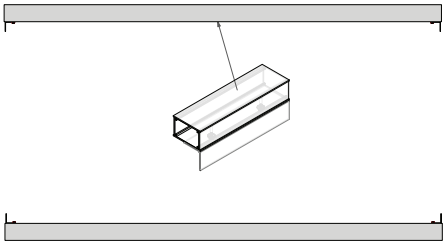
Allow for the a 12mm clearance away from any cladding or vertical face.



2 Attached a 90-degree brackets to either end of endplates to take the first and last joist.

Tip: cut a small piece of Proframe to help position the bracket.

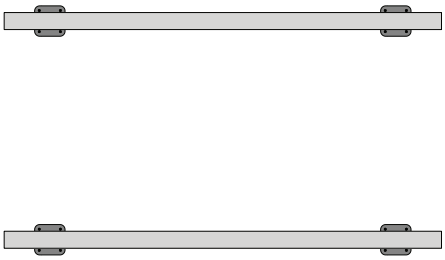
If you have a fascia board around the outside turn the endplate upside down and attach the edge trim now.



3 Position enough Jacks in place to hold the frame roughly to height.

Lay the endplate into position.

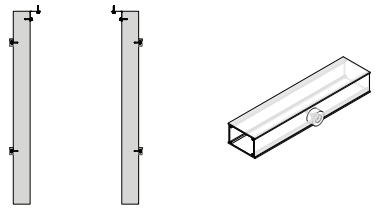
Jacks are spaced at 1.1m)



4 Cut joist to size (allow for the 12mm clearance) attach a 90-degree brackets to each side of the joist.

If you have a fascia board on the side of the deck. Turn the outside joist over and attach the edge trim to the underside you may have to cut it between the bearer lines.

Attach the edge spacers on the side of the 2 outside joist to hold the frame 12mm off the building.



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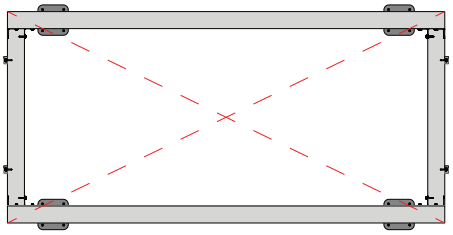
Check the joist are square and parallel.

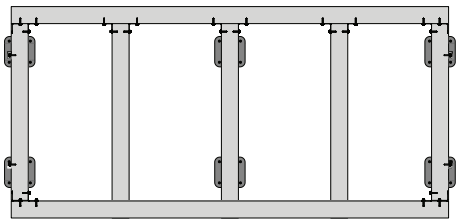
The diagonal measurements should be the same.



6 Mark out the joist centres.

(Please check the recommended joist spacing from your decking manufacturer.)

Attach the rest of the joists to the endplate with a bracket on each side.



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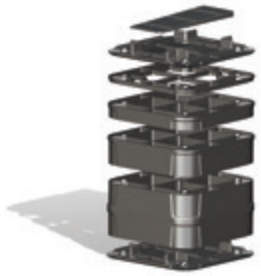

8 Well done! You are now ready to lay your decking.

Any questions? Get in touch

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SPECS

DECKING BOARD - MAXIMUM SPAN FOR LIVE LOADS

	2Kpa 0r 1.8KN	3Kpa or 2.7KN	4Kpa or 2.7KN
70X 45 Joist Span	1.1m @ .6m ctr	.9m @ .6m ctr	.9m @ .6m ctr
70X 45 Bearer Span	1.4m @ 1.1m ctr	1.1m @ .9m ctr	1.0m @ .9m ctr
70X 90 Joist Span	2.5m @ .6m ctr	2.0m @ .6m ctr	1.8m @ .6m ctr
70X 90 Bearer Span	2.3m @ 1.1m ctr	1.9m @ .9m ctr	1.7m @ .9m ctr

Maximum dead load 25 KG/m^2

STRUCTURAL TILE - MAXIMUM SPAN FOR LIVE LOADS

	2Kpa 0r 1.8KN	3Kpa or 2.7KN	4Kpa or 2.7KN
70X 45 Joist Span	1.1m @ .6m ctr	.8m @ .6m ctr	.75m @ .6m ctr
70X 45 Bearer Span	1.0m @ 1.1m ctr	.7m @ .8m ctr	.7m @ .75m ctr
70X 90 Joist Span	2.5m @ .6m ctr	1.9m @ .6m ctr	1.7m @ .6m ctr
70X 90 Bearer Span	2.2m @ 1.1m ctr	1.8m @ .8m ctr	1.6m @ .75m ctr

Maximum dead load 48 KG/m^2

NOTE:

All spans have a 10% increase when spanning three supports or more.

CANTILEVERS
70 x 45 Joists
Max cantilever 300 mm.

70 x 45 Bearer
Max cantilever 200 mm.

70 x 90 Joist/Bearer
Max cantilever 600 mm.

PROFRAME and PROJACK were designed for builders, by a builder.

With decades of industry experience, we've developed the simplest way to make building decks easy for builders, architects, DIYers, and even some of the biggest names in the business

dasso_nz
FUTURE WOOD reaching for a sustainable world
Decking Direct
CARTERS Your Building Partner
NURAJACK DECKING MADE EASY
EKOLOGIX
TILE SPACE
itm
biform SOLID COMPOSITE DECKING
TigerTurf
PERMA DECK Composite Decking
BUNNINGS warehouse