



# HANGARS

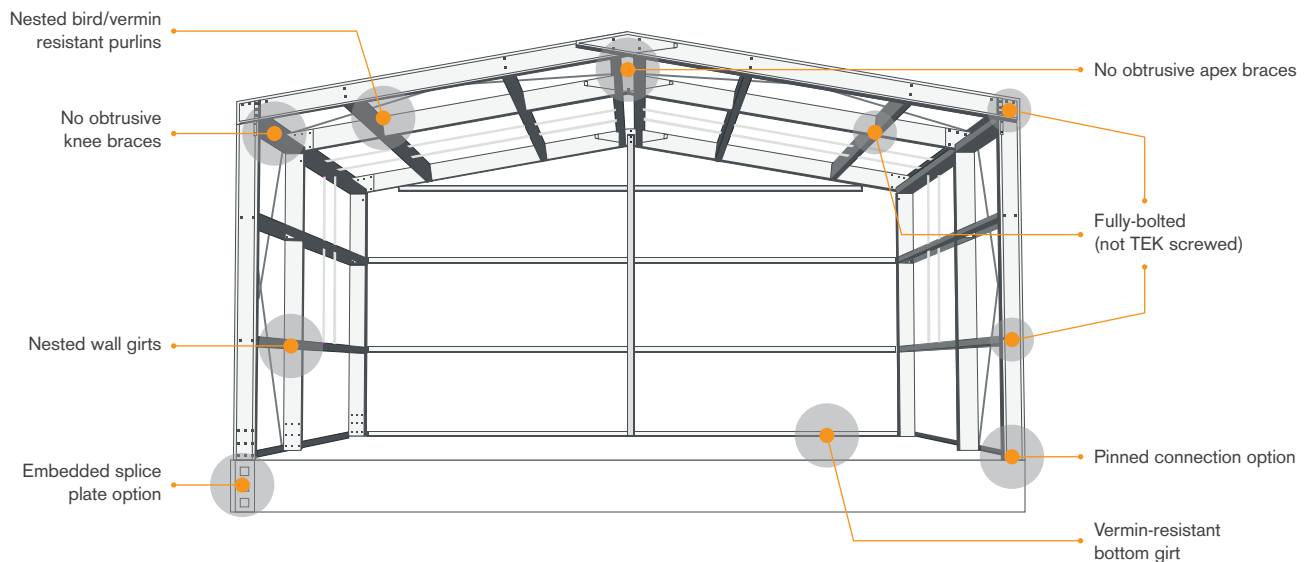


Learn more about our systems  
**CORESTEEL.CO.NZ | 0800 CORESTEEL**

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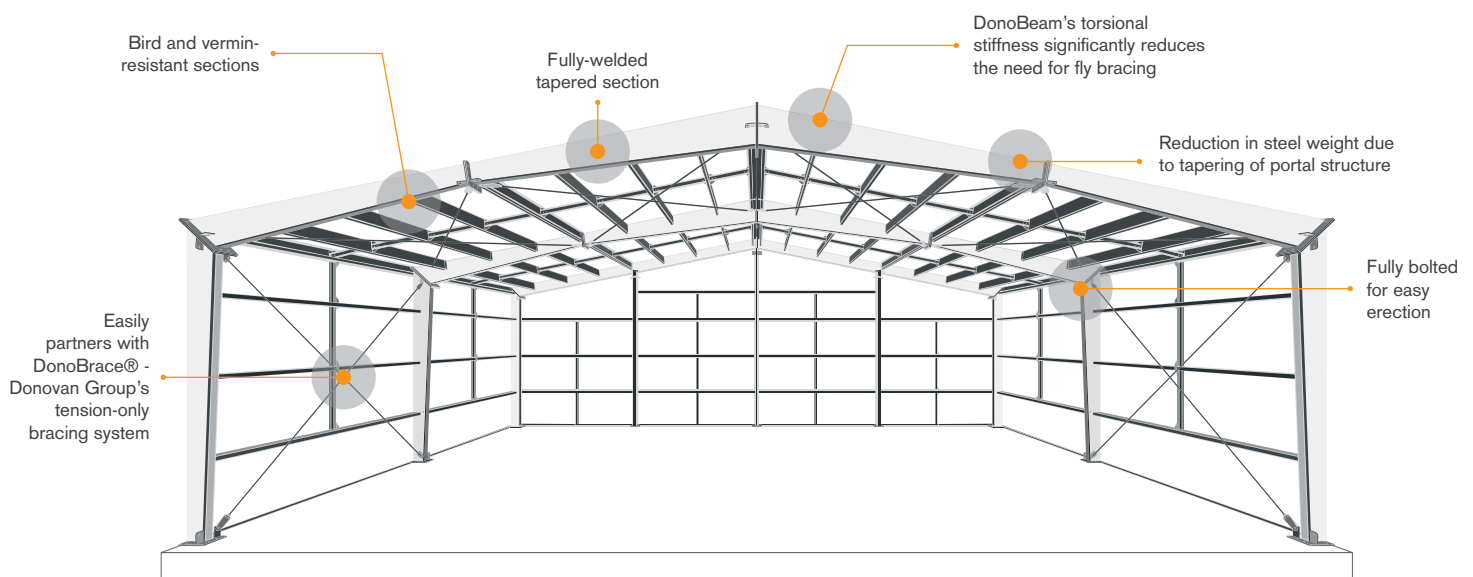
**Protect your aircraft with a Coresteel hangar building.** We specialise in the design, manufacture, and construction of elite steel hangars that you can rely on for years to come. Our innovative portal systems – the Bracketless Portal System and DonoBeam – offer a smarter, more cost-effective way of building and impressive clear spans.

## Bracketless Portal System



Our unique, patented Bracketless Portal System is constructed using cold-formed flat Z450 galvanised coil. Typical clearspans range from 9m to 30m.

## DonoBeam



DonoBeam is manufactured by folding two halves of steel plate and welding them together to form a box. The box is tapered through its length, utilising only the amount of steel required, which reduces the weight/cost without affecting structural integrity. Using the DonoBeam system, we can achieve impressive spans suited to your business needs.



## Hamilton Heliport Ltd, Hamilton

"Coresteel meant we could realise the vision of a hangar that was both practical and stylish in its design. The interface with our architect was hassle-free and once the building got to the structural design stage it was great to have an engineering team as part of the Coresteel package."

- Brent Glover, Hamilton Heliport.

**L:** 52m **W:** 18.3m **H:** 8m

**FLOOR SIZE:** 1152m<sup>2</sup>

**PORTAL SYSTEM:** DonoBeam



## Tara Iti, Mangawhai

This sleek hangar is located at Tara Iti's private golf club. The hangar utilises the Bracketless Portal System, allowing for more usable interior space and no interference from centre poles or bracing.

**L:** 20m **W:** 30m **H:** 5m

**FLOOR SIZE:** 600m<sup>2</sup>

**PORTAL SYSTEM:** Bracketless Portal System



## Sports Aircraft NZ, North Harbour

A modest-sized aircraft hangar. It was designed and built to Sports Aircraft's specific measurements and tailored to fit the land.

**L:** 15m **W:** 16m **H:** 4m

**FLOOR SIZE:** 253m<sup>2</sup>

**PORTAL SYSTEM:** Bracketless Portal System





### ITL Aviation, Ohakea

This custom-designed facility goes beyond a simple hangar. The bespoke hangar covers 980m<sup>2</sup> and features a museum, offices, and amenities.

**L:** 30m    **W:** 30m    **H:** 5.5m

**FLOOR SIZE:** 980m<sup>2</sup>

**PORTAL SYSTEM:** Bracketless Portal System



### Angel Flight, Whangarei

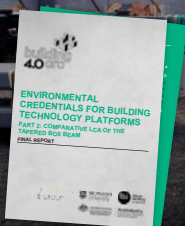
"Everything I wanted was incorporated into the design including skylights, a PA door, a remote-operated car entry door, and easy-to-open hangar doors. I have the best-looking, most strongly-constructed, and well-designed hangar at Whangarei Airport."

- Lance Weller, Angel Flight NZ.

**L:** 15m    **W:** 14m    **H:** 4m

**FLOOR SIZE:** 219m<sup>2</sup>

**PORTAL SYSTEM:** Bracketless Portal System



**MONASH UNIVERSITY RESEARCH CONFIRMS UP TO 40% CARBON EMISSION SAVINGS**  
in Australasian building projects with innovative DonoBeam design.



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## Fiasco Hangar, Kaipara

A custom-fit hangar, designed to meet the client's specific requirements and maximise their land area.

<b>L:</b> 20m	<b>W:</b> 30m	<b>H:</b> 4.2m
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<b>FLOOR SIZE:</b>	360m <sup>2</sup>
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<b>PORTAL SYSTEM:</b>	Bracketless Portal System
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## Hill Stables & Hangar, Whangarei

A custom-fit hangar that fits a helicopter and a large horse float, complete with attached horse stables and storage facilities.

<b>L:</b> 15m	<b>W:</b> 11m	<b>H:</b> 5m
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<b>FLOOR SIZE:</b>	165m <sup>2</sup>
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<b>PORTAL SYSTEM:</b>	Bracketless Portal System
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## Skywork Helicopters, Warkworth

"Our purpose-built Coresteel hanger has proven to be more than satisfactory in terms of quality. Coresteel was professional and their processes user-friendly during all phases of construction."  
- Miriam Stevenson, Skywork.

<b>L:</b> 20m	<b>W:</b> 20m	<b>H:</b> 4m
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<b>FLOOR SIZE:</b>	400m <sup>2</sup>
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<b>PORTAL SYSTEM:</b>	Bracketless Portal System
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### Omaka, Blenheim

The large, white hangar was designed with a 16m clear opening for easy accessibility. It features 4.2m of height, around-the-corner sliding doors, and smooth feature personnel doors with large top lights.

**L:** 20m    **W:** 20m    **H:** 4.8m - 6.55m

**FLOOR SIZE:** 400m<sup>2</sup>

**PORTAL SYSTEM:** Bracketless Portal System



### Harvey Hangar, Blenheim

An impressive hangar solution with over 700m<sup>2</sup> of space. Built using DonoBeam, our patented system that grants high spans and even greater design flexibility.

**L:** 30m    **W:** 25m    **H:** 7m

**FLOOR SIZE:** 750m<sup>2</sup>

**PORTAL SYSTEM:** DonoBeam



### MDR Aviation Hangar, Dairy Flat

MDR's project includes two separate hangars that each cover 360m<sup>2</sup>. A key feature is the custom-built 16m x 4m opening for the sliding doors.

**L:** 18m    **W:** 20m    **H:** 4.2m

**FLOOR SIZE:** 360m<sup>2</sup>

**PORTAL SYSTEM:** Bracketless Portal System







## Your one-stop shop for Hangar solutions

Cost-effective systems without compromising structural integrity

- Buildings not confined to set sizing - fully bespoke
- No obtrusive knee or apex braces
- Fully-bolted primary and secondary sections i.e. not TEK screwed
- Bird-resistant purlins and vermin-resistant girts
- Coresteel is your designer, engineer, manufacturer and builder all in one, considerably reducing costs
- 50-year design life/durability statement
- Coresteel is 100% New Zealand owned and operated
- Two unique building systems - patented Bracketless Portal System and DonoBeam.

For a personalised quote, contact your local Coresteel expert  
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