

Building Performance

[Building Performance](#)

Site

search

Search

Popular searches

1. [Why contracts are valuable](#)
[Consumer protection measures](#)
2. [Use licensed people for restricted building work](#)
[Choosing the right people for your type of building work](#)
3. [Work that doesn't require a building consent](#)
[Schedule 1 guidance](#)
4. [Post-emergency building assessment](#)
5. [Codewords](#)
[Building regulatory news and guidance](#)
6. [Determinations](#)
[Rulings on building work disputes](#)
7. [E2 External moisture](#)
[Acceptable Solutions and Verification Methods](#)

Menu Search

-
- [Home](#)
- [Getting started](#)
 - [Building law reform programme](#)
 - [Your rights and obligations](#)
 - [Stages of the building process](#)
 - [How the building system protects you](#)

[Rights and obligations in the building process](#)

If you are involved in a building project, it's important you know who is responsible for each aspect.

- [Homeowner rights and obligations](#)
- [Builder and designer rights and obligations](#)
- [Building owner rights and obligations](#)
- [How the building system protects you](#)
- [Roles of councils and MBIE](#)

[Stages of the building process](#)

Understand project stages, from scoping and design to consents, construction and completion.

- [DIY, but build it right](#)
- [Renovations differ to new builds](#)
- [Understand your land so you design well](#)
- [Top tips for a successful build](#)

[Building law reform programme](#)

The reforms will speed up consenting and build confidence in the building system.

- [Building law reform programme](#)
- [Background](#)

[See everything in 'Getting started'](#)

- [Projects & consents](#)
 - [Planning a successful build](#)
 - [Why contracts are valuable](#)
 - [Apply for building consent](#)
 - [Build to the consent](#)
 - [Sign-off and maintenance](#)
 - [Health and safety on site](#)

[Understanding the building consent process](#)

For safe, healthy and durable buildings, all building work in New Zealand must meet certain standards. Find out how to build within the rules.

[Health and safety on site](#)

Avoid accidents and make site safety a priority.

1. Planning a successful build

- [Check if you need consents](#)
- [Choosing the right people for your type of building work](#)
- [Why contracts are valuable](#)

2. Getting a consent

- [Apply for building consent](#)
- [How to support your building consent application](#)
- [Understanding the building consent process](#)

3. Building to the consent

- [Making changes to your plans](#)
- [Typical council inspections of a building project](#)
- [Completing your project](#)

4. Sign-off and maintenance

- [Get the build signed off](#)
- [How to identify defects](#)
- [Protecting your investment](#)

[See everything in 'Projects & consents'](#)

- [Building Code compliance](#)
 - [A General provisions](#)
 - [B Stability](#)
 - [C Protection from fire](#)
 - [D Access](#)
 - [E Moisture](#)
 - [F Safety of users](#)
 - [G Services and facilities](#)
 - [H Energy efficiency](#)
 - [Specific buildings](#)
 - [Canterbury rebuild](#)
 - [Product assurance & MultiProof](#)
 - [Warnings and bans on building products](#)
 - [Building Code and handbooks](#)
 - [How the Building Code works](#)
 - [Geotechnical education](#)
 - [Online learning website](#)
 - [Introduction to medium-density housing](#)

- [Maintaining the Building Code](#)

In this section

- [How the Building Code works](#)
- [Maintaining the Building Code](#)
- [Different ways to comply with the Building Code](#)
- [Specific buildings](#)
- [Product assurance & MultiProof](#)
- [Introduction to medium-density housing](#)
- [Online learning website](#)

Find Acceptable Solutions, Verification Methods, updates and technical guidance by Building Code clause.

- [a](#)
[General provisions](#)
- [b](#)
[Stability](#)
- [c](#)
[Protection from fire](#)
- [d](#)
[Access](#)
- [e](#)
[Moisture](#)
- [f](#)
[Safety of users](#)
- [g](#)
[Services and facilities](#)
- [h](#)
[Energy efficiency](#)

[See everything in 'Building Code compliance'](#)

- [Managing buildings](#)
 - [Managing your BWoF](#)
 - [General information on building safety in earthquakes](#)
 - [Securing unreinforced masonry building parapets and facades](#)
 - [Managing earthquake-prone buildings](#)
 - [Managing buildings in an emergency](#)
 - [Change of use and alterations](#)

About managing buildings

- [Managing your BWoF \(for buildings with specified systems\)](#)
- [General information on building safety in earthquakes](#)
- [Managing earthquake-prone buildings](#)
- [Securing unreinforced masonry building parapets and facades](#)
- [Change of use, alterations and extension of life](#)
- [Managing buildings in an emergency](#)

Specified systems and compliance schedules

If you own a building that contains a specified system such as a cable car, you must ensure they are effectively operated for the life of the building and in keeping with the council-issued compliance schedule.

- [Inspections and maintenance of specified systems as a building owner](#)
- [Fines and penalties for offences relating to compliance schedules](#)
- [Compliance schedules](#)

[See everything in 'Managing buildings'](#)

- [Resolving problems](#)

- [Resolution options](#)
- [Building consent and sign-off](#)
- [Contracts](#)
- [Builds](#)
- [Designs](#)
- [Councils](#)
- [Clients](#)

[Resolving problems](#)

- [Resolution options](#)
- [Building consent and sign-off](#)
- [Contracts](#)
- [Builds](#)
- [Designs](#)
- [Councils](#)
- [Clients](#)

[Determinations](#)

A determination is a binding decision made by MBIE providing a way of solving disputes or questions about the rules that apply to buildings, how buildings are used, building accessibility, and health and safety.

- [Understanding determinations](#)
- [Applying for a determination](#)
- [Steps in the determination process](#)
- [Previous determinations](#)

[Weathertight Services](#)

- [Signs of a leaky home](#)
- [How to make a Weathertight Claim](#)
- [Resolving a Weathertight Claim](#)

[See everything in 'Resolving problems'](#)

- [COVID-19: Building and construction sector guidance](#)
 - [COVID-19 Health and Safety](#)
 - [Alert level 1 information for the building and construction sector](#)
 - [Alert level 2 information for the building and construction sector](#)
 - [Durability of materials on exposed construction sites](#)
 - [Inspection and maintenance of specified systems](#)
 - [Water system safety in reoccupied buildings](#)
 - [Essential business in the building and construction sector](#)
 - [Construction and trade sector information](#)
 - [Retailer and supplier information](#)
 - [Council and Professional Services information](#)
 - [Home and building owner and tenant information](#)
 - [COVID-19: Building and construction sector guidance](#)

[See everything in 'COVID-19: Building and construction sector guidance'](#)

- [Home](#)
- [Building Code compliance](#)
- [Product assurance & MultiProof](#)
- [Product assurance](#)
- [Case studies](#)
- Case study three

Case study three

- [Print](#)
- [Share](#)

-
-
-
-
- [Save](#)

Last updated: 15 March 2016

Case study three – How do I show compliance?

Example: structural steel brackets

- [Print](#)
- [Share](#)
-
-
-
-
- [Save](#)

In this case study, a product demonstrates compliance by following a Verification Method

A manufacturer is launching a new range of structural steel brackets for purlin, rafter, top and bottom plate and stud connections.

Step 1: Establish if this product needs to comply with the Building Code

The answer is yes, because the brackets provide structural stability. Therefore, they must comply with Building Code clause B1: Structure and clause B2: Durability.

Step 2: Establish the relevant Acceptable Solution or Verification Method

In this case, the manufacturer identifies that the relevant Verification Methods it needs to use in order to show compliance are:

- B1/VM1
- B2/VM1.

The Verification Method for B1 cites NZS 1170, the loadings standard in terms of B1: Structure.

The Verification Method for B2 involves providing evidence of in-service history or laboratory testing.

Step 3: Provide evidence

The manufacturer clearly identifies:

- the Building Code clauses against which compliance is claimed
- detailed scope and limitations for use of the product.

The manufacturer assembles the following technical information:

- product description
- calculations, test reports and records of in-service performance
- precise descriptions for the product's use, installation and maintenance
- a description of the company and contact details.

Next, the manufacturer engages an independent structural engineer to review its compliance claims and the methods used to support those claims.

The engineer refers to the Verification Method for Building Code clause B1 which identified NZS 1170 in terms of

structural loadings. The engineer:

- reviews the standard and identifies the relevant loadings that would be applied
- confirms the key facts about the steel; in particular, the grade and thickness
- checks the appropriate calculations
- establishes the brackets would meet the Building Code requirements, subject to some conditions of use.

Therefore, the engineer endorses the manufacturer's claims. They provide details of their competence to undertake the review and to confirm these claims.

The manufacturer (or the engineer) assembles a product technical statement to summarise the need-to-know product information and evidence of compliance.

The manufacturer's final task is to make sure that all the information that relates to the steel brackets is readily available to everyone involved in the building process.

It makes copies of all technical information, the product technical statement and the independent endorsement, and places this on the company's website. The manufacturer has a procedure in place to ensure all references are current.

[Case studies for your product's Building Code compliance](#)

- [Case study one](#)
- [Case study two](#)
- [Case study three](#)
- [Case study four](#)

- [Print](#)

Navigation

- [Getting started](#)
- [Projects & consents](#)
- [Building Code compliance](#)
- [Managing buildings](#)
- [Resolving problems](#)
- [COVID-19: Building and construction sector guidance](#)

What are you looking for?

General

- [About Building Performance](#)
- [Canterbury rebuild](#)
- [Practice Advisories](#)
- [Building CodeHub](#)

Building Officials

- [BCA competencies](#)
- [BCA register](#)
- [Technical reviews](#)

News Updates

- [Building for Climate Change programme gets underway](#)
- [What to consider when assessing a coastal inundation natural hazard](#)
- [Licence cancelled after negligent and incompetent supervision](#)
- [See all News and updates](#)

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[Top](#)

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- with compliance with the Building Act, it is published under section 175 of the Building Act
- with a Weathertight Services claim, it is published under section 12 of the Weathertight Homes Resolution Services Act 2006.