

STEELHAUS STEEL FRAMING

PURPOSE

SteelHaus supplies the SteelHaus Steel framing for use as lightweight structural steel framing.

EXPLANATION

SteelHaus Steel framing is rollformed and fabricated from G550 Z275 grade Galvanised steel coil supplied by New Zealand Steel Ltd.

The steel framing is available in 89mm and 150mm webs, 41mm and 45mm flanges, 0.55mm-1.55mm gauges.

The framing members can be manufactured to form walls, webbed rafters, trusses and webbed joists and is designed to meet NASH Standard Part 2:2019 Light Steel Framed Buildings.

SteelHaus Steel framing are 100 % recyclable.



For further assistance please contact:

-  0508 826 766
-  sales@steelhaus.co.nz
-  steelhaus.co.nz

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<p>Location</p> <p>In any any calculated wind pressure (ULS) which includes up to and including extra high wind zone as defined by NZS 3604:2011.</p> <p>In all seismic zones as defined in NZS 3604:2011.</p> <p>In all exposure zones as defined in NZS 3604:2011.</p> <p>Any proximity to a relevant boundary.</p>	<ul style="list-style-type: none"> ➤ Specific design is required where the wind zone is greater than extra high or the calculated wind pressure is greater than 2.1 kPa. ➤ Where microclimatic conditions apply as defined in NZS 3604:2011, contact SteelHaus for technical advice. ➤ Fixing material must be in accordance with section 4 of NZS 3604:2011.
<p>Building</p> <p>As lightweight structural steel framing truss and frames with light or heavy wall cladding as defined in NASH Standard Part 2: 2019..</p>	<ul style="list-style-type: none"> ➤ Designed in accordance with NASH Standard Part 2:2019 or specifically engineered. ➤ Where cladding exceeds 220 kg/m², specific design is required.



USEFUL INFORMATION

For design, installation and maintenance information, refer to steelhaus.co.nz.

OTHER CERTIFICATIONS AND APPROVALS

New Zealand Steel as manufacturer of the steel coil product provide assurance that the steel has been manufactured in accordance with AS 1397.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all SteelHaus requirements, SteelHaus Steel framing will comply with or contribute to compliance with the following performance claims:

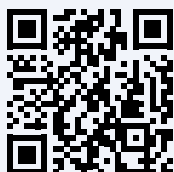
NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 STRUCTURE B1.3.1 B1.3.2 B1.3.3 (a, b, f, j, m, q) B1.3.4 (a, b, c, d, e)	ACCEPTABLE SOLUTION B1/AS1 and ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Steel in accordance with AS 1397:2021, which is equivalent to AS 1397:2011 for the NZ Steel steel. AS 1397 is cited in NASH Standard Part 1:2016 and NASH Standard Part 2:2019 [New Zealand Steel, 05/08/2021, 02/06/2020]. Section properties in accordance with NASH Standard Part 1:2016.
B2 DURABILITY B2.3.1(a) B2.3.2 (a)	ACCEPTABLE SOLUTION B2/AS1 and ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Steel in accordance with AS 1397:2021, which is equivalent to AS 1397:2011 for the NZ Steel steel. AS 1397 is cited in NASH Standard Part 1:2016 and NASH Standard Part 2:2019 [New Zealand Steel, 05/08/2021, 02/06/2020]. Chemical composition of steel tested to ASTM E 415:2017 and JIS G 1253:2002 [New Zealand Steel, 05/08/2021, 02/06/2020].
C3 FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE C3.7 (a)	ACCEPTABLE SOLUTION C/AS1 C/AS2	<ul style="list-style-type: none"> Steel is defined in C/AS1 and C/AS2 as non-combustible. Non-combustible products achieve a material group number 1.
F2 HAZARDOUS BUILDING MATERIALS F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Steel in accordance with AS 1397:2021 [New Zealand Steel, 05/08/2021, 02/06/2020]. Use in accordance with manufacturer's safety requirements.

SOURCES OF INFORMATION

- New Zealand Steel. [02/06/2020] *Test Certificate No: 464261.*
- New Zealand Steel. [05/08/2021] *Test Certificate No: 494106.*

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

steelhaus.co.nz



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

SteelHaus 2014 Ltd confirms that if SteelHaus Steel framing is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 15/02/2022

Date of current issue: 19/10/2023

NZBN: 9429041456583



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of SteelHaus 2014 Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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