



► Report on:

Loadbearing Cold
Formed Steel Framing
Construction

Volume 4, Number 2

North American Standards for Cold-Formed Steel Framing Referenced in CAN/CSA-S136-07/S1-10

The CAN/CSA-S136-07 *North American Specification for the Design of Cold-Formed Steel Structural Members*, with 2010 Supplement No. 1, governs the design of sheet steel building components in Canada. The scope of S136 is generally limited to structural members, not assemblies. However, within this document there are a number of other North American standards adopted by reference that deal with a wider scope of cold formed steel assemblies typical of lightweight steel frame construction. These standards



provide the cold formed steel structural engineer with additional design guidance thereby expanding the functionality of cold formed steel products. The scope of these standards are limited to cold-formed steel structural and non-structural members utilized in repetitive framing applications where the specified minimum base steel thickness is between 0.0179 in. (0.455 mm) and 0.1180 in. (2.997 mm). The following is a summary of the referenced documents.

[AISI S200-07, North American Standard for Cold-Formed Steel Framing - General Provisions](#)

This document provides the general requirements applicable to all of the other North American standards including definitions, material specification, member design, installation and connections.

[AISI S201-07, North American Standard for Cold-Formed Steel Framing - Product Data](#)

This document provides the standard sizes of cold-formed steel members and applicable material standards, metallic coating requirements, manufacturing tolerances and marking. The S210 standard is referenced directly in Part 9 of the 2010 National Building Code of Canada.

[AISI S210-07, North American Standard for Cold-Formed Steel Framing - Floor and Roof System Design](#)

This document summarizes the applicable S136 design requirements for roof and floor framing members including design rules for clip angle bearing stiffeners.

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AISI S211-07, North American Standard for Cold-Formed Steel Framing - Wall Stud Design

This document summarizes the applicable S136 design requirements for wall studs, sheathed and unsheathed, including design rules for stud-to-track connections and deflection track.

AISI S212-07, North American Standard for Cold-Formed Steel Framing - Header Design

This document provides design and installation requirements for back-to-back and box headers as well as single and double L-headers.

AISI S213-07/S1-09, North American Standard for Cold-Formed Steel Framing - Lateral Design

This document provides design requirements for shear wall and diagonal strap lateral force resisting systems compatible with both US and Canadian building codes.

AISI S214-07, North American Standard for Cold-Formed Steel Framing - Truss Design

This document summarizes the design, quality control, installation and testing requirements applicable to cold formed steel trusses.

To Order

These AISI standards are currently available only in print and can be purchased from the Steel Framing Alliance through their website at www.steelframingalliance.com.

For More Information from CSSBI

For more information on sheet steel building products, or to obtain any other CSSBI publications, contact the CSSBI at the address shown below or visit the website at www.cssbi.ca.

