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AISI STANDARD

Summary of Changes in the 2004 Edition Standards for Cold-Formed Steel Framing

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SUMMARY OF CHANGES IN THE 2004 EDITION STANDARDS FOR COLD-FORMED STEEL FRAMING

The 2004 editions of the *Standards for Cold-Formed Steel Framing* have been approved and will soon be available. This includes revising three current standards, namely *General Provisions*, *Header Design* and *Truss Design*, issuing a *Supplement to the Prescriptive Method for One and Two Family Dwellings*, and issuing two new standards, namely *Standard for Cold-Formed Steel Framing - Lateral Design* and *Standard for Cold-Formed Steel Framing - Wall Stud Design*.

This document presents a brief summary of major changes made in the revision of the current standards, and an overview of the *Supplement to the Prescriptive Method for One and Two Family Dwellings* and the new design standards.

Revised: General Provisions Standard:

- A2 Definitions: A definition was added for *Applicable Building Code*, which can thereby be referenced in this family of documents.
- A4 Corrosion Protection: Language was added to clarify that additional corrosion protection is not required for shop, field cut, punched or drilled edges of metallic-coated steel framing because of zinc's ability to protect steel through galvanic-action.
- A6 Reference Documents: The Referenced Documents listing was updated to include the *AISI North American Specification for the Design of Cold-Formed Steel Structural Members, 2001 Edition with 2004 Supplement*. The reference to SAE J78 on *Steel Self-Drilling Tapping Screws* was replaced with the new *ASTM C1513 Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections*. References to all other standards were updated, as well.
- B2 Member Condition: Language was added to Section B2.2.1 on Cutting and Patching to define approved methods for cutting.
- C1 In-Line Framing: The alignment framing tolerances were revised, based on a recent testing program at the University of Waterloo. The revision provides an additional limit on the bearing stiffener offset to the load bearing members above or beneath for cases where the stiffener is attached to the back of the joist.
- D1 Screw Connections: The references to SAE J78 were replaced with the new ASTM C1513.

Revised: Header Design Standard:

- A1 Scope: The scope was revised to clarify that headers may be designed solely in accordance with the *AISI North American Specification for the Design of Cold-Formed Steel Structural Members, 2001 Edition with 2004 Supplement*. The scope was expanded to include Single L-headers and suitable limitations were added in Section A1.1.2, based on recent testing at the NAHB Research Center.
- A3 Reference Documents: The Referenced Documents listing was updated to include the *AISI North American Specification for the Design of Cold-Formed Steel Structural Members, 2001 Edition with 2004 Supplement*. References to all other standards were updated.