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Using AISI S100-16-  
Webinar Cold-Formed  
Steel Design—Explore  
the Latest  
Developments Cold-  
Formed Steel Beam  
Design to AS4600:2018  
and 2005—Webinar~~

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Recording How to  
Design a Cold Formed  
Steel Beam to AISI  
S100-16 in ClearCalcs

STAAD User table for  
aluminum \u0026amp; cold-  
formed section creation

Cold Formed Steel

*Design Cold Formed*

*Steel Sections Cold*

*Formed Steel Lateral*

*Design What is COLD-*

*FORMED STEEL?*

*What does COLD-*

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*FORMED STEEL?*

*COLD-FORMED*

*STEEL meaning \u0026amp; explanation NSCP 2015*

COLD FORMED

STEEL DESIGN **Cold**

**Form Steel**

**Construction**

Designing with Cold-

Formed Steel? Don't

Overlook These 2

Costly Construction

Details Staircase made

of cold formed steel and

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~~light gauge steel house~~

~~process Rock Reach~~

~~House Framed in 5~~

~~Days - Time Lapse~~

**Load Bearing Wall**

**Framing Basics -**

**Structural Engineering**

**and Home Building**

**Part One Cold Formed**

Steel construction

project faster with

FRAMECAD advanced

steel framing automated

process *prefab luxury*

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*homes house light steel*

*villa installation*

*construction video ACT*

*Building Systems*

*making COLD*

*FORMED buildings*

*easy ~~Steel Framing With~~*

~~FRAMECAD: Erecting~~

~~the Frame~~ Cold formed

structures from design

to building

LANKMETA -

Production of cold

formed steel profiles



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Light gauge steel

structure and cellular

lightweight concrete

infill construction

technology

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Cold-Formed Steel

Design – Explore the

Latest Developments

~~Cold-Formed Steel~~

~~Building Structure:~~

~~Composite Total Joist~~

Cold formed steel

structure building

assembling time lapse

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2018 IBC Cold-Formed  
Steel Design Changes  
Cold Formed Steel  
Construction Cold-  
Formed Steel  
Connectors Installation  
~~Direct Strength Method~~  
~~for Cold Formed Steel~~  
Design

---

Matlab Program for  
Cold Formed Steel  
Design ~~Aisi Cold~~  
~~Formed Steel Design~~  
AISI Publishes Cold-

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Steel Design

Manual, 2017 Edition

June 13, 2018

WASHINGTON, D.C.,

June 13, 2018 – The

American Iron and Steel

Institute (AISI) has

published the Cold-

Formed Steel Design

Manual, 2017 Edition ,

which is to be used in

conjunction with AISI

S100-16, North

American Specification

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Steel Design  
Manual  
for the Design of Cold-  
Formed Steel Structural  
Members, 2016 Edition  
and the Commentary.

~~AISI Publishes Cold-  
Formed Steel Design  
Manual, 2017 Edition~~  
Design of Cold Formed  
Steel Structural  
Members (AISI 2001a)  
and the Supplement  
2004 to the North  
American Specification

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(AISI 2004). Reference is also made to ASCE 7-05 (ASCE 2005) and the 2006 International Building Code (IBC 2006). The examples show how to translate the information available in load tables into complete structural systems.

~~Cold Formed Steel  
Framing Design Guide,~~  
*Page 13/37*

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~~Second Edition~~

American Iron and Steel  
Institute, "AISI Manual

Cold-Formed Steel

Design 2002 Edition"

(2003). AISI-

Specifications for the

Design of Cold-Formed

Steel Structural

Members. 130. [https://sc](https://scholarsmine.mst.edu/ccfs)

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[s-aisi-spec/130](https://scholarsmine.mst.edu/ccfs) This

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and open access by  
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been accepted for

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Specifications for the

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Steel Structural

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~~AISI Manual Cold-~~

~~Formed Steel Design~~

~~2002 Edition~~

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Steel Design Manual  
Engineer The American  
Iron and Steel Institute  
(AISI) has updated AISI  
S201, North American  
Standard for Cold-  
Formed Steel Framing –  
Product Data. AISI  
S201-17 supersedes the  
previous edition, AISI  
S201-12. The standard  
has been approved by  
the American National  
Standards Institute  
(ANSI) and is available



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Steel Framing ...~~

AISI Publishes Two  
New Cold-Formed Steel  
Research Reports

September 29, 2020

“RP20-4: Cold-Formed  
Steel Bracing Design  
Using Combinations of  
Discrete and Sheathing

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Bracing” and “RP20-5:  
Structural Design  
Manual  
Example – Four Span  
Metal Building Z-Purlin  
Line Supporting a  
Standing Seam Roof”  
are available for free  
download at  
[www.buildusingsteel.org](http://www.buildusingsteel.org)  
and [www.cfsei.org](http://www.cfsei.org).

~~Design Aids – Resources  
for Steel Building  
Construction~~

*Page 18/37*

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CFSEI offers

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AISI Committee on  
Specifications for the  
Design of Cold-Formed  
Steel Structural  
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Chairman J. W. Larson,  
Vice-Chairman H. H.  
Chen, Secretary D.

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Allen R. Bjorhoyde J.  
K. Crews D. A. Cuoco  
L. R. Daudet E. R.  
diGirolamo C. J.  
Duncan D. S. Ellifritt E.  
R. Estes, Jr.

~~North American  
Specification for the  
Design of Cold Formed~~

...

The American Iron and  
Steel Institute (AISI)  
today applauded

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Manual

passage of a measure that would set sufficient funding levels for trade enforcement activities conducted by the International Trade Administration (ITA) Office of Enforcement and Compliance (E&C) to ensure adequate resources to combat unfair trade practices.

~~AISI: American Iron~~

*Page 22/37*

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~~and Steel Institute |~~

~~Steel Industry ...~~

To facilitate the use of  
AISI S100-12, the  
American Iron and Steel  
Institute (AISI)  
developed the 2013  
edition of its Cold-  
Formed Steel Design  
Manual (Manual). The  
Manual includes 63  
worked example  
problems, tabulated and  
graphical design aids,

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Manual  
and supplemental  
information relevant to  
the design of cold-  
formed steel.

~~STRUCTURE magazine~~

~~| AISI Cold Formed~~

~~Steel Design Manual ...~~

The R Value for cold  
formed steel design is  
described in Section  
I6.2.1 of the AISI code  
and is used to calculate  
the moment capacity of



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Manual  
beams that have one flange fastened to deck or sheathing. This value only applies to C or Z members and can vary from 0.4 to 0.7 based on the depth of the member (See Table I6.2.1-1 in the AISI Supplement for the actual values).

~~Cold Formed Steel~~

~~Design~~ [risa.com](http://risa.com)

Section I2, Floor, Roof,

*Page 25/37*

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Steel Design  
Diaphragm  
Construction. AISI  
S310, AISI S240, and  
AISI S400 are  
introduced for  
diaphragm design, and  
the table of Safety and  
Resistance Factors for  
Diaphragms is moved to  
AISI S310. Section I4,  
Cold-Formed Steel  
Light-Frame  
Construction. The cold-

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formed steel framing  
standards are updated.

~~North American  
Specification for the  
Design of Cold-Formed~~

...

AISI S214-12, North  
American Standard for  
Cold-Formed Steel  
Framing–Truss Design  
Consequently, AISI  
S240 will supersede all  
previous editions of the

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above-mentioned

individual AISI

Standards. In 2015,

AISI S400, North

American Standard for

Seismic Design of Cold-

Formed Steel Structural

Systems, was

developed.

Modifications were

made to align the

provisions of 40 with

AISI S2

# Get Free Aisi Cold Formed Steel American Standard for Cold- Formed Steel Structural

...

The American Iron and Steel Institute Committee on Framing Standards has developed Supplement 1 to AISI S211, the North American Standard for Cold-Formed Steel Framing – Wall Stud Design, to update

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referenced documents

and remove provisions  
related to nonstructural

member design, which  
are covered by a newly  
published standard,

AISI S220, North

American Standard for  
Cold-Formed Steel

Framing - Nonstructural  
Members.

~~AISI S211-07 S1-12~~

~~Combined Final 5-14-13~~

*Page 30/37*

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Iron and Steel Institute  
(AISI) S100-16, “North  
American Specification  
of the Design of Cold-  
Formed Steel Structural  
Members” and other  
AISI standards  
referenced in Section  
2210 of the 2018  
International Building  
Code (IBC-2018). The  
structural prop-

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## ~~Technical Guide for Cold-Formed Steel Framing Products~~

The American Iron and Steel Institute (AISI) and the Wei-Wen Yu Center for Cold-Formed Steel Structures (CCFSS) at the Missouri University of Science and Technology announce the publication of “Cold-Formed Steel Design –



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recognized by  
professionals around the  
world as the definitive  
text on cold-formed  
steel design.

~~New Publication: "Cold-  
Formed Steel Design-  
Fifth Edition ...~~

The American Iron and  
Steel Institute  
Committee on Framing  
Standards has developed

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AISI S213, the North American Standard for Cold-Formed Steel Framing – Lateral Design, to address the design of lateral force resisting systems to resist wind and seismic forces in a wide range of buildings constructed with cold-formed steel framing.

~~AISI S213-07 w/S1-09~~

*Page 34/37*

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American Iron and Steel  
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~~AISI MANUAL COLD  
FORMED STEEL~~

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~~DESIGN 2002~~ Design

~~EDITION ...~~

E. American Codes -  
Steel Design per AISI  
Cold Formed Steel Code  
Provisions of the AISI  
Specification for the  
Design of Cold-Formed  
Steel Structural  
Members, 1996 Edition  
have been implemented.  
The program allows  
design of single (non-  
composite) members in

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tension, compression,  
bending, shear, as well  
as their combinations  
using the LRFD  
Method.

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