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The v15.1 Companion to the AISC Steel Construction Manual is a resource that supplements the 15th Edition Steel Construction Manual and is keyed to the 2016 Specification for Structural Steel Buildings. The v15.1 Companion is an update of the v15.0 Design Examples with the design examples and tables split into two separate volumes.. Now available in print!

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Steel Design Guide Series15 AISC Rehabilitation and Retrofit Guide A Reference for Historic Shapes and Specifications Roger L. Brockenbrough, PE R. L. Brockenbrough & Associates, Inc.

A Beginner's Guide to the Steel Construction Manual An introduction to designing steel structures using the AISC Steel Construction Manual, 13th edition. By T. Bart Quimby, P.E., Ph.D. Owner & Principal Engineer Quimby & Associates Eagle River, Alaska Professor of Civil Engineering University of Alaska Anchorage August 2008

This design guide is an update to the AISC publication Torsional Analysis of Steel Members and advances further the work upon which that publication was based: Bethlehem Steel Company's Torsion Analysis of Rolled Steel Sections (Heins and Seaburg, 1963). Coverage of shapes has been expanded and includes W-, M-, S-, and HP-Shapes, channels

The current American AISC Design Guide 27 has been published for Structural Stainless Steel, and it refers to the specification ANSI/AISC 360-16 for structural steel buildings for the shear ...

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aligned with the design provisions in the 2010 AISC Specification for Structural Steel Buildings (AISC 360)[2], hereafter referred to as the AISC Specification. The layout and contents of the tables covered in this report closely resemble those given for equivalent carbon steel

structural sections in the AISC Steel Construction Manual [3].

- AISC Steel Manual Procedure Determining Loads: 1. Estimate Dead Load acting on the beam. For an engineering project, this would be estimated based upon floor weight from the structural computer model. However, 100 psf is a good estimation to start a basic design. 2. Look up Live Load from ASCE 7-05 Table 4-1 on page 12.

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SSINA – Specialty Steel Industry of North America 3. American Institute of Steel Construction (AISC) a. AISC Design Guide No. 11, Floor Vibrations Due to Human Activity, 1997 b. AISC Design Guide No. 18, Steel-Framed Open-Deck Parking Structures, 2003 c. ANSI/AISC 360-16, Specification for Structural Steel ...

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