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Light Steel Framing Design Standards

AISI Cold-Formed Steel Framing Design Guide, Second Edition Page i. Cold-Formed Steel Framing Design Guide . Preface . This publication is intended as a guide for designers of cold-formed steel framing (CFSF) systems for buildings. CFSF products include cold-formed studs, joists, rafters, trusses and miscellaneous bracing and connection components.

Cold-Formed Steel Framing Design Guide, Second Edition

systems incorporating lightweight steel framing (LSF) members for low rise commercial and medium and high rise residential applications. It is the logical complement to the "Lightweight Steel Framing Design Manual" published in 1991 by the CSSBI as a design guide for Structural Engineers. A general description of lightweight steel framing

Lightweight Steel Framing ARCHITECTURAL

Cold-Formed Steel Design Manual . consists of six Parts. This information is supplemental to the 2001 edition of the . North American Specification for the Design of Cold -Formed Steel Structural Member. s. Each part in the . Design Manual . should be used in conjunction with the . Specification, Commentary . and the other parts, where appropriate.

AISI Manual Cold-Formed Steel Design 2002 Edition

33ksi steel. 54mil (16ga), 68mil (14ga) and 97mil (12ga) products are produced with 50ksi steel unless otherwise noted. Designation thickness (mils) Thickness (gauge) Design (in) Minimum thickness1 (in) Color code 33 20 0.0346 0.0329 White 43 18 0.0451 0.0428 Yellow 54 16 0.0566 0.0538 Green 68 14 0.0713 0.0677 Orange 97 12 0.1017 0.0966 Red

2017 technical design guide COLD-FORMED STRUCTURAL FRAMING ...

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Table of Contents - The Steel Network

A6.1 Base Steel Thickness In no case shall the minimum base steel thicknessbe less than 95% of the design thickness. A6.2 Minimum Flange Width For C-shapemembers intended to receive sheathing, the minimum flangewidth shall be 1- 1/4 inch (31.8 mm). For track, the minimum flangewidth shall be 1 inch (25.4 mm).

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6.2 Design of light steel floor joists 61 6.3 Concrete floors 67 6.4 Separating floors 69 6.5 Compartment floors 69 7 eXTerNaL aNd Load-BeariNG waLLS 73 7.1 Design for wind forces 73 7.2 Design for axial load 75 7.3 Connections78 7.4 Details of external wall construction 80

Light Steel Framing in reSidential ConStruCtion

Chapter 9 STRUCTURAL CONCEPT FOR LIGHT GAUGE STEEL FRAME SYSTEM 9.1 BACKGROUND Steel is widely used in the construction of multi-storey buildings. However, steel construction is seldom used and is traditionally considered uneconomical for landed properties. In many parts of the world, timber or structural brickwork is preferred whereas

Chapter 9 STRUCTURAL CONCEPT FOR LIGHT GAUGE STEEL FRAME ...

previously managed the ISAT cold-formed steel engineering division. Prior to ISAT, she worked at several Bay Area engineering consulting firms and developed experience in the design of multifamily residential structures, seismic upgrades of commercial buildings, and light-gage steel tenant improvements. She is a member of the SEAONC Seismology

Seismic Design of Cold-Formed Steel Lateral Load-Resisting ...

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