



Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories¹

This standard is issued under the fixed designation C 1007; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ε) indicates an editorial change since the last revision or reappraisal.

1. Scope*

1.1 This specification covers the installation and erection requirements for load bearing (transverse and axial) steel studs and related accessories 0.0329 in. (0.836 mm) to 0.1120 in. (2.845 mm) thick.

1.2 Values stated in inch-pound units are to be regarded as the standard. The SI (metric) values given in parentheses are approximate and are provided for information purposes only.

1.3 The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

2. Referenced Documents

2.1 ASTM Standards:²

C 11 Terminology Relating to Gypsum and Related Building Materials and Systems

C 841 Specification for Installation of Interior Lathing and Furring

C 954 Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness

C 955 Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Track), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases

C 1063 Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster

2.2 *American Iron and Steel Institute Publication (AISI):*
Cold-Formed Steel Design Manual: Specifications for the Design of Cold-Formed Steel Structural Members,

1986 Revision and 1989 addendum³

2.3 *American Welding Society Documents (AWS):*

D1.3 Specification for Welding Sheet Steel in Structures⁴

2.4 *Military Specification:*

MIL-P-21035 Paint, High Zinc Dust Content, Galvanizing Repair⁵

2.5 *Federal Specification:*

FF-P-395 Pin, Drive, Guided and Pin Drive, Power Actuated Fasteners for Power Actuated and Hand Actuated Fastening Tools⁵

3. Terminology

3.1 Definitions shall be in accordance with Terminology C 11.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *axial loads, n*—those loads applied to a member in the same plane as its major centroidal axis.

3.2.2 *cripple studs, n*—less than full height studs above a header or below a sill.

3.2.3 *framing members, n*—studs joist, runners (tracks), bridging and bracing and related accessories.

3.2.4 *header, n*—the stud assembly or the track assembly, or both, placed at a right angle to supporting studs that creates the top of a framed opening.

3.2.5 *jack stud, n*—a framing member which provides support at the end of a header.

3.2.6 *panelized construction, n*—fabrication of framing members into an assembly prior to erection.

3.2.7 *sill, n*—the stud assembly or the track assembly, or both, placed at a right angle to supporting studs that creates the bottom of a framed opening.

3.2.8 *transverse loads, n*—those loads applied to a member in a plane perpendicular to its major centroidal axis.

4. Storage of Materials

4.1 Products shall be protected from adverse weather and job site conditions that will cause any physical damage.

¹ This specification is under the jurisdiction of ASTM Committee C11 on Gypsum and Related Building Materials and Systems and is the direct responsibility of Subcommittee C11.03 on Specifications for Application of Gypsum and Other Products in Assemblies.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from American Iron and Steel Institute (AISI), 1101 17th St., NW, Suite 1300, Washington, DC 20036.

⁴ Available from The American Welding Society (AWS), 550 NW LeJeune Rd., Miami, FL 33126.

⁵ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.