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AISI PUBLISHES TWO NEW S900-SERIES TEST STANDARDS

WASHINGTON, D.C. – The American Iron and Steel Institute (AISI) has published two new test standards in its S900-series. These test standards have been approved by the American National Standards Institute (ANSI) as the American National Standards and are available for downloading free of charge at www.aisistandards.org.

The test standards include:

- **AISI S917-17, Test Standard for Determining the Fastener-Sheathing Local Translational Stiffness of Sheathed Cold-Formed Steel Assemblies, 2017 Edition** – This new standard provides a method for determining the local translational stiffness supplied by sheathing, fastened to cold-formed steel members. The test method can be used for wall studs braced solely by sheathing to experimentally determine the lateral bracing restraint developed at the fastener-sheathing connection. It may be extended to purlins, girts, joists or any cold-formed steel member in which restraint is provided, in part, by the localized translational stiffness that develops at the connection between a cold-formed steel member and sheathing, such as steel panels, plywood, gypsum board, etc.
- **AISI S918-17, Test Standard for Determining the Fastener-Sheathing Rotational Stiffness of Sheathed Cold-Formed Steel Assemblies, 2017 Edition** - AISI S918 is a new test standard that provides a method for determining the rotational restraint supplied by sheathing, fastened to cold-formed steel members. When a cold-formed steel member is connected to sheathing, the sheathing can provide beneficial rotational restraint of the member, such as a stud, joist, etc. One direct mechanism for developing such rotational restraint is a combination of bearing

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between the flange and sheathing, and pull-through resistance at a fastener location, as the member rotates. This mechanical combination may be idealized as a rotational restraint at the fastener location. The rotational restraint provides the primary bracing restraint against distortional buckling.

AISI test standards are updated every five years and facilitate research and development leading to improved state-of-the-art solutions in steel for the construction market. They are often referenced in industry acceptance criteria, and lead the way in establishing the performance characteristics of unique products and applications.

AISI's codes and standards work is conducted under the Construction Market Council of the Steel Market Development Institute (SMDI), a business unit of AISI, which oversees the industry's investment in advancing the competitive use of steel by meeting the demands of the marketplace. For more information on SMDI's Construction Market program, visit www.smdisteel.org or www.buildusingsteel.org. Follow SMDI Construction on [Facebook](#) or [Twitter](#) (@BuildUsingSteel).

AISI serves as the voice of the North American steel industry in the public policy arena and advances the case for steel in the marketplace as the preferred material of choice. AISI also plays a lead role in the development and application of new steels and steelmaking technology. AISI is comprised of 19 member companies, including integrated and electric furnace steelmakers, and approximately 125 associate members who are suppliers to or customers of the steel industry. For more news about steel and its applications, view AISI's website at www.steel.org. Follow AISI on [Facebook](#) or [Twitter](#) (@AISISSteel).

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