



CFSEI
COLD-FORMED STEEL
ENGINEERS INSTITUTE

FOR IMMEDIATE RELEASE

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CFSEI UPDATES TECHNICAL NOTE ON WELDING COLD-FORMED STEEL
Revised Document Replaces Tech Note F140-10

WASHINGTON, D.C. — The Cold-Formed Steel Engineers Institute (CFSEI) has updated “Welding Cold-Formed Steel” (Technical Note F140-16). In cold-formed steel construction, welding may be the preferred joining method for roof trusses, panelization of walls, and hardware connections. This Tech Note provides information on the applicable codes, processes, procedures, design considerations, fabrication and inspection involved in welding cold-formed steel members and hardware components. It replaces Tech Note F140-10.

Tech Note F140-16 introduces common welds and their uses; covers welding processes such as shielded metal arc welding (SMAW), flux cored arc welding (FCAW), submerged arc welding (SAW), gas metal arc welding (GMAW), and gas tungsten arc welding (GTAW); discusses fabrication; provides information on design considerations for arc seam, fillet, flare groove, groove, arc spot and arc plug welds; and summarizes safe practices.

Tech Note F140-16 was updated by Roger LaBoube, Ph.D., P.E., Curator’s Teaching Professor Emeritus of Civil Engineering and Director of the Wei-Wen Yu Center for Cold-Formed Steel Structures at the Missouri University of Science and Technology. Dr. LaBoube is coauthor of the original Tech Note on this topic with R. Scott Funderburk.

Dr. LaBoube has an extensive background in the design and behavior of cold-formed steel structures including cold-formed steel beams, panels, trusses, headers and wall studs, as well as

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bolt, weld and screw connections. He is a member of the American Iron and Steel Institute's Committee on Specifications and the Committee on Framing Standards. He is a Registered Professional Engineer in Missouri.

This Technical Note is the latest in CFSEI's continuing series of instructional documents on topics related to cold-formed steel framing for commercial and residential construction. CFSEI Technical Notes are available free of charge to CFSEI members at www.cfsei.org. Non-members can purchase them at the AISI Steel Store. For more information on joining CFSEI, visit www.cfsei.org.

CFSEI maintains a Steel Framing Hotline to answer inquiries from construction professionals seeking cold-formed steel solutions for their projects. Suggestions for additional Technical Note topics are welcomed. The Steel Framing Hotline is accessible at 1-800-79-STEEL.

The Cold-Formed Steel Engineers Institute comprises hundreds of structural engineers and other design professionals who are finding a better way to produce safe and efficient designs for commercial and residential structures with cold-formed steel. CFSEI members work together to develop and evolve industry standards and design methods, produce and issue technical bulletins, and provide seminars and online training to improve the knowledge and skills base of engineers and design professionals. For more information, visit www.cfsei.org.

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