

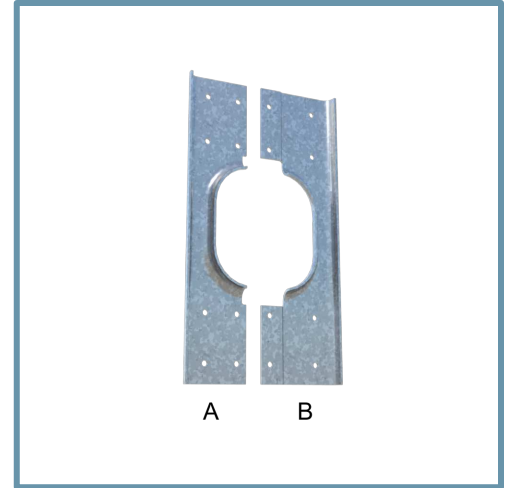
MEP Gusset Plate (MEP3)

54mils (16ga) Plate for use with 15mil to 97 mil framing members

The MEP Gusset Plate is designed to provide strength and stiffness to framing members that are modified or field cut at the job site with oversized cutouts on the web of the member. The two-piece design allows the plate to be attached after MEP components have been installed. Restores structural integrity of steel framing with field modified openings. Not for use when flange is cut out.

Product Data & Ordering Information:

Material:	Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)
Coating:	G90 (Z275) / CP90 hot-dipped galvanized coating
Thickness:	54mils (16ga) 0.0566" Design thickness 0.0538" Minimum thickness
Dimensions:	Two piece 3-1/2" x 8" with 1/4" overlap when assembled
Packaging:	25 gusset plate sets per box (A & B)



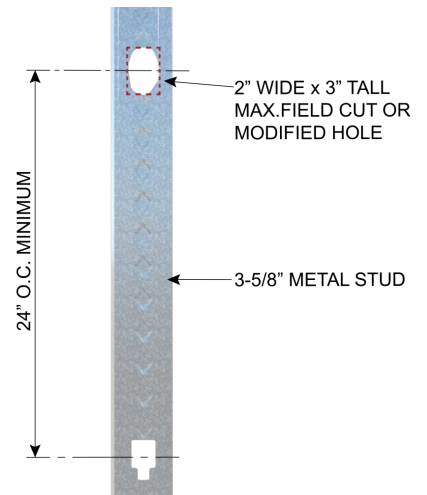
Code Approvals & Performance Standards

- [AISI S100-16 \(2020\) w/S2-20](#) North American Specification for the Design of Cold-Formed Steel Structural Members
- [AISI S220-20](#) North American Standard for Cold-Formed Steel Framing - Nonstructural Members
 - Section C Installation - (C2.1 for web holes)
- [AISI S240-20](#) North American Standard for Cold-Formed Steel Structural Framing
 - (Compliant to ASTM C955, but IBC replaced with AISI S200 in IBC 2015, AISI S240 in IBC 2018)
 - Section A3 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
 - Section A4 Corrosion Protection (Referencing ASTM A653/A653M)
 - Section C Installation - (C2.1 for web holes)
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories

Installation

Installing the ClarkDietrich MEP Gusset Plate in accordance with the following guidelines will return the stud member to its original flexural strength, shear strength, and stiffness.

- The dimensions of the field cut hole shall be no greater than 2" wide by 3" tall for 3-5/8" framing members..
- Field cut holes shall be made with a plasma cutter or saw. Torch-cut holes are not permitted.
- The steel around the hole shall not be damaged or distorted.
- A total of (12) #10-16 screws shall be used at each hole repair location as shown.
- This product cannot be used when framing member's flange is notched.
- Minimum stud web hole spacing shall be maintained for compliance with AISI S100, S220 & S240 standards.
- The axial capacity and web crippling capacity of the stud member shall be considered separately. It is the responsibility of the design professional to verify that the capacity meets the requirements of the intended application.



Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).