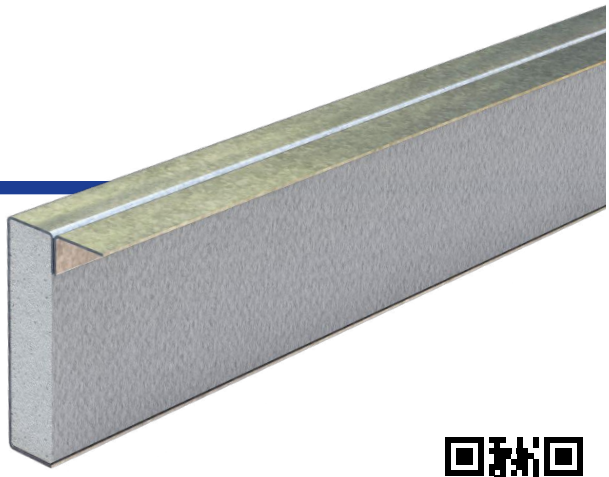
Expanding Your Solutions



FireRip®

CEMCO FireRip® is fire-rated drywall encased in a steel angle that provides unencumbered dynamic movement for high deflection joint applications.

Before installing, refer to CEMCO product literature, 3rd party published listings and approvals. These installation instructions are supplemental to the 3rd party listings and for use as such.

Note: Follow all safety guidelines and protocol for handling/cutting metal and gypsum materials.

Scan to View Installation Video

Before Installing FireRip:

Construct gypsum, or concrete/concrete block wall assembly per the respective design. Maintain the nominal joint width between floor/ceiling and wall assembly per the relevant fireresistive joint system for the size FireRip being installed.

Installation Guidelines:

Measure FireRip to length and "mark" cut line. Using a square, draw a line across both legs of FireRip **(Figures 1 & 2).**

Using a diamond or abrasive metal cutting blade, cut to length **(Figure 3).**

Deburr cut edges with a metal file. (See additional details below for FireRip joints at outside and inside corners **(Figure 4).**

Position FireRip so that the gypsum encased leg is tight to the face of the wall assembly. Provide pressure to compress the mounting leg to form a 90 degree angle between the FireRip and face of the wall or adjoining floor/ceiling assembly **(Figure 5).**

Use min. 1-1/4" steel fastener (concrete screw anchor, direct fastening, sheet metal screw) to attach FireRip to the underside of the adjoining floor/ceiling or roof assembly **(Figure 6).** Min. 1" diameter steel washer recommended for use with direct fastening method. Fastener of choice to be installed per manufacturer's recommended method to unsure fastener "standoff" is not overdriven or underdriven. Maintain fastener edge distance per the anchor manufacturer's guidelines. Fastener and butt joint spacing to be as described in the applicable UL fire-resistive joint system.

Note: Butt joints between segments tightly joined so that gaps do not occur. Seal joints per the applicable UL Listing using 1/4" bead of UL Listed firestop sealant or layer of tape and joint compound.

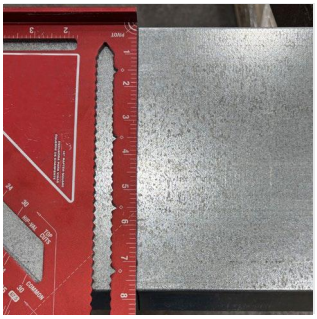


Figure 1

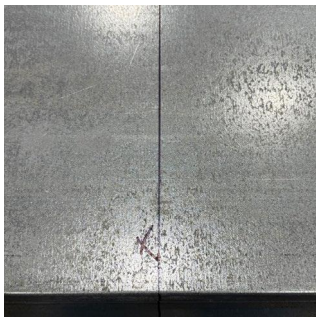


Figure 2

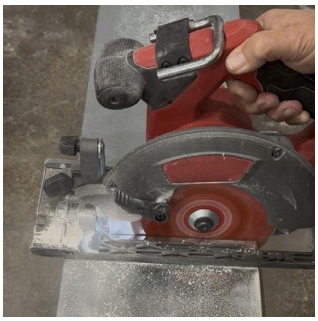


Figure 3

Figure 4

Figure 5

Figure 6

Outside Corners

Option #1:

(Recommended) – miter cut FireRip so that the corners form connection with no gaps **(Figure 1 & 2).** Joint to be tight and sealed as described in the UL Listing. *Secure as described in "Figures 5 & 6 on page 1."*

Option #2:

Cut 1st piece square so that it's length extends 11/16" beyond face of intersecting wall. Cut 2nd piece square so that it joins without gaps to the back of 1st piece **(Figure 3 & 4).** Joint to be tight and sealed as described in the UL Listing. *Secure as described in "Figures 5 & 6 on page 1."*

Option #1:

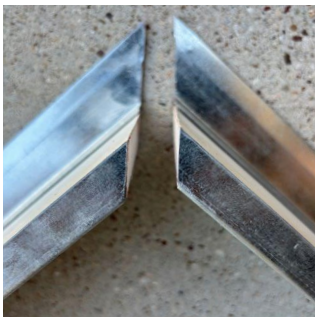


Figure 1

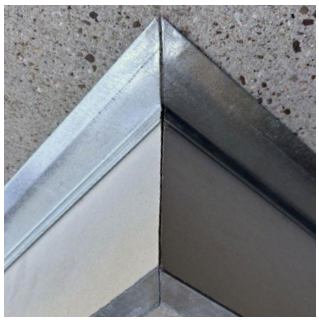


Figure 2

Option #2:

Figure 3

Figure 4

Inside Corners

Cut end of first piece square to fit tight against the face of intersecting wall. *Secure as described in "Figure 5 & 6 on page 1."*

Cut end of second piece square.

Mark notch to be cut our of mounting flange **(Figure 1).** Notch the mounting flange so that when installed, it does not overlap first piece and it installs tight to the underside of the floor/ceiling assembly **(Figure 2).** A maximum 1/8" gap allowed between intersecting mounting flanges when properly installed **(Figure 3).** *Secure as described in "Figure 5 & 6 on page 1."*

Note: Butt joints between FireRip segments to be tight and sealed as described in the respective UL Listing.

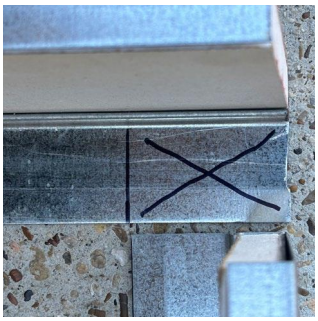


Figure 1

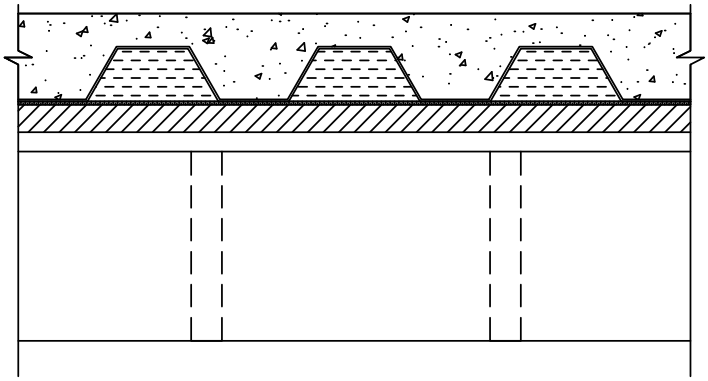
Figure 2

Figure 3

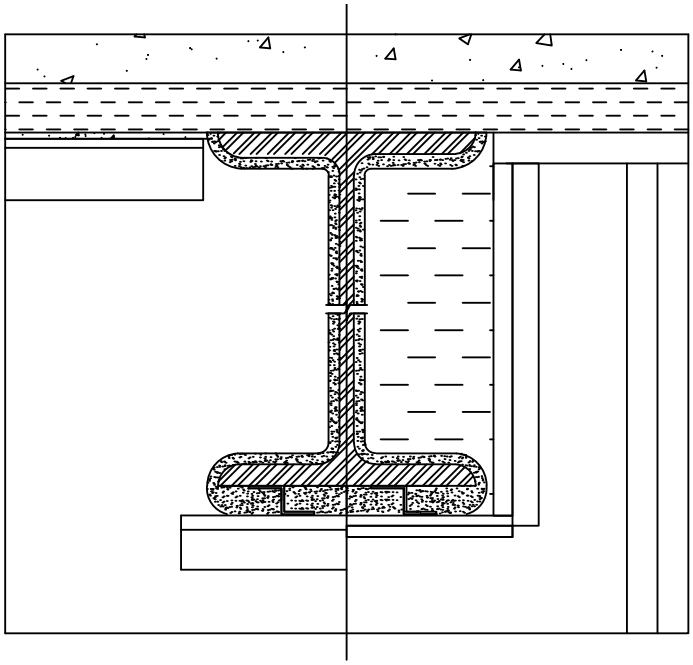
Fluted Metal Deck / Steel Beam

Note: When installing FireRip to the underside of a fluted metal deck floor/ceiling assembly, under or parallel to a steel beam/bar joist, additional steps are required. Please refer to the appropriate UL Listed system for specific details for each condition.

Standard Wall to Fluted Metal Deck:



Structural Member Through the Wall:



Steel Beam Parallel to Wall: