

CFSD Series

**1 Hour Corridor Ceiling Fire Smoke Dampers
Metal Stud Framing for Fire Dampers in Tunnel Corridor
Shaftwall Ceilings**

Refer to:
'Installation Instructions for CFSD Series
Corridor Ceiling Dampers' (Part #461335) for
additional details.



"UL CLASSIFIED (see complete marking on product)"
"UL CLASSIFIED to Canadian safety standards (see complete marking on product)"
Standard 555, 555S (Listing #R13317)

Notes

- Gypsum panels must be screwed 12 in. (305mm) O.C. (on center) maximum to all stud and runner flanges surrounding opening with 1 5/8 in. (41mm) drywall screws or fasteners designated by the appropriate corridor ceiling design. (See **Figure 1** for Opening Preparation Details).
- Retaining angles must be attached to the sleeve (not the partition). (See Figure 2 and 3.)
 - Retaining angles must be a minimum of 20 gauge (1mm) steel and have a minimum of 1 1/2 in. x 1 1/4 in. (38mm x 32mm) legs.
 - Retaining angles must be attached to the sleeve using one of the methods shown below.
 - tack or spot welds
 - #10 sheet metal screws
 - 1/4 in. x 20 bolts and nuts
 - 3/16 in. (4.7mm) steel rivets
 - Quick-Lock Joints
 - A minimum of two connections per side, top, and bottom (12 in. [305mm] on center maximum).
 - Retaining angles must overlap the partition a minimum of 1 in. (25mm)
 - A minimum 3/4 in. x 20 gauge (19mm x 1mm) flange termination may be used in lieu of retaining angles on the corridor side of the damper sleeve.

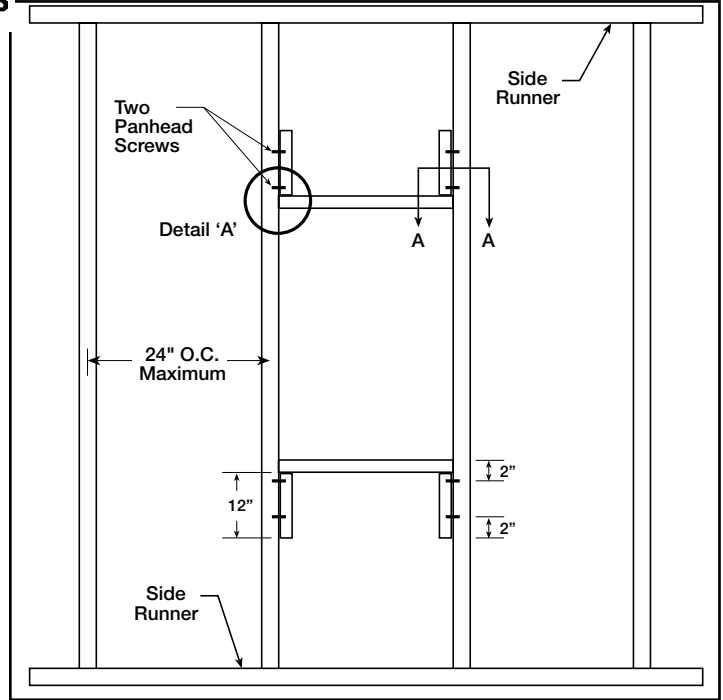
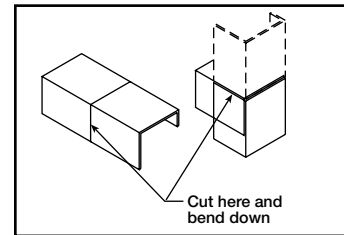


Figure #1: Opening Preparation Detail (top view)



Detail 'A': Forming Channel

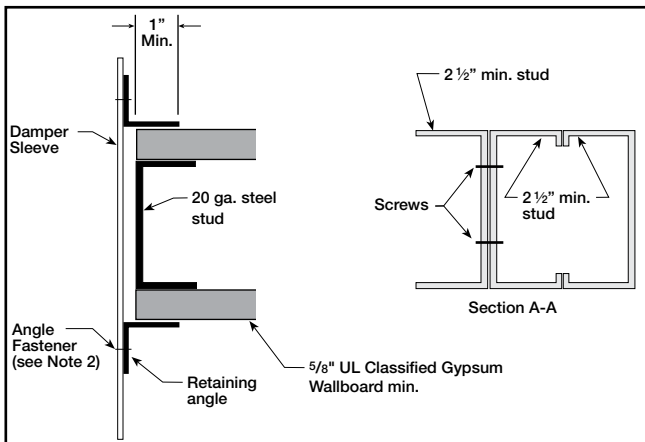


Figure #2: 1 Hour Shaftwall Rating ('C' Channel)

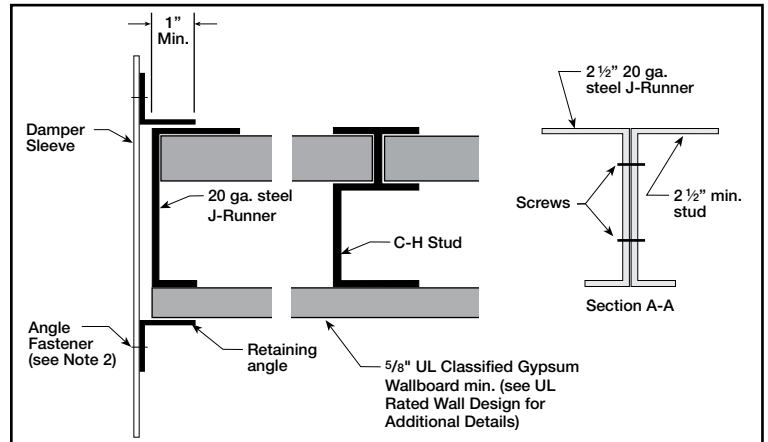


Figure #3: 1 Hour Shaftwall Rating ('C-H' Channel)