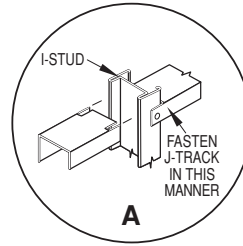
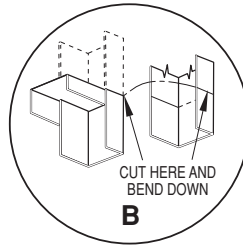


1-1/2" x 1-1/2" x 2"  
(38 x 38 x 51) Min.  
Angle Screw Attached with  
5/8" (16) Type S-12 (Min.) Screw

**Opening Preparation Detail**



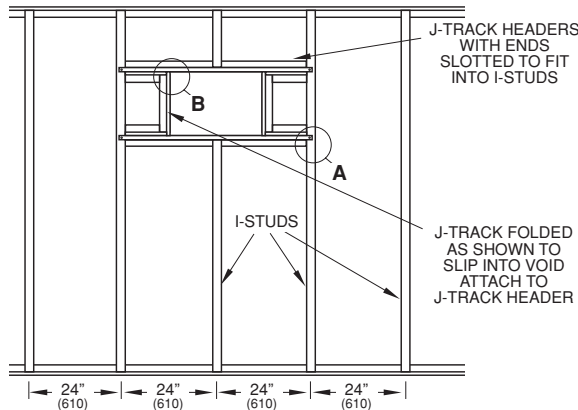
**A**



**B**

CLASSIFIED SEE DETAILS ON UL CLASSIFIED  
CLASSIFICATION MARKING ON ENCLOSED PRODUCT

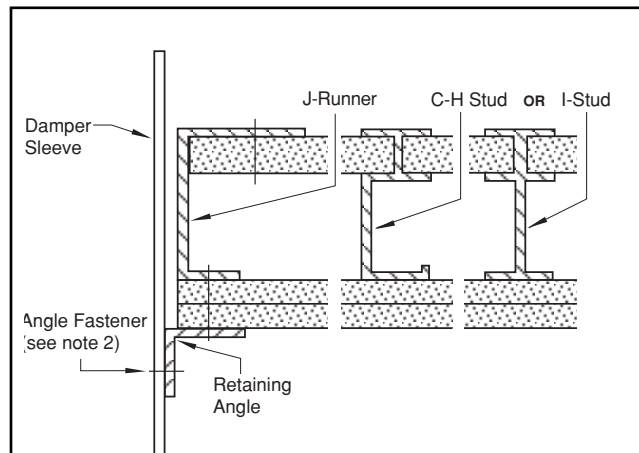
TESTED PER U.L. 555



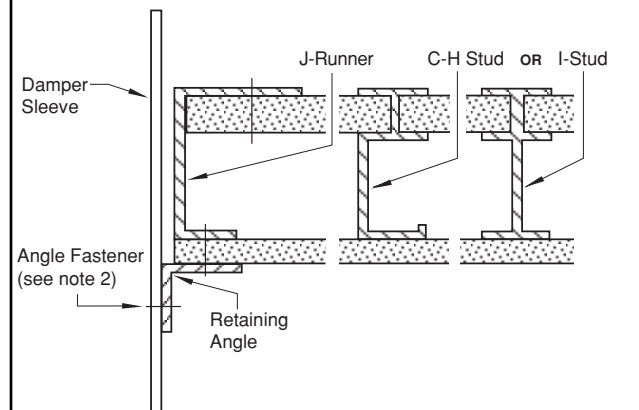
**Optional Opening Preparation Detail for I-Stub Assembly**

**NOTES**

- Gypsum panels must be screwed 12" (305) O.C. maximum to all stud and runner flanges surrounding opening.
- Mounting angles shall be a minimum of 3/4" x 1-1/2" tall x 20 gauge (19 x 38 x 1.0). For opening sizes ≤ 80" x 48" (2032 x 1219) or 40" x 96" (1016 x 2438) retaining angles are only required on one side of the partition and must be attached to the sleeve and the partition. For larger openings (or optional on smaller openings), 1-1/2" x 1-1/2" x 16 gauge (38 x 38 x 1.5). retaining angles are required on both sides of the partition and must be attached to the sleeve. Attachment to the sleeve shall be with No. 10 (M5) screws or bolts, 3/16" (4.8) diameter steel rivets, Quick-Lock joints or welds, at 12" (305) o.c. maximum. Attachment to partition/opening shall be with min. #10 fasteners with a minimum length as follows: For metal stud and the angles under the drywall, the fasteners must be a min. 1/2" long. For metal stud and the angles over the drywall the fastener must be a min. 1/2" longer than the thickness of the drywall. i.e. if the partition has one layer of 5/8" drywall on the attachment side, the screws must be 1/2" + 5/8" = 1-1/8" long. The fasteners in the partition should be located such that they are 1/2" below the top of the 1-1/2" flange of the retaining angles. Fasteners in the partition should be spaced 12" o.c. max. A minimum of two connections per side, top and bottom. A minimum 3/4" x 20 gauge (19 x 1) flange termination may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions and Framing for Fire Dampers for further details. Ensure that attachment device does not interfere with the operation of the damper and the free movement of the damper blades.
- See standard damper installation instruction sheets for additional details.



**Wall with Two Layers of Drywall**



**Wall with Single Layer of Drywall**