

NOTE: This is an installation *supplement*. Please refer to the original IOM for all applicable products before using this document.



APPLICATION:

Factory supplied sleeves may need to be modified in the field to meet applicable codes and standards. This supplemental installation instruction provides details for the trimming of a factory installed sleeve as well as the attachment of a sleeve extension.

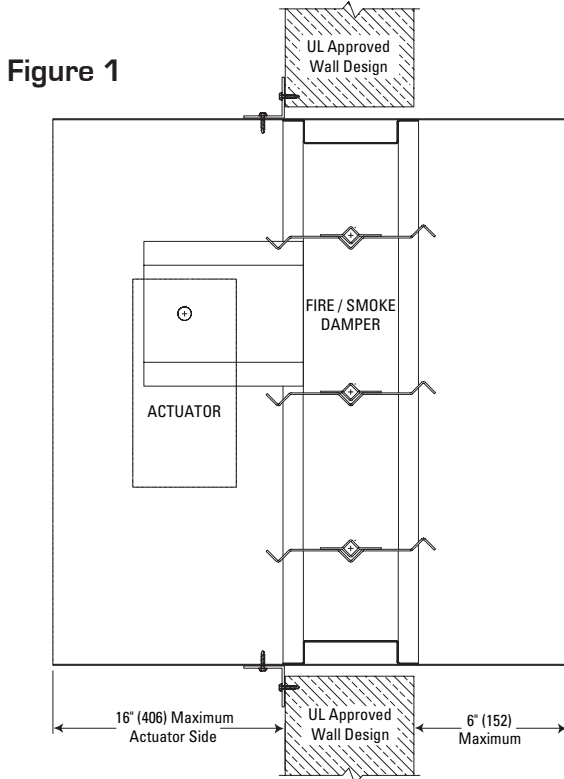
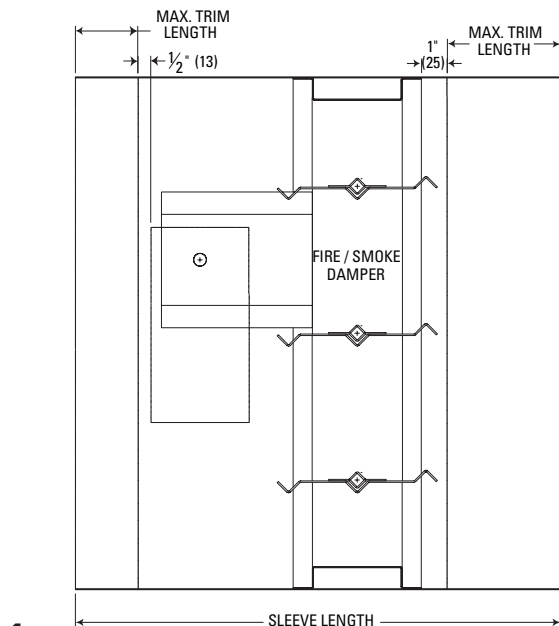


Figure 2 Combination Fire/Smoke Damper



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TRIMMING A DAMPER:

Factory supplied sleeves may need to be modified in the field to accommodate field conditions. Other damper components such as actuators and fuse links should not be altered. This supplemental installation instruction provides details on how and what can be trimmed on CVS fire and fire/smoke dampers.

TRIMMING NOTES:

1. The damper sleeve should not extend more than 6" (152mm) beyond the rated barrier on the non-actuator side (see Figure 1).
2. The damper sleeve should not extend more than 16" (406mm) beyond the rated barrier on the actuator side (see Figure 1).
3. Refer to Figure 2 for the available "Trim" section on a Combination Fire/Smoke Damper.
4. Refer to Figure 3 for the available "Trim" section on a Fire Damper.

Figure 3 Fire Damper

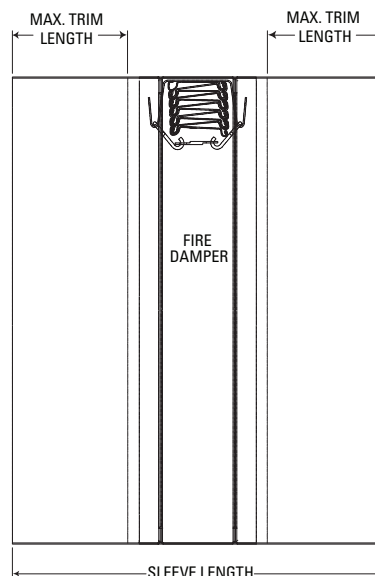
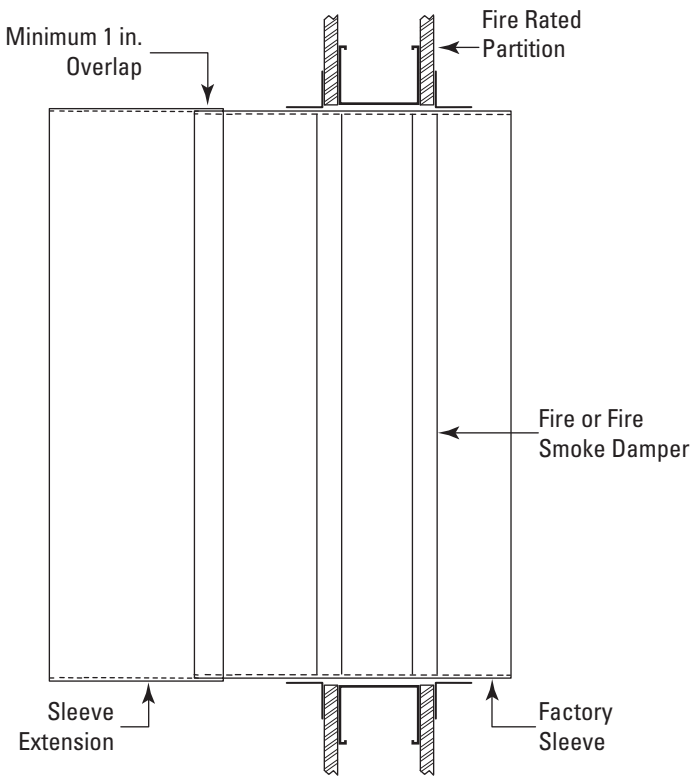


Figure 4



CREATING AN EXTENSION FOR A DAMPER:

Factory supplied sleeves may need extensions in the field to accommodate field conditions. This supplemental installation instruction provides details for attachment of a sleeve extension. Figure 4 shows a factory installed sleeve that extends through a fire rated barrier. Figure 5 shows a factory installed sleeve that does not extend through a fire rated barrier.

EXTENSION NOTES:

1. The sleeve extension must be the same material as the factory sleeve and a minimum of the same thickness.
2. The inside dimensions of the sleeve extension must be the same dimension of the outside dimension of the factory sleeve.
3. The sleeve extension must overlap the factory sleeve at least 1" (25mm) (see Figure 1).
4. All four sides of the sleeve extension must be attached to the factory damper sleeve per the following guidelines:
 - A. Attachments must be spaced a maximum of 6" (152mm) on center and a minimum of 2" (51mm) from the corners.
 - B. Minimum of 2 approved attachments per side (8 per damper)
 - C. Must use the following approved fasteners:
 - Tack or spot welds
 - #10 Sheet metal screws
 - 1/4" (6mm) bolts and nuts
 - 3/16" (5mm) steel pop rivets
5. Products with a smoke rating (CVS models FSD) require that the joint between the two sleeves be sealed with a continuous bead of approved construction sealant (see Optional Sealing of Dampers in Fire and Smoke Rated Walls or Floors IIS).
6. Sleeve extensions can be made for either end of the factory made sleeve. The extended factory sleeve must not extend more than 16" (406mm) beyond the wall on the actuator side and not more than 6" (152mm) on the non-actuator side.
7. The joint at which both sleeves are joined shall be outside the fire rated barrier (see Figure 5).

Figure 5

