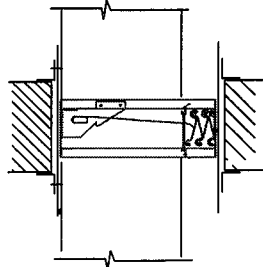
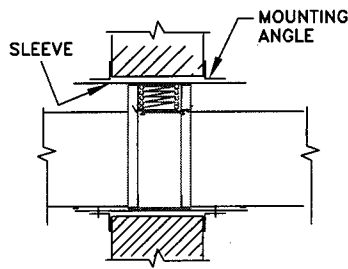
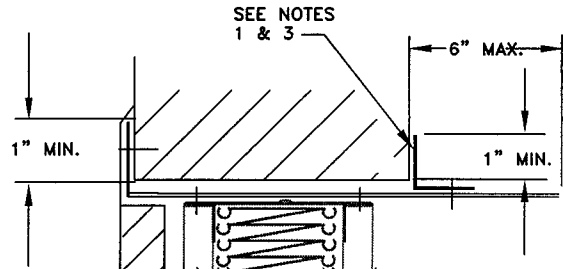


DAMPER INSTALLATION INSTRUCTIONS



TYPE "B"



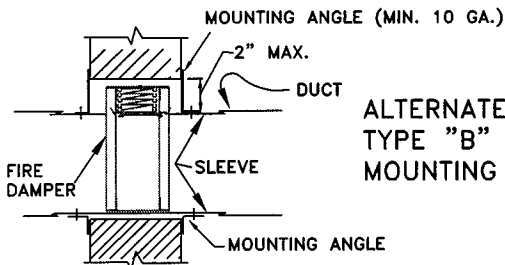
SEE NOTES
1 & 3

6" MAX.

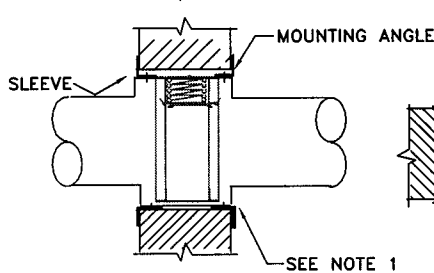
1" MIN.

1" MIN.

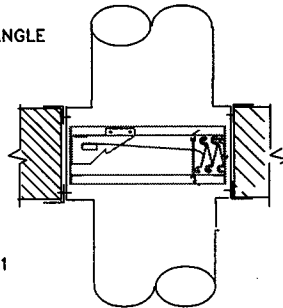
GRILLE TO BE A
MINIMUM 26 GAUGE
STEEL OR .025" THICK
ALUMINUM



ALTERNATE
TYPE "B"
MOUNTING



TYPE "CR"



TYPE "C"

The factory supplied 22 GA. collar to 18 GA cap connection on type "C", "CR" dampers is a breakaway connection under the following conditions:

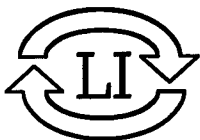
1. Round unit duct diameters are no larger than 52"
2. Oval duct sizes are no larger than 58" W x 29"H.
3. Duct gauges shall conform to the SMACNA or ASHRAE duct standard.
4. Duct diameters of 22 inches (559 mm) and smaller shall have three (3) No. 10 (4.8 mm) diameter sheet metal screws evenly spaced around the circumference of the duct.
5. Duct diameters greater than 22 inches and up shall have five (5) sheet metal screws evenly spaced around the circumference of the duct.
6. Dampers outside of these restrictions (ie) multiple dampers and special size and application dampers must use a 4" wide drawband connection as shown in the SMACNA Fire, Smoke, and Radiation Damper Installation Guide.

DAMPER BEHIND A GRILLE

1. Perimeter mounting angles to be a minimum of 1-1/2 x 1-1/2 x 16 GA on dampers 36 x 50 and smaller. For dampers greater than 36 x 50, angles to be a minimum of 1-1/2 x 1-1/2 x 14 GA.
2. Grille to flange fasteners cannot penetrate fire wall (see note 4).
3. Secure angles to sleeve only, so as to frame the wall opening. Fasten to the sleeve only using the same means as required for fastening the damper to the sleeve.
4. Grille to flange attachment by means of 1/4" dia. pop rivets, #8 sheet metal screws or #8 bolts and nuts. Fasteners to be plated steel or stainless steel, minimum two fasteners per side.



CLLOYD-52-REV-C



LLOYD INDUSTRIES INC.

231 COMMERCE DRIVE
MONTGOMERYVILLE, PA. 18936
TEL: 215-412-4445
FAX: 215-412-4409
EMAIL: LLOYDIND@FIREDDAMPER.COM

5858 BROADWAY AVE.
JACKSONVILLE, FL. 32254
TEL: 904-378-8440
FAX: 904-378-8441
EMAIL: LLOYDINDI@BELLSOUTH.NET

WEB SITE: FIREDDAMPER.COM