Installation Instruction Supplement for
Fire Dampers and Combination Fire/Smoke Dampers

Application
Horizontal installation of FD and FSD models in concrete floors utilizing a steel deck. The hole opening made, through the concrete floor may not allow the bottom angle to be placed against the steel deck on an even plane. This installation details how to properly install the required retaining angles next to the steel deck.

For single side retaining angle installations refer to Single Side Retaining Angle Installation Instructions Supplement.

Notes for Two-Side Retaining Angle Installations
1. Legs on angles may be reversed such that one leg is inserted into the floor opening provided the required clearance is maintained between angle leg fasteners and the floor opening.
2. Installation of the bottom retaining angle against the uneven steel deck shall be done such that the angles on each side of the sleeve may be in different planes relative to each other (see figure 1 and 2).
3. When viewed from end of sleeves, the angles must overlap each other in the corners such that no sight-through is possible. (see figure 2).

Figure 1: Damper installed in concrete floor with steel deck

Figure 2: Retaining Angle Installation

Arlan Damper Corporation
1598 Lakeland Avenue, Bohemia, N.Y. 11716 (631)589-7431 (631)589-7558 email: info@arlandamperl.com website: www.ArlanDamper.com