These instructions provide details for an alternate breakaway connection between a fire damper or combination fire smoke damper sleeve and an adjoining duct. This alternate connection is classified with U.L. under the certification of the damper. These instructions apply to a connection using a manufactured add-on flange system by Ductmate, Ward, or Nexus and a TDC or TDF roll-formed flange system. These connections allow for both the use of the same flange type or the combining of mixed flange types. The following instructions depict the use of metal-



combining of mixed flange types. The following instructions depict the use of metal or plastic cleats and bolted or nonbolted corners:

- 1. Install the manufactured flange system onto the damper sleeve or duct per the manufacturer's instructions.
- 2. To seal the two flange systems together, Neoprene or Butyl gasketing may be applied between the mating surfaces.
- 3. Align the two flange systems together. An optional 3/8" (9) bolt may be used in the corners to help with the alignment. These bolts do not have to be removed.
- 4. Install the cleat or #10 tek screw approximately equally spaced, per the following schedule:
 - Width or height less than 24" (610); use one cleat or screw per side
 - Width or height 24" (610) to less than 36" (914); use 2 cleats or screws per side
 - Width or height 36" (914) to less than 54" (1372); use 3 cleats or screws per side
 - Width or height 54" (1372) to less than 72" (1829); use 4 cleats or screws per side
 - Width or height 72" (1829) or greater; use 5 cleats or screws per side

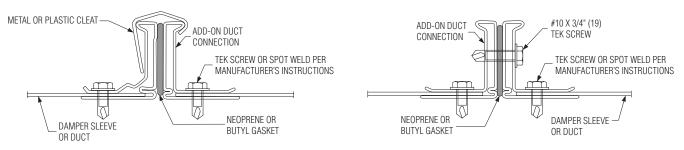


FIGURE 1. ADD-ON/ADD-ON

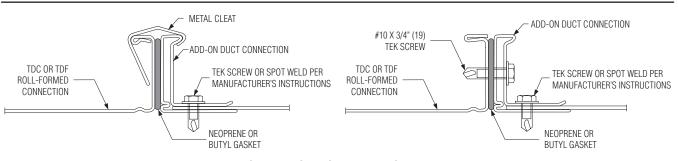


FIGURE 2. ROLL-FORMED/ADD-ON

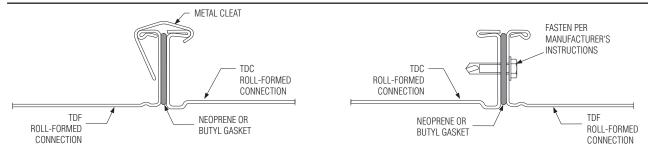


FIGURE 3. ROLL-FORMED/ROLL-FORMED

Dimensions are in inches (mm).



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