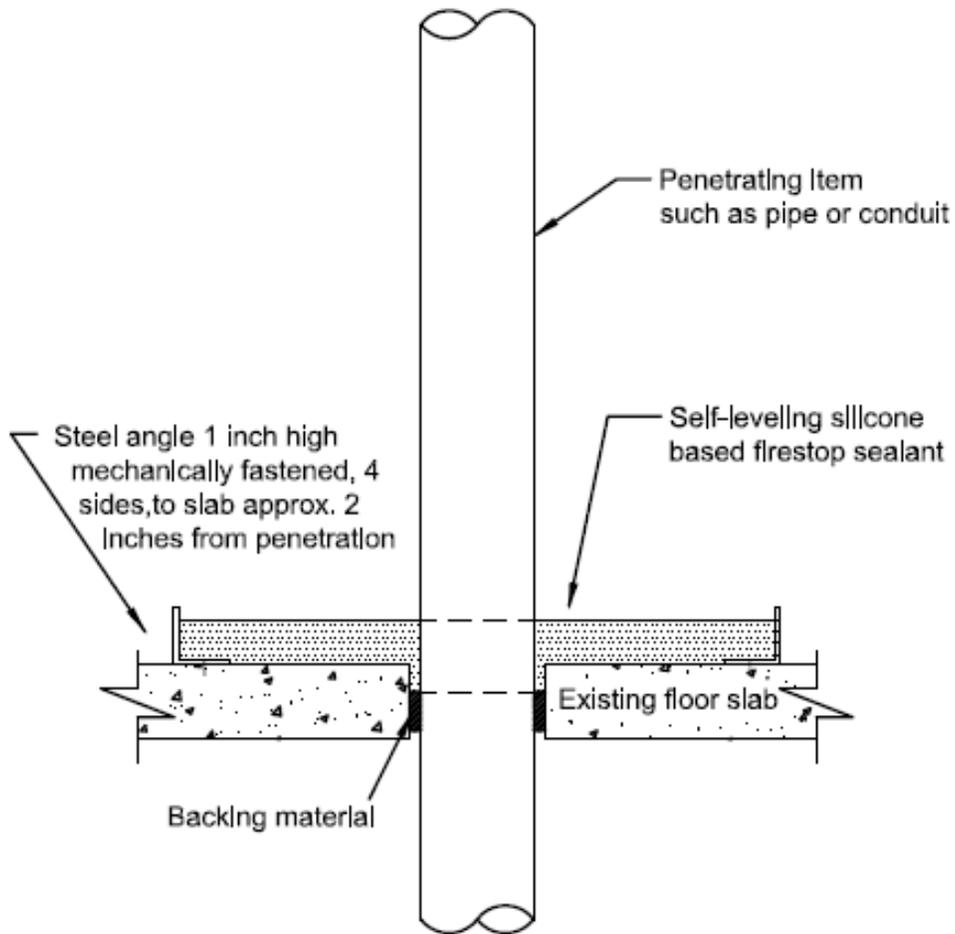


078400S02 FIRESTOPPING – Mechanical Room Floor Penetrations

The following standard applies to all added floor penetrations in any existing mechanical room, electrical room or penthouse mechanical area above slab level in all facilities maintained by the University of Kentucky. Affected penetrations include, but are not limited to, the following: conduit, pipes, and ductwork. For new facilities, housekeeping curbs should be constructed during the initial building construction which would eliminate the need for this standard.

- 1.0 All penetrations must be fire stopped per the applicable NFPA (National Fire Protection Association) and State of Kentucky Building Codes with the appropriate UL listed fire stop assembly being utilized. The UL listing documentation must be available for the installed assembly upon request by the inspecting authority or by the University representative.
- 2.0 In addition to the required fire stopping outlined in section 1.0 above, all penetrations are to be protected by materials meeting an UL Tested Class 1 W-rating to restrict the flow of water.
- 3.0 For pipes and conduits, a curb is to be installed around the opening with a self leveling, single-component, silicone-based firestop sealant used in the slab and the curb. The installation is to consist of a steel angle mechanically fastened to the floor to create a curb with the firestop sealant installed in the curb and slab sealing up to the penetrating item. The sealant is to be white in color. See drawing 1 below for better clarification.
- 4.0 For ductwork, a curb is to be installed around the opening with a self leveling, single-component, silicone-based firestop sealant used in the slab and the curb. The installation is to consist of a steel angle mechanically fastened to the floor to create a curb with the firestop sealant installed in the curb and slab sealing up to the duct. A fire damper angle would not be installed on the top side of the installation but could be installed on the bottom side of the opening. The sealant is to be white in color. See drawing 2 below for better clarification.

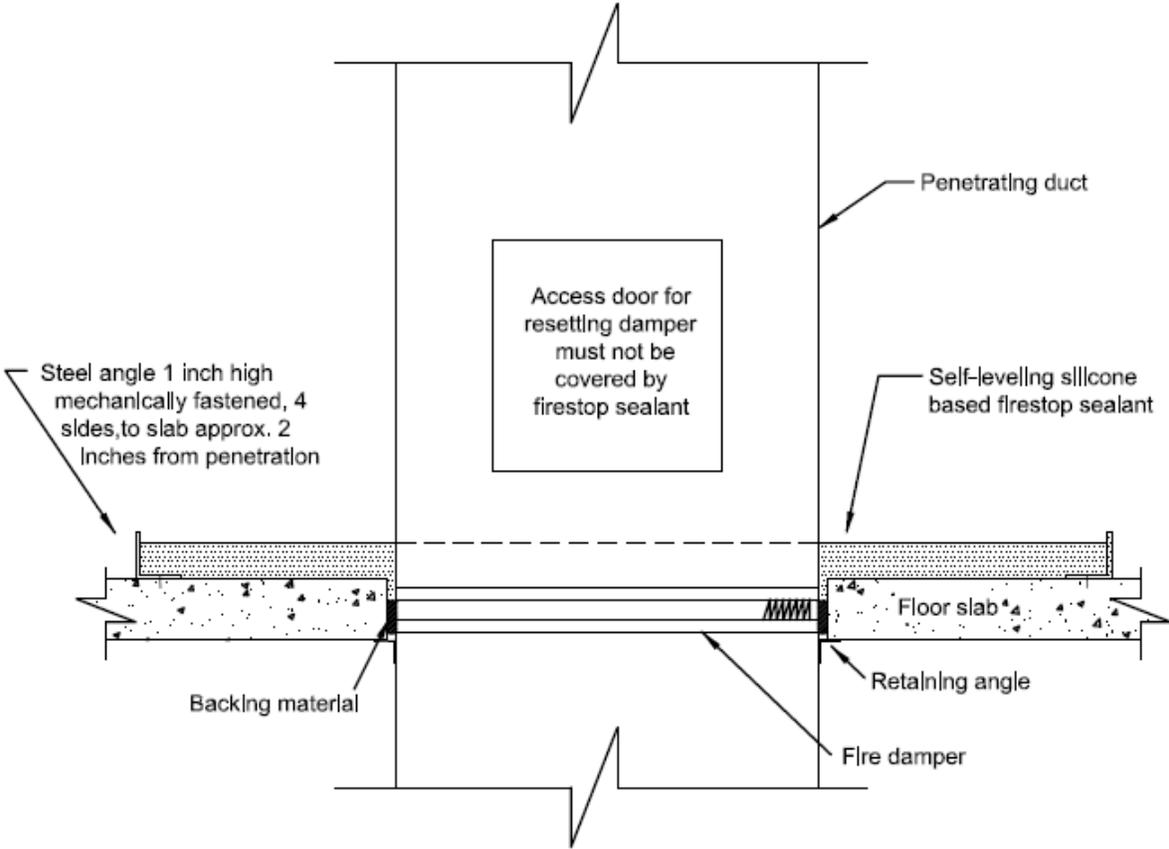
078400S02 FIRESTOPPING – Mechanical Room Floor Penetrations



Drawing 1 - Pipe and Conduit Penetrations

Not to Scale

078400S02 FIRESTOPPING – Mechanical Room Floor Penetrations



Drawing 2 - Ductwork Penetrations
Not to Scale