

What is a FIRESTOP?

- ❖ A Firestop is a fire protection system made of various components used to seal an opening or a joint in a fire-resistance rated wall or floor assembly.
- ❖ Types of Firestop Assemblies:
 - Through Penetrations
 - Membrane Penetrations
 - Joints
 - Perimeter Fire Barriers
 - Fire Rated Duct Enclosure Systems



- ❖ Firestop assemblies are integral parts of fire protection engineering. They protect building occupants from the passage of flames, deadly gases, and toxic smoke through joints, penetrations, and gaps. Firestop assemblies restore the integrity of fire rated assemblies.



Projects Requiring Special Inspections for Firestop Assemblies:

- ❖ 2012 IBC requires firestop special inspections for buildings:
 - Taller than 75 feet above the lowest level of fire department access
 - Risk Category III and IV



- ❖ 815 KAR 20:060. Quality and Weight of Materials requires firestop inspection of PVC and ABS piping in which the plumbing system exceeds 45 feet in height.
- ❖ Inspection requirements per ASTM E2174 and E2393 to ensure the firestop systems are properly installed to perform their intended function.



GEM Engineering, Inc. provides Firestop Special Inspections Services!

- ❖ GEM meets the requirements of ASTM E3038: Standard Practice for Assessing and Qualifying Candidates as Inspectors of Firestop Systems and Fire-Resistive Joint Systems.
- ❖ International Firestop Council Certified



Please contact us for more information on Firestop Inspections and other engineering, evaluation, inspection, exploration, or testing services.

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