Firestop System or Device Field Inspection Checklist

1. When inspecting the job, request manufacturer recommended installation instructions from the contractor before the inspection. The cutsheets should include a system number from an independent testing laboratory such as UL, clear illustrations and specific installation text in accordance with ASTM E-814.
2. Make sure the construction type, size or specified thickness of concrete floor, masonry wall or drywall assembly is the same as the assembly on the submitted installation cutsheets.
3. Determine that the hourly rating of the firestop assembly or device is equal to or greater than the hourly rating of the floor or wall assembly being penetrated. That information should also be found on the cutsheets.
4. Verify the penetrating items referenced on the cutsheets are the same type and size as on the jobsite. (The installation instructions on firestop systems for PVC pipe and metallic electrical conduit, although similar, are not necessarily interchangeable.)
5. Verify the size of the opening or annular space on the drawing (the distance between the penetrating item and the edge of the opening) is equal to or less than the actual opening.
6. Inspect the depth and layers of materials indicated on the cutsheet to ensure it is identical to the tested installed firestop system. A pocket knife or ruler can be used to check depths.
7. Include the manufacturer - generated drawings in the final inspection documents and report.

Firestop Glossary

Annular Space — The maximum distance, measured in a straight line, from the outside of a penetrating item to the edge of the opening.

ASTM E-814 — The Standard Test Method of Through-Penetration Firestops (also known as UL 1479 and U.B.C. Standard No. 43-6).

Fill, Void or Cavity Material — A term found in Underwriters Laboratories Fire Resistance Directory used to indicate a proprietary material installed in a specific assemblage of materials as part of a firestop system.

F Rating – A rating identifier, measured in time, that indicates the period of time that the firestop system or device has successfully prevented the passage of fire through the penetrating item.

T Rating — A rating identifier, measured in time, that indicates the period of time that the firestop system or device has successfully prevented the temperature rise on the through-penetration by more than 325 degrees F. above ambient.

For more information or technical assistance, contact:

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