Fire Stop Systems – From a Code Perspective
Firestop..Done Right?
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The Dallas Perspective
• Section 1705 Required Verification and Inspection
  • 1705.16 Fire-resistant penetrations and joints

• Section 703 Fire-resistance-rated construction
  • 703.1 Maintenance
• 1705.16.1 Penetration firestops.

• Inspections of penetration **firestop systems** that are tested and listed in accordance with Sections 714.3.1.2 and 714.4.1.2 shall be conducted by an approved inspection agency in accordance with ASTM E 2174.
• 714.3.1.2 Through-penetration firestop system.

• Through penetrations shall be protected by an approved penetration firestop system...
• 714.4.1.2 Membrane penetrations.
  • …[penetrant] shall be installed such that the required fire resistance will not be reduced.
  • 7 Exceptions allowed
• 715.3 Fire test criteria.
  • *Fire-resistant joint systems* shall be tested in accordance with the requirements of either ASTM E 1966 or UL 2079.
• Main take away…
• The use of an approved firestop system….
• 703.1 Maintenance
  • Required fire resistance rated construction shall be maintained
  • Visually inspected by the owner annually
  • Properly repaired, restored or replaced when damaged, altered, breached or penetrated
• 703.1 Maintenance (cont’d)
  • Openings made for any reason shall be protected with approved methods
  • Visual inspection of concealed elements …
- 703.1.1 Fireblocking and draftstopping
- Required fire-blocking and draft stopping in combustible concealed spaces shall be maintained...
QUESTIONS?
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