



Self-Study Reading and Video List

Document IFC04-16

The order in which these documents are listed provides an approximate order in which it is suggested that they be read and studied. The material goes from basic to more involved, and from general to more specific.

1. **FEMA: "Overview of fire protection in buildings" (28 pages)**[Optional, but highly recommended]
http://www.fema.gov/media-library-data/20130726-1511-20490-8496/403_apa.pdf
2. **Wikipedia "firestop"**
<https://en.wikipedia.org/wiki/Firestop>
3. **Containment overview**
<http://www.firestop.org/fire-containment.html>
4. **"Close Enough, Is Not Good Enough: A Demonstration of Proper Vs. Improper Firestopping"**(6:35)
<http://www.youtube.com/watch?v=J4bw-2ME4uc>
5. **PowerPoint slides downloadable form the IFC website**
 - a. **Firestop basics**
http://www.firestop.org/uploads/2/4/5/4/24544763/firestopoverview_justthebasics.ppt
 - b. **Construction joints**
<http://www.firestop.org/uploads/2/4/5/4/24544763/constructionjointspowerpoint.ppt>

- c. **Perimeter joint firestopping**
http://www.firestop.org/uploads/2/4/5/4/24544763/perimeter_curtain_wall_revised.ppt
 - d. **Firestop system selection**
http://www.firestop.org/uploads/2/4/5/4/24544763/system_selection.ppt
6. **"Inspecting firestop for compliance"** (18:29)
<http://www.youtube.com/watch?v=p6ZQy4CuGbk>
 7. **IFC Engineering Judgment Guidelines**
http://www.firestop.org/uploads/2/4/5/4/24544763/ifc_guidelines_for_evaluating_firestop_systems_in_engineering_judgments.pdf
 8. **IFC Inspector Pocket Guide**
http://ecodes.biz/ecodes_support/free_resources/Firestopping_Insp_Manual/PDF/Firestopping_Insp_Manual.pdf
 9. **"What's the difference between firestopping & fireblocking", PM Engineer Magazine**
http://www.firestop.org/uploads/2/4/5/4/24544763/pme_firestopping801.pdf
 10. **UL Guide Information: Through-penetration Firestop Systems, category XHEZ**
http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?name=XHEZ.GuidelInfo&ccnshorttitle=Through-penetration+Firestop+Systems&objid=1074338240&cfgid=1073741824&version=versionless&parent_id=1073995580&sequence=1
 11. **UL Guide Information: Fire Resistant Joint Systems, category XHBN**
http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?name=XHBN.GuidelInfo&ccnshorttitle=Joint+Systems&objid=1074337724&cfgid=1073741824&version=versionless&parent_id=1073995560&sequence=1

12. UL Guide Information: Perimeter Fire Containment Systems, category XHDG

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?name=XHDG.GuideInfo&ccnshorttitle=Joint+Systems&objid=1074337724&cfgid=1073741824&version=versionless&parent_id=1073995560&sequence=1

13. "Membrane penetrations in Fire Resistant Rated Walls", The Code Authority, 2009 Issue 1

http://www.ul.com/global/documents/offerings/perspectives/regulators/technical/ul_MembranePenetrations.pdf

14. ASTM E2174-10, Standard Practice for On-Site Inspection of Installed Fire Stops (\$42 from astm.org)

<http://www.astm.org/Standards/E2174.htm>

15. ASTM E2393-10, Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers (\$42 from astm.org)

<http://www.astm.org/Standards/E2393.htm>

16. "Common firestop code violations" - ICC Building Safety Journal

<http://bsj.iccsafe.org/june/features/firestop.html>

17. Top 12 Firestop Inspection Deficiencies (ASTM - JAI)

http://www.firestop.org/uploads/2/4/5/4/24544763/top_12_firestop_deficiencies_astmpaper_preprint_published_by_ifc.pdf

18. Repair of Fire-Rated Gypsum Panel Product Systems (GA-225-15)

<http://www.gypsum.org/wp-content/uploads/2015/06/GA-225-15.pdf>

19. Firestopping: Fortifying the front line

<http://www.insulation.org/articles/article.cfm?id=IO040701>

20. Firestopping: Fact & Fiction

<http://www.insulation.org/articles/article.cfm?id=IO040702>

21. IFC Recommended Guidelines for Performing Destructive Testing for Installed Penetration Firestop Systems, Fire-Resistive Joint Systems, or Perimeter Fire Barrier Systems

http://www.firestop.org/uploads/2/4/5/4/24544763/ifc_recommended_guidelines_for_performing_destructive_testing_for_installed_penetration_firestop_systems_final.pdf

22. Improving Firestopping for HVAC Duct Penetrations in Fire-Rated Walls

<http://www.insulation.org/articles/article.cfm?id=IO070501>

23. Perimeter Fire Containment in Multi-story Buildings

http://www.firestop.org/files/theme/Perimeter_fire_containment_in_multi-story_buildings.pdf

24. Understanding the Hose Stream Test

<http://www.firestop.org/uploads/2/4/5/4/24544763/thehosestreamtest.pdf>

25. Protection of Sprinkler Piping Against Damage Where Subject to Earthquakes

<http://www.firestop.org/files/theme/docs/NFPA13seismicprotectionrequirements-clearancearoundsprinklerpipes.pdf>

Optional Resources *(Not On Exam)*

- **FCIA Manual Of Practice** (cost = free to \$1075, depending on job title and location)

<http://www.fcia.org/articles/mop.htm>

- **Video: Fire Spread in Curtain walled buildings, UK Loss Prevention Council, Part 1 and Part 2**

<http://www.firestop.org/videos.html>

- **ICC Evaluation Service, "Accreditation Criteria for Special Inspection Agencies, AC291"**

<http://www.iasonline.org/PDF/AC/ac291.pdf>

Broken links?

If you discover that one of the web links above is broken and unable to retrieve the specified document, kindly send a notice of this fact to: info@firestop.org.