FCIA

INTERGITY

HIGHER STANDARD

ETHICS

Fire & Life Safety Simplified
Inspection Standards

- ASTM E 2174 “Onsite inspection of installed firestop system”
- ASTM E 2393 “Onsite inspection of joints and premiered firestop system”
3rd Party Independent Inspection

ASTM E 2174 and 2393

- 6.2.1 The inspector shall be completely independent of, and divested from, the installer, contractor, manufacturer, or supplier of any material being inspected
- 6.2.2 The inspector shall not be a competitor of the installer, contractor, manufacturer, or supplier of any material being inspected
- 6.3 The inspector shall submit notarized statements to the AA assuring compliance with 6.2
Conflict of Interest Statement

(IAW ASTM E 2393-09 & E 2174-09 STANDARDS)

Project(s) Description/Location: __________________________________________________________

In accordance with ASTM International Standard E 2393-09 (“Standard Practice for On-Site Inspection of Installed Fired Resistive Joint Systems and Perimeter Fire Barriers”), Section 6.2.2 and ASTM International Standard E 2174-09 (“Standard Practice for On-Site Inspection of Installed Fire Stops”), Section 6.2 (individually and collectively the “Conflict of Interest Standards”), a contract inspector is required (i) to be independent of, and divested of, the installer, contractor, manufacturer or supplier of any material being inspected and (ii) not be a competitor or the installer, contractor, manufacturer or supplier of any material being inspected so as to avoid actual conflicts of interest and/or the appearance of such conflicts. Moreover, the Conflict of Interest Standards require the inspector to submit a statement to the authorizing authority (“AA”) assuring compliance with the Conflict of Interest Standards.

THIS STATEMENT IS MADE THIS ___________ DAY OF _________ 20___, AND CERTIFIES THAT __________________(THE“INSPECTOR”) IS IN COMPLIANCE WITH THE CONFLICT OF INTEREST STANDARDS AND THAT NO SUCH CONFLICT OF INTEREST EXISTS WITH RESPECT TO THE PROJECT(S).

Based on the above, the Inspector hereby requests that the AA hereby accept the Inspector’s qualification as independent and free of conflicts of interest respect to the specified Project(s), until such time as the evidence available to the AA shows by a preponderance of the evidence that the Inspector is not independent or has a conflict of interest with respect to the applicable inspections.

BY:__________________________________________ [Signature of Inspector]
PRINTED NAME/TITLE: __________________________
COMPANY OR AFFILIATION: ______________________

[Notary Certificate]

ACCEPTANCE BY: _______________________________ [Signature of AA]
PRINTED NAME/TITLE: __________________________ DATE: __________________
Onsite Inspection of Installed Firestop Systems

- 2 Different types of inspections
  - Visual Inspection: randomly witnessing approximately 10% of each type of firestop installed
  - Destruction Testing: destructively sampling 2% of like firestop systems within a 10,000 sq ft. area or less

Area of Inspection

- Through Penetration in walls and floors
- Blank Holes
On-site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barriers

- 2 Different Type of Inspection
  - Visual Inspection: observing installation process 5% of the total lineal ft.
  - Destructive Inspection: destructively sampling a minimum of one sample per type of joint system per 500 lineal ft.

Areas of Inspection
- Curtain Wall
- Edge of Slab
- Top/Bottom of Wall
- Fire Rated/Resistive Control Joints
- Mechanical Fire Resistive Joint System (only visual)
As per the ASTM E 2174, if non-compliance occurs on 10% or more of the quantity of like fire stop with the visual or destructive testing process, then the inspection of those particular type firestop shall cease. The installer shall QC their own work, repair or replace those firestops that were found non-compliant.
Final Report

- During/Post Inspection Method
  - Name, address, location – project, installer, inspector
  - Type and quantity of firestops inspected
  - Verification method
  - Percentage Deviation
  - Copies of all documents sent to Authorizing Agency
Qualification of Inspection Agencies

- IAS AC 291 Special Inspection Agency
- In the ASTM E 2174/2393
  - E 699 Standard Practice of Agencies Involved in Testing Quality Assurance, and Evaluating of Building Components
  - E329 Standard Specification for Agencies Engaged in Construction Inspection and/or Testing
Thank you

Questions/Answers?