PART 0 DESIGN STANDARDS

0.01 GENERAL DESIGN GUIDELINES

A. Inspection by Owner's Testing Agency does not relieve A/E of contract responsibilities.

B. Coordinate the specific type of firestopping to be used for each location.

1. Through penetration firestopping in fire rated barriers, including both empty openings and openings containing cables, pipes, ducts, conduits and other penetrating items.
2. Construction gap firestopping at connections of the same or different materials in fire-rated construction.
3. Construction gap firestopping at the top and base of fire-rated barriers, and fire rated door and window frames.

C. DPS may have firestopping requirements in excess of the International Building Code or the Denver Amendments; A/E shall coordinate.

D. Provide firestopping that meets the requirements of Underwriter's Laboratories (UL) and those of the Denver Building Department for specific hour(s) rated protection. A/E shall specify UL fire rated assembly designations in the construction documents.

E. Coordinate with mechanical, electrical, telecom, and other systems for types and locations of through-wall penetrations to be firestopped.

F. Detail and call out firestopping requirements at every construction joint and penetration in fire rated assemblies.

G. Provide detail when firestopping has to meet and/or wrap structural deck and members.

H. Allow for deflection in details.

PART 1 GENERAL No standards

PART 2 PRODUCTS

2.01 MATERIALS

A. Materials shall conform to UL and code requirements

B. Fire-rated Joint sealants

1. Single component, neutral-curing silicone sealant
2. Multi-component, nonsag, urethane sealant
3. Single–component, nonsag, urethane sealant

C. Through-wall firestop fill materials

1. Single component latex elastomeric
2. Single component silicone elastomeric
3. Two component silicone RTV foam
4. Wrap Strip and collars

D. Mineral wool

E. Single component mortar

F. Accessories

1. Forms
2. Joint fillers
3. Primers

4. Sleeves
5. Damming

PART 3 EXECUTION

3.01 INSTALLATION

A. DPS reserves the right to retain the services of an independent testing agency to inspect, sample, and confirm compliance with work in this section.

B. Notification: Contractor shall work with the Owner to schedule Owner's inspections and testing.

END OF SECTION 07840