

Topic: Special Inspection for Fire-resistant Penetrations and Joints (Section 1705)

I. Purpose:

To determine when a special inspection is necessary for fire-resistant penetrations and joints.

II. Process:

Per OSSC Section 1705.16, Special Inspections for fire-resistive penetrations and joints are required in the following situations:

- Structures designated as Mixed Occupancy and/or Use & separated per OSSC Section 508.4
- Buildings assigned to *Risk Category* III or IV in accordance with OSSC Section 1604.5

Per OSSC Section 1705.1.1 (3), Fire-resistive penetrations and joints required to be installed with additional manufacturer's instructions prescribing requirements not contained in the OSSC are unusual in nature in the opinion of the City of Bend Building Official and therefore, special inspection shall be provided in the additional following situations:

- Structures designated as Mixed Occupancy and/or Use per OSSC Section 508.
- 3-Story or greater structures with a Residential occupancy of any construction type.
- Structures utilizing alternate materials, design and methods of construction and equipment (AM & M) per OSSC Section 104.11.

Through-penetrations, membrane penetration firestops, fire-resistant joint systems, and perimeter fire barrier systems that are tested and listed in accordance with Sections 714 and 715 shall be inspected by an approved inspection agency in accordance with the following Standards:

- ASTM E 2174 for Penetration firestops per Section 1705.16.1.
- ASTM E 2393 for Fire-resistive joint systems per Section 1705.6.2.