



Title: Fire and Smoke Barrier Penetrations			
Number	EH&S -5-3	Revision:	4/11/11
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PURPOSE: To ensure that all penetrations in fire and smoke rated walls are properly sealed.

SCOPE: Hospital wide.

PROCEDURES:

I. Requirements

- A. Pipes, conduits, bus ducts, cables, wires, air ducts, pneumatic tubes and ducts, cable trays, and similar building service equipment that pass through fire and smoke barriers shall be protected to prevent the passage of flame, smoke, fumes and hot gases.
- B. All through-penetration systems used to seal fire and smoke penetrations, shall be UL listed for the specific application being applied, taking into consideration barrier rating, penetration size, penetrating material and size, and any other parameter listed on the system.

II. Responsibilities

A. Environmental Health and Safety

- 1. All through-penetration systems or firestopping shall be approved by the Department of Environmental Health and Safety (EH&S) prior to use.
- 2. During hazard surveillance rounds, EH&S will periodically audit for wall penetrations. Any penetrations noted will be forwarded to Physical Plant for repair.

B. Physical Plant

- 1. Physical Plant personnel shall conduct inspections of fire and smoke walls for penetrations in accordance with their Building Maintenance Program (BMP).
- 2. Physical Plant personnel shall repair, in a timely manner, all wall penetrations using approved systems and materials.

3. Physical Plant supervisors shall conduct period spot checks to ensure compliance with this policy.

C. New Construction

1. All plans for new construction shall show the locations and ratings for all fire and smoke barriers.
2. It is the responsibility of construction supervisors and construction management to assure the correct UL Listed fire stopping system is being applied to any penetration.
3. Construction inspectors will make note of any wall penetrations being made, and re-inspect for compliance with the above requirements.

D. Staff performing Renovations / Equipment Installations

1. All renovations, upgrades and equipment installations performed by electricians, plumbers, HVAC, telephone workers, computer systems installers, or other workers, whether in-house or outside contractors, shall comply with the above requirements.
2. Notification of penetrations made and actions taken to seal penetrations must be provided to the Physical Plant by the department performing equipment installations or by the department hiring contractors to perform equipment installations.
3. The Physical Plant above the ceiling work permit process will be used to track work and assure new penetrations are properly sealed.

INQUIRIES/REQUESTS:

Environmental Health and Safety
L1-059 HSC
Zip 8017
Main Office: 444-6783
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RELATED FORMS:

RELATED DOCUMENTS:

NFPA Life Safety Code 101-2000
Underwriter's Laboratories Building Materials Directory