

**23-382 SOM Allied Health Hydraulic Passenger Elev -  
5-Story - Cab 1 & Cab 2**

<b>Site Visit Type</b>	Scope Development Walk	<b>Site Visit Date</b>	12.06.2023
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**Participants**

The following participants were present:

- Andrew Roberts, UMB Fire Marshal
- Jason Goodman, UMB Project Manager

**Observations**

A walkthrough between the Office of the Fire Marshal (OFM) and the Project Manager (PM) occurred to look at the current conditions of the elevators and elevator machine rooms in the Allied Health Research Building, General Research Building, Institute of Human Virology, Howard Hall, Health Sciences Research Facility I, and Maryland Bar Center. The purpose of the walkthrough was to identify existing issues and to ensure they are corrected during the construction of Project #23-382. The following items were found:

**All Buildings**

- All penetrations through fire-rated Elevator Machine Room walls are not firestopped. Provide firestopping at all existing unsealed penetrations as required by NFPA 1 Section 12.3.3.1.
- Fireproofing on existing structural members is damaged and/or missing. Repair damaged and missing fireproofing as required by NFPA 1 Section 12.3.3.1.
- Duct penetrations are not fire/smoke tight and do not appear to have fire dampers. Confirm if required based on HVAC configuration and provide fire dampers as required by NFPA 90A Section 5.3.1 and repair duct penetrations.

**General Research Building**

- Compliant sprinkler coverage is not provided in low-ceiling area. Modify sprinkler protection as required by NFPA 13 Section 9.1.1.

**Health Sciences Research Facility I**

- Fireproofing at top of wall joint is missing. Repair missing fireproofing as required by NFPA 1 Section 12.3.3.1.
- Sprinklers are located above ceiling joists/beams and not all pockets have sprinkler protection. Modify sprinkler protection within room as required by NFPA 13 Section 9.5.5.

**Howard Hall**

- Sprinkler is obstructed by bulkhead construction. Relocate sprinkler as required by NFPA 13 Section 9.5.5.
- Out of service heat detector and exposed wiring are present. Remove old detector as required by NFPA 1 Section 4.5.8.3 and provide cover as required by NFPA 1 Section 11.1.8.
- Elevator Machine Room does not have sprinkler protection. NOTE - sprinklers are not required for traction elevators if all requirements of NFPA 13 Section 9.3.6.3 are met.

**Institute of Human Virology**

- Sprinkler control valve serving Elevator Machine Room is not monitored. Provide tamper switch and monitor control valve as required by NFPA 13 Section 16.9.3.3.

**Maryland Bar Center**

- Elevator Machine Room does not contain a heat detector within 24 inches of the sprinkler for elevator power shut down as required by NFPA 72 Section 21.4.2. Provide heat detector. NOTE - Project #16-344 includes replacement of the Maryland Bar Center fire alarm system.

Coordinate #23-382 with #16-344.

**Confirmation/Clarification Needed:**

1. Are sprinklers/piping permitted to be ran overtop of elevator equipment?

**Follow Up**

Relevant photos are attached.

**Photo Remarks**

TYPICAL - UNSEALED PENETRATION





TYPICAL - MISSING FIREPROOFING





TYPICAL - NO FIRE DAMPERS





TYPICAL - UNSEALED PENETRATION

