

# **015116S01 Temporary Heat Detection for Construction & Maintenance Activities**

## **INFORMATION:**

This standard addresses temporary fire protection that is required in areas within facilities while construction or maintenance activities are in progress that may inhibit the normal fire protection features. If construction or maintenance work occurs that requires removal of multiple ceiling tiles for unattended periods of time over four hours, temporary heat detection devices must be installed during the period while the ceiling integrity is impaired. During these instances, the fire suppression system may or may not be active. This standard applies to both small and large projects and the requirements below will note the different requirements based on the particular project and size. These guidelines may be modified on specific jobs based on evaluation of the particular logistics by the Project Manager or Campus Fire Marshal as the AHJ.

## **PROJECT SIZE DEFINITIONS:**

Large project – any project that involves major renovation that includes corridors and/or major demolition such as gutting of spaces for wall reconfiguration.

Small project – any project that involves existing room or rooms that do not generally require wall removal and/or relocation.

## **REQUIREMENTS:**

For all projects, the requirement is for temporary heat detection devices to be installed in all areas where ceiling tiles are removed for overnight or longer. The detectors are to be connected to the existing fire alarm system for the building by the appropriate licensed contracted fire alarm installation company for the particular facility. The quantity of detectors in each space shall be determined by the fire alarm company installing the detectors based on the coverage range of the specific devices being used.

## **MINIMUM LOCATIONS:**

Small Projects:

1. Heat detectors need to be placed in all rooms.

Large Projects:

1. Heat Detectors need to be placed in all of these spaces within the project footprint:
  - a. Guttled spaces
  - b. Corridors
  - c. Lobbies
  - d. Open areas or rooms over 400 square feet
  - e. Areas that abut spaces that will remain occupied during the renovation project
  - f. Shelled spaces
  - g. Areas being used for staging and/or storage
2. For spaces that begin in an open or gutted manner with the detectors spaced accordingly for that condition and then have new interior walls installed to create new rooms, the installation of the temporary heat detectors must be re-evaluated when the new walls are topped out with drywall. At that point, additional detectors may be required to comply with the locations noted in item 1. above for Large Projects.

## **TESTING:**

For projects in facilities accredited by The Joint Commission (TJC), monthly tests for the devices must be performed by the installing fire alarm company and the documentation provided to the Project Manager for submitting to the facilities TJC Compliance Officer.

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**Dated: 8/2019**

**Applies to: Med Center/Hospital Only  
University of Kentucky**