

## **SECTION 01 73 07**

### **TEMPORARY FIRE DETECTION, SUPPRESSION, AND SITE PROTECTION REQUIREMENTS**

#### **PART 1 - GENERAL**

##### **1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

##### **1.2 SUMMARY**

- A. This section includes administrative and procedural requirements governing the temporary fire detection and suppression requirements when impacting active construction activities in occupied facilities.
- B. Contractor shall comply with all fire and life safety code requirements for projects that impact the existing detection and suppression systems.
- C. All temporary protection requirements must be complete and active prior to the disabling or modifications to the existing systems.

#### **PART 2 - PRODUCTS (Not Used)**

#### **PART 3 - EXECUTION**

- 3.1 All detection and suppression requirements during construction must meet the 2018 International Fire Code (IFC) Section 33 and 3308.7, and 3301. All requirements as outlined in NFPA 241, Standard for Safeguarding Construction, Alterations, and Demolition Operations must also be followed.
- 3.2 STEPS for FIRE ALARM / FIRE SPRINKLER within project work:
  - A. Fire alarm and/or fire suppression systems protect all areas and need to be maintained throughout the entire duration of the project.
  - B. Smoke detection, heat detection, and fire suppression systems all rely on the ceiling structure as part of their functionality. All ceiling structures including ceiling tiles must be put back in place at the end of each workday to maintain functionality. A fire watch must be employed while any system impacts the functionality of suppression and detection systems. The use of a fire-retardant plastic covering at all openings is also acceptable.
  - C. If suppression, detection, and ancillary systems are impacted for longer than a fire watch can be employed, temporary heat detection will need to be install at the deck to maintain proper coverage and code requirements.
  - D. Fire detection and fire suppression systems can be taken offline to support project work; the FLS Impairment Form will need to be submitted through the CU project manager. Pages 2 and 3 of the Impairment form have instructions and additional information.

- E. Fire detection and fire suppression contractors must always be the first to walk and address the project before demolition of any space begins. As mentioned, the ancillary systems including ceilings, are part of the protection systems and cannot be removed without temporary requirements being installed to maintain systems. Preferred methods are turning all sprinkler heads up towards the deck or installing heat detection at the deck before demolition.
- F. Please note that fire suppression drain down require a re-fill at the end of each day unless fire watch or temporary heat detection is in place.
- G. Contractors are expected to maintain all other code requirements as it pertains to fire and life safety.

**END OF SECTION 01 73 07**