

## Alliance Fire Department Guidance for Zoning Applications - Commercial

### **Knox Box installation for new construction and renovation of commercial occupancies.**

#### **(F) Section 506 Key boxes**

(1) **506.1 Where required.** Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type listed in accordance with UL 1037 as listed in rule 1301:7-7-80 of the Administrative Code, and shall contain keys to gain necessary access as required by the fire code official.

The “Knox Box” should be installed at 60” of height and at an approved location where fire department units are expected to respond. The location of the unit should be noted on the drawings submitted for Planning Commission review.

#### **Fire Department Access**

(a) 503. 1.1 Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction *which are not readily accessible from a public and/or private street*. The fire apparatus access road shall comply with the requirements of this *paragraph* and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.

Drawings submitted for Planning Commission review should detail code-compliant fire department access to the property and structures.

#### **Fire Department Connection(FDC) Location**

(2) **912.2 Location.**With respect to hydrants, driveways, buildings and landscaping, fire department connections shall be so located that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. The location of the fire department connections shall be approved by the fire code official. *After approving the location of the fire department connection(s), the fire code official shall submit this approval to the building code official of the certified building department having jurisdiction.*

The location of the FDC should be noted on the drawings submitted for Planning Commission review. Thread specs for the FDC are available through the Alliance Building Department and the Alliance Fire Department.

## Hydrant Location

(a) **507.5.1 Where required.** Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (122 m) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

(i) **507.5.1.1 Hydrant for standpipe systems.** Buildings equipped with a standpipe system installed in accordance with *paragraph (E)(905) of rule 1301:7-7-09 of the Administrative Code* shall have a fire hydrant within 100 feet (30 480 mm) of the fire department connections.

The location, size and distances of hydrants, whether municipal or private, should be noted on the drawings submitted for Planning Commission review.

## Supporting Documentation

(3) **501.3 Construction documents.** Construction documents for proposed fire apparatus access, location of fire lanes, security gates across fire apparatus access and construction documents and hydraulic calculations for fire hydrant systems shall be submitted to the fire department for review and approval prior to construction.

## Radio Coverage

(J) Section 510 Emergency responder radio coverage (1) 510.1 Emergency responder radio coverage in new buildings. All new buildings shall have approved radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems of the jurisdiction at the exterior of the building. This paragraph shall not require improvement of the existing public safety communication systems. Note: for copyright claim information, please see the notice on the last page of this rule. 1301:7-7-05 9

Exceptions:

1. Where approved by the building official and the fire code official, a wired communication system in accordance with paragraph (G)(2)(m)(ii)(907.2.13.2) of rule 1301:7-7-09 of the Administrative Code shall be permitted to be installed or maintained in lieu of an approved radio coverage system.
2. Where it is determined by the fire code official that the radio coverage system is not needed.
3. In facilities where emergency responder radio coverage is required and such systems, components or equipment required could have a negative impact on the normal operations of that facility, the fire code official shall have the authority to accept an automatically activated emergency responder radio coverage system.

*All relevant documents should be submitted with the drawings for Planning Commission review.*