

# LEE'S SUMMIT FIRE DEPARTMENT

FIRE HEADQUARTERS  
207 SE DOUGLAS STREET  
LEE'S SUMMIT, MISSOURI 64063-2372  
(816) 969-1300  
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## PLAN REVIEW CONDITIONS

May 02, 2011

ACI BOLAND  
11229 NALL, SUITE 140  
LEAWOOD, KS 66211

Permit No: PRCOM20110759  
Project Title: SAINT LUKES EAST  
Project Address: 100 NE SAINT LUKES BLVD, LEES SUMMIT, MO 64086  
Parcel Number: 52400043900000000  
Location: SAINT LUKE'S HOSPITAL OF LEE'S SUMMIT LOT 1---LOT 1 (EX PT IN RD)  
Type of Work: New Tenant Finish  
Occupancy Group: Institutional, incapacitated  
Description: NICU TENANT FINISH

***The following is a list of requirements from the City of Lee's Summit that have not been satisfactorily addressed in the plans and specifications. Please contact the appropriate department regarding clarification of comments.***

Codes Administration (816) 969-1200

Fire Department (816) 969-1300

### **Fire Plan Review**

**Reviewed By: Brian Austerman**

**Approved**

1. 2006 IFC 901.2- Construction documents. The fire code official shall have the authority to require construction documents and calculations for all fire protection systems and to require permits be issued for the installation, rehabilitation or modification of any fire protection system. Construction documents for fire protection systems shall be submitted for review and approval prior to system installation.

**ACTION REQUIRED: PROVIDE SHOP DRAWINGS FOR SPRINKLER ALTERATIONS**

2. 2006 IFC 907.1.1- Construction documents. Construction documents for fire alarm systems shall be submitted for review and approval prior to system installation. Construction documents shall include, but not be limited to, all of the following: 1. A floor plan which indicates the use of all rooms. 2. Locations of alarm-initiating and notification appliances. 3. Alarm control and trouble signaling equipment. 4. Annunciation. 5. Power connection. 6. Battery calculations. 7. Conductor type and sizes. 8. Voltage drop calculations. 9. Manufacturers, model numbers and listing information for equipment, devices and materials. 10. Details of ceiling height and construction. 11. The interface of fire safety control functions.

**ACTION REQUIRED: PROVIDE SHOP DRAWINGS FOR ALARM SYSTEM ALTERATIONS**

3. 2006 IFC 901.5- Installation acceptance testing. Fire detection and alarm systems, fire-extinguishing systems, fire hydrant systems, fire standpipe systems, fire pump systems, private fire service mains and all other fire protection systems and appurtenances thereto shall be subject to acceptance tests as contained in the installation standards and as approved by the fire code official. The fire code official shall be notified

before any required acceptance testing. The fire code official shall be notified 48 hours before any required acceptance test.

ACTION REQUIRED: CALL 969-1300 TO SCHEDULE TESTING PRIOR TO THE FINAL

4. Provide Med Gas piping certifications prior to final

5. 2006 IFC 906.2 - General requirements. Portable fire extinguishers shall be selected, installed and maintained in accordance with this section and NFPA 10.

ACTION REQUIRED: PROVIDE FIRE EXTINGUISHERS, 2A10B:C

6. 2006 IFC 907.12 Duct smoke detectors.

Duct smoke detectors shall be connected to the building's fire alarm control panel when a fire alarm system is provided. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location. Duct smoke detectors shall not be used as a substitute for required open area detection.

Exceptions:

1. The supervisory signal at a constantly attended location is not required where duct smoke detectors activate the building's alarm notification appliances.

2. In occupancies not required to be equipped with a fire alarm system, actuation of a smoke detector shall activate a visible and an audible signal in an approved location. Smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble.

ACTION REQUIRED: FOR UNITS 2000 CFM OR GREATER PROVIDE DUCT DETECTION THAT UPON ACTIVATION WILL SHUT DOWN THE UNIT AND SEND A SUPERVISORY SIGNAL TO THE FACP

7. 2006 IFC 1008.1.8.6 Delayed egress locks.

Approved, listed, delayed egress locks shall be permitted to be installed on doors serving any occupancy except Group A, E and H occupancies in buildings that are equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke or heat detection system installed in accordance with Section 907, provided that the doors unlock in accordance with Items 1 through 6 below. A building occupant shall not be required to pass through more than one door equipped with a delayed egress lock before entering an exit.

1. The doors unlock upon actuation of the automatic sprinkler system or automatic fire detection system.

2. The doors unlock upon loss of power controlling the lock or lock mechanism.

3. The door locks shall have the capability of being unlocked by a signal from the fire command center.

4. The initiation of an irreversible process which will release the latch in not more than 15 seconds when a force of not more than 15 pounds (67 N) is applied for 1 second to the release device. Initiation of the irreversible process shall activate an audible signal in the vicinity of the door. Once the door lock has been released by the application of force to the releasing device, relocking shall be by manual means only. Exception: Where approved, a delay of not more than 30 seconds is permitted.

5. A sign shall be provided on the door located above and within 12 inches (305 mm) of the release device reading: PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.

6. Emergency lighting shall be provided at the door.

ACTION REQUIRED: ELECTRONICALLY CONTROLLED DOORS SHALL COMPLY WITH THIS SECTION, INCLUDING LOCKS DROPPING OFF WITH A GENERAL FIRE ALARM ACTIVATION

8. Manual pull stations are not shown on plans

**Building Plan Review**

**Reviewed By: Michael Weisenborn**

**Pending**

***The approval of plans and specifications does not permit the violation of any section of the Building Codes or other City Ordinances or State Law.***

***The review conducted by the City of Lee's Summit Codes Administration Department shall not be construed as a structural review of the project.***