

# 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

April 27, 2011

GUY GRONBERG ARCHITECTS, PC  
113 SE 3RD ST  
LEES SUMMIT, MO 64063--2719

Permit No: PRCOM20110702  
Project Title: DISCOVER VISION CENTER  
Project Address: 425 NW MURRAY RD, LEES SUMMIT, MO 64081  
Parcel Number: 62110051400000000  
Location: J.K.V. EAST COMMERCIAL DEVELOPMENT---LOT 2  
Type of Work: Change of Tenant  
Occupancy Group: Business  
Description: 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 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.

### **PROVIDE SHOP DRAWINGS FOR NEW OR ADDITIONAL NOTIFICATION APPLIANCES**

2. 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.

**CALL 969-1300 TO SCHEDULE TESTING PRIOR TO FINAL**

3. 2006 IFC 906.5- Conspicuous location. Portable fire extinguishers shall be located in conspicuous locations where they will be readily accessible and immediately available for use. These locations shall be along normal paths of travel, unless the fire code official determines that the hazard posed indicates the need for placement away from normal paths of travel.

PROVIDE 2A10B:C EXTINGUISHERS FOR COMPLIANCE OF NFPA 10

4. 200R IFC1028.2 Reliability.

Required exit accesses, exits or exit discharges shall be continuously maintained free from obstructions or impediments to full instant use in the case of fire or other emergency when the areas served by such exits are occupied.

MAINTAIN THE INTEGRITY OF THE EXITS AND PASSAGEWAYS DURING CONSTRUCTION

5. 2006 IFC 907.2.12.1 Automatic fire detection.

Smoke detectors shall be provided in accordance with this section. Smoke detectors shall be connected to an automatic fire alarm system. The activation of any detector required by this section shall operate the emergency voice/alarm communication system. Smoke detectors shall be located as follows:

1. In each mechanical equipment, electrical, transformer, telephone equipment or similar room which is not provided with sprinkler protection, elevator machine rooms, and in elevator lobbies.
2. In the main return air and exhaust air plenum of each air-conditioning system having a capacity greater than 2,000 cubic feet per minute (cfm) (0.94 m<sup>3</sup>/s). Such detectors shall be located in a serviceable area downstream of the last duct inlet.
3. At each connection to a vertical duct or riser serving two or more stories from a return air duct or plenum of an air-conditioning system. In Group R-1 and R-2 occupancies, a listed smoke detector is allowed to be used in each return-air riser carrying not more than 5,000 cfm (2.4 m<sup>3</sup>/s) and serving not more than 10 air-inlet openings.

RTU 1 IS LISTED AS 2000CFM, IT REQUIRES DUCT DETECTION THAT WILL SEND A SUPERVISORY SIGNAL TO THE ALARM PANEL UPON ACTIVATION

**Building Plan Review**

**Reviewed By: Michael Weisenborn**

**Rejected**

1. 2006 IBC 1008.1.1 - Size of doors. The minimum width of each door opening shall be sufficient for the occupant load thereof and shall provide a clear width of not less than 32 inches. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Where this section requires a minimum clear width of 32 inches and a door opening includes two door leaves without a mullion, one leaf shall provide a clear width of 32 inches. The maximum width of a swinging door leaf shall be 48 inches nominal. Means of egress doors in Group I-2 occupancy used for the movement of beds shall provide a clear width not less than 41.5 inches. The height of doors shall not be less than 80 inches.

Action required - This comment is in regards to doors 105A and B. Make needed corrections or provide additional information.

2. 2005 NEC 230.70(A)(2) - Bathrooms. Service disconnection means shall not be installed in bathrooms.

Action required - The electric service panels are shown to be located in room 112 which is a private bathroom. Make needed corrections.

***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.***