

# LEE'S SUMMIT FIRE DEPARTMENT

FIRE HEADQUARTERS  
207 SE DOUGLAS STREET  
LEE'S SUMMIT, MISSOURI 64063-2372  
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## PLAN REVIEW CONDITIONS

April 28, 2011

DAVIDSON DESIGN GROUP  
11301 STRANG LINE ROAD  
LENEXA, KS 66215

Permit No: PRCOM20110540  
Project Title: ORKIN  
Project Address: 2810 NE INDEPENDENCE AVE, LEES SUMMIT, MO 64064  
Parcel Number: 522000128000000000  
Location: LAKEWOOD BUSINESS CENTER ON I-470 - PLAT P---LOT 19  
Type of Work: New Tenant Finish  
Occupancy Group: Business  
Description: ORKIN 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

### **Building Plan Review**

**Reviewed By: Michael Weisenborn**

**Approved**

2. 2006 IPC 701.4 - Sewage treatment. Sewage or other waste from a plumbing system that is deleterious to surface or subsurface waters shall not be discharged into the ground or into any waterway unless it has first been rendered innocuous through subjection to an approved form of treatment.

Action required - Chemicals hazardous to the environment shall not enter the drainage system. This comment is for information purposes.

3. ICC/ANSI A117.1 2003 804.6.6 - Refrigerator/Freezer. Combination refrigerators and freezers shall have at least 50 percent of the freezer compartment shelves, including the bottom of the freezer, 54 inches maximum above the floor when the shelves are installed at the maximum heights possible in the compartment. A clear floor space, positioned for a parallel approach to the space dedicated to a refrigerator/freezer, shall be provided. The centerline of the clear floor space shall be offset 24 inches maximum from the centerline of the dedicated space.

Action required - This comment is for information purposes.

4. Exterior signage is not included in the building permit review. Please contact the Planning and Development Department at (816) 969-1600 for application, review and permit requirements.

Action required - This comment is for information purposes.

**Fire Plan Review****Reviewed By: Brian Austerman****Rejected****1. Fire Dept 2006 IFC 1006.3 Illumination emergency power.**

The power supply for means of egress illumination shall normally be provided by the premises' electrical supply.

In the event of power supply failure, an emergency electrical system shall automatically illuminate the following areas:

1. Aisles and unenclosed egress stairways in rooms and spaces that require two or more means of egress.
2. Corridors, exit enclosures and exit passageways in buildings required to have two or more exits.
3. Exterior egress components at other than the level of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.
4. Interior exit discharge elements, as permitted in Section 1024.1, in buildings required to have two or more exits.
5. Exterior landings, as required by Section 1008.1.5, for exit discharge doorways in buildings required to have two or more exits.

The emergency power system shall provide power for a duration of not less than 90 minutes and shall consist of storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Section 2702 of the International Building Code.

Action required: Provide a remote light at the exterior of the marked exits for exterior egress illumination  
ADDRESSED IN RESUB

**2. Fire Dept 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.

Action Required: Duct detectors shall transmit a supervisory signal, verified at inspection  
ADDRESSED IN RESUB

**3. 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: This is addressed in the plan notes but not shown, verified at inspection

**4. 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: Submit shop drawings for sprinkler system alterations for approval  
ADDRESSED IN RESUB

**5. 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 additional appliances, including appliance specs, voltage drops and battery calculations ADDRESSED IN RESUB

6. 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 816-969-1300 to schedule testing prior to the final ADDRESSED IN RESUB

7. 2701.5.2 Hazardous Materials Inventory Statement (HMIS).

Where required by the fire code official, an application for a permit shall include an HMIS, such as SARA (Superfund Amendments and Reauthorization Act of 1986) Title III, Tier II Report, or other approved statement. The HMIS shall include the following information:

1. Manufacturer's name.
2. Chemical name, trade names, hazardous ingredients.
3. Hazard classification.
4. MSDS or equivalent.
5. United Nations (UN), North America (NA) or the Chemical Abstract Service (CAS) identification number.
6. Maximum quantity stored or used on-site at one time.
7. Storage conditions related to the storage type, temperature and pressure.

Action required: MSDS received on initial submittal but the maximum storage quantity and storage plan needs to be provided prior to approval NEED MSDS ON MATERIALS TO BE STORED

8. 2006 IFC 407.3- Identification. Individual containers of hazardous materials, cartons or packages shall be marked or labeled in accordance with applicable federal regulations. Buildings, rooms and spaces containing hazardous materials shall be identified by hazard warning signs in accordance with Section 2703.5.

Action required: Provide signage on doors leading to hazardous materials storage ADDRESSED IN RESUB

***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.***