

# LEE'S SUMMIT FIRE DEPARTMENT

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

Permit No:	PRCOM20110060	Date:	February 17, 2011
Project Title:	Massage Heights	Applicant:	
Location:	970 NW BLUE PKWY, Unit:D	KCFS	
	LEES SUMMIT, MO 64086	901 E Loula	
Type of Work:	Alarm Alteration	Olathe, KS 66061	
Occupancy Group:	B	(913) 780-5237	
Description:	Massage Tenant Finish		
Construction Type:	Type IIB (Unprotected)		
Map Page:	195A		

**Listed below are requirements from our department for the project noted above. If you have any additional questions, please contact our department for further clarification.**

### **Alarm Plan Review**

**Reviewed By: Jim Eden**

**Released for Construction**

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.

Information received February 16, 2011. Wall layout barely legible.

### 2. 2006 IFC 907.10.1.1 Public and common areas.

Visible alarm notification appliances shall be provided in public areas and common areas.

#### 907.10.1.2 Employee work areas.

Where employee work areas have audible alarm coverage, the notification appliance circuits serving the employee work areas shall be initially designed with a minimum of 20 percent spare capacity to account for the potential of adding visible notification appliances in the future to accommodate hearing impaired employee(s).

#### 907.10.2 Audible alarms.

Audible alarm notification appliances shall be provided and sound a distinctive sound that is not to be used for any purpose other than that of a fire alarm. The audible alarm notification appliances shall provide a sound pressure level of 15 decibels (dBA) above the average ambient sound level or 5 dBA above the maximum sound level having a duration of at least 60 seconds, whichever is greater, in every occupied space within the building. The minimum sound pressure levels shall be: 70 dBA in occupancies in Groups R and I-1; 90 dBA in mechanical equipment rooms; and 60 dBA in other occupancies. The maximum sound pressure level for audible alarm notification appliances shall be 120 dBA at the minimum hearing distance from the audible appliance. Where the average ambient noise is greater than 105 dBA, visible alarm notification appliances shall be provided in accordance with NFPA 72 and audible alarm notification appliances shall not be required.

Action required: After reviewing the permit drawings , the insulation of the walls may limit the audibility of the alarm in the rooms which will be occupied by an employee and client (public). Provide visual notification. Verified at inspection.

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.

Call (816) 969-1300 to schedule testing before regular business hours of the neighboring businesses.

4.

5. Duct detection activation shall initiate a supervisory signal to the panel and monitoring company. It shall not activate alarm notification appliances in the building.

Verified at inspection.

**The applicant understands that the requirements listed above must be corrected to conform to applicable City Codes and Ordinances.**