

LEE'S SUMMIT FIRE DEPARTMENT

FIRE HEADQUARTERS
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PLAN REVIEW CONDITIONS

July 07, 2011

SUMMIT NORTHRIDGE LLC
605 W 47TH ST STE 200
KANSAS CITY, MO 64112

Permit No: PRCOM20113275
Project Title: HEARTLAND DENTAL CARE
Project Address: 691 NW BLUE PKWY, LEES SUMMIT, MO 64086
Parcel Number: 51700040900000000
Location: SUMMIT FAIR 3RD PLAT LOTS 15-27 & TRACTS F-I---LOT 17
Type of Work: New Tenant Finish
Occupancy Group: BUSINESS
Description: TENANT FINSH FOR A DENTAL OFFICE IN PREVIOUSLY UNOCCUPIED SPACE

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: Jim Eden

Rejected

1. 2006 IFC 3006.2 Interior supply location.

Medical gases shall be stored in areas dedicated to the storage of such gases without other storage or uses. Where containers of medical gases in quantities greater than the permit amount are located inside buildings, they shall be in a 1-hour exterior room, a 1-hour interior room or a gas cabinet in accordance with Section 3006.2.1, 3006.2.2 or 3006.2.3. 2006 IFC 3006.2.1 One-hour exterior rooms.

A 1-hour exterior room shall be a room or enclosure separated from the remainder of the building by fire barriers with a fire-resistance rating of not less than 1 hour. Openings between the room or enclosure and interior spaces shall be self-closing smoke- and draft-control assemblies having a fire protection rating of not less than 1 hour. Rooms shall have at least one exterior wall that is provided with at least two vents. Each vent shall not be less than 36 square inches (0.023 m²) in area. One vent shall be within 6 inches (152 mm) of the floor and one shall be within 6 inches (152 mm) of the ceiling. Rooms shall be provided with at least one automatic sprinkler to provide container cooling in case of fire.

Action required: Make corrections to meet the requirements for interior gas storage.

2. The door to the gas storage room shall be marked "compressed gasses" and have a NFPA 704 placard on the room door and front and rear doors of the building.

Verified at inspection.

3. 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 the sprinkler system alteration.

4. 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 the alarm system alteration.

5. 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.

Action required: Move the fire extinguisher from utility area to a conspicuous location at the front of the building.

6. 2006 IFC 505.1- Address numbers. New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. In Multi-tenant commercial building where tenants have multiple entrances located on different sides of the building, each door shall be addressed. Address numbers shall be Arabic numerals or alphabet letters. Numbers shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 0.5 inch (12.7 mm).

Verified at inspection.

7. 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: Confirm if exterior emergency lights are present as part of the shell building or provide.

Building Plan Review**Reviewed By: Michael Weisenborn****Rejected**

1. Lee's Summit Code of Ordinance, Section 7-130.10 - Business License. It shall be unlawful for any person to engage in the construction contracting business without first obtaining a business license as required under the applicable provisions of Chapter 28 of the Lee's Summit Code of Ordinances.

Action required - Please verify that the general contractor has a valid Class B General Contractors License. I was unable to find you in our system.

2. 2006 IBC 602.1 - General. Buildings and structures erected or to be erected, altered or extended in height or area shall be classified in one of the five construction types defined in Sections 602.2 through 602.5. The building elements shall have a fire-resistance rating not less than that specified in Table 601 and exterior walls shall have a fire-resistance rating not less than that specified in Table 602.

Action required - The construction type set for the shell building was Type II-B. Make needed corrections.

3. 2006 IPC 403.2 - Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex. (See code for possible exceptions.)

Action required - Label the restrooms on the plans.

4. ICC/ANSI A117.1 2003 604.5.1 - Fixed sidewall grab bars. Fixed sidewall grab bars shall be 42 inches minimum in length, located 12 inches maximum from the rear wall and extending 54 inches minimum from the rear wall. In addition, a vertical grab bar 18 inches minimum in length shall be mounted with the bottom of the bar located between 39 inches and 41 inches above the floor, and with the center line of the bar located between 39 inches and 41 inches from the rear wall.

Action required - The vertical grab bar is not shown on the plans. Make needed corrections.

5. 2006 IBC 1210.1 - Floors. In other than dwelling units, toilet and bathing room floors shall have a smooth, hard, nonabsorbent surface that extends upward onto the walls at least 6 inches.

Action required - Make needed corrections for the rear toilet room.

6. ICC/ANSI A117.1 2003 404.2.3 - Maneuvering Clearance at Doors. Minimum maneuvering clearances at doors shall comply with Section 404.2.3 and shall include the full clear opening width of the doorway.

Action required - The door to the rear toilet does not meet this requirement. Make needed corrections.

7. 2006 IBC 1210.2 - Walls. Walls within 2 feet of urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture. Exceptions: 1. Dwelling units and sleeping units. 2. Toilet rooms that are not accessible to the public and which have not more than one water closet. Accessories such as grab bars, towel bars, paper dispensers and soap dishes, provided on or within walls, shall be installed and sealed to protect structural elements from moisture.

Action required - This applies not only to the wall behind the toilet but any sidewall within the specified distance. If paint is to be used in this area it must be an epoxy paint. Make needed corrections.

8. Sheets M1, P1, E1 and N1 are not sealed and signed by an engineer licensed in the State of Missouri.

Action Required - Provide three (3) copies of sealed and signed sheets.

9. 2006 IMC 403.2 - Outdoor air required. The minimum ventilation of outdoor air shall be determined in accordance with Section 403.3. Exception: Where the registered design professional demonstrates that an engineered ventilation system design will prevent the maximum concentration of contaminants from exceeding the obtainable by the rate of outdoor air ventilation determined in accordance with Section 403.3, the minimum required rate of outdoor air shall be reduced in accordance with such engineered system design.

Action Required - Provide calculations for the outdoor air and how it will be obtained.

10. The three exhaust fans are shown to be tied into one common exhaust with nothing to keep the exhaust from one fan to be pushed into another space.

Action Required - Make needed corrections.

11. The sizes of the mechanical ducts are not provided on the plans.

Action Required - Add additional information.

12. I am unable to locate details for the construction of the water heater shelf.

Action Required - Provide additional information.

13. Sizing of all waste, vent and water piping is not provide.

Action Required - Provide additional detail on the plans.

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.