



## FIRE DEPARTMENT

### PLAN REVIEW CONDITIONS

June 25, 2018

ROSEMANN & ASSOCIATES  
1526 GRAND BLVD  
KANSAS CITY, MO 64108

Permit No: PRCOM20181274  
Project Title: KESSLER RIDGE APARTMENTS  
Project Address: 451 SW LONGVIEW BLVD, LEES SUMMIT, MO 64081  
Parcel Number: 62420290300000000  
Location: MINOR PLAT OF FASCINATION AT NEW LONGVIEW LOTS 1 & 2---LOT 2  
Type of Work: NEW MULTI-FAMILY  
Occupancy Group: RESIDENTIAL, MULTI-FAMILY  
Description: NEW APARTMENT BUILDING WITH LOWER LEVEL PARKING

***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.***

Development Services Department (816) 969-1200

Fire Department (816) 969-1300

#### Fire Plan Review

Reviewed By: Joe Dir

Approved with Conditions

2. 2012 IFC 1004.3- Posting of occupant load. Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent.

ACTION REQUIRED:(verified at inspection)

Post the occupant load in all assembly areas. Pool deck area, patio areas on the 2nd and 3rd floors.

5. 2012 IFC 506.1- Where required. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location. The key box shall be of an approved type and shall contain keys to gain necessary access as required by the fire code official. Kox box shall be mounted on the exterior wall above the fire department connection approximately 5'-6' above the finish grade.

506.1.2 Key boxes for nonstandardized fire service elevator keys. Key boxes provided for nonstandardized fire service elevator keys shall comply with Section 506.1 and all of the following:

1. The key box shall be compatible with an existing rapid entry key box system in use in the jurisdiction and approved by the fire code official.

2. The front cover shall be permanently labeled with the words "Fire Department Use Only—Elevator Keys."
3. The key box shall be mounted at each elevator bank at the lobby nearest to the lowest level of fire department access.
4. The key box shall be mounted 5 feet 6 inches (1676 mm) above the finished floor to the right side of the elevator bank.
5. Contents of the key box are limited to fire service elevator keys. Additional elevator access tools, keys and information pertinent to emergency planning or elevator access shall be permitted when authorized by the fire code official.
6. In buildings with two or more elevator banks, a single key box shall be permitted to be used when such elevator banks are separated by not more than 30 feet (9144 mm). Additional key boxes shall be provided for each individual elevator or elevator bank separated by more than 30 feet (9144 mm).

**ACTION REQUIRED:**

knox boxes and elevator key boxes can be obtain online at [knoxbox.com](http://knoxbox.com)

8. 2012 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:(information purposes)**

field tests and acceptance testing of the fire sprinkler, fire alarm and kitchen hood systems prior to the final occupancy inspection. contact the fire department to schedule testing.(816)969-1300

**10. Fire Lanes**

**ACTION REQUIRED:(verified at inspection)**

No parking signs posted on both sides of access roadways. D103.6.1 Roads 20 to 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide (6096 to 7925 mm).

D103.6 Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING—FIRE LANE signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.

**12. Floor designation**

**ACTION REQUIRED:(veriified at inspection)**

[B] 1022.9 Stairway identification signs. A sign shall be provided at each floor landing in an interior exit stairway and ramp connecting more than three stories designating the floor level, the terminus of the top and bottom of the interior exit stairway and ramp and the identification of the stair or ramp. The signage shall also state the story of, and the direction to, the exit discharge and the availability of roof access from the interior exit stairway and ramp for the fire department. The sign shall be located 5 feet (1524 mm) above the floor landing in a position that is readily visible when the doors are in the open and closed positions. In addition to the stairway identification sign, a floor-level sign in raised characters and Braille complying with ICC A117.1 shall be located at each floor-level landing adjacent to the door leading from the interior exit stairway and ramp into the corridor to identify the floor level.

[B] 1022.8 Discharge identification. An interior exit stairway and ramp shall not continue below its level of exit discharge unless an approved barrier is provided at the level of exit discharge to prevent persons from unintentionally continuing into levels below. Directional exit signs shall be provided as specified in Section 1011.

18. 2012 IFC 609.2- Where required. A Type I hood shall be installed at or above all commercial cooking appliances and domestic cooking appliances used for commercial purposes that produce grease vapors.

**ACTION REQUIRED:**

If the stove is to be utilized for warming purposes only, a letter from the property management on managements letter head will be required stating the stove will be utilized for warming purposes only NO GREASE LADEN VAPORS will be generated.

20. 2012 IFC 906.2- General requirements. Portable fire extinguishers shall be selected, installed and maintained in accordance with this section and NFPA 10.

**ACTION REQUIRED:(verified at inspection)**

Provide fire extinguishers in the corridors according to the plans and as specified below.

**PORTABLE FIRE EXTINGUISHERS**

906.1 Where required. Portable fire extinguishers shall be installed in the following locations.

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.

Exception: In Group R-2 occupancies, portable fire extinguishers shall be required only in locations specified in Items 2 through 6 where each dwelling unit is provided with a portable fire extinguisher having a minimum rating of 1-A:10-B:C.

2. Within 30 feet (9144 mm) of commercial cooking equipment.

3. In areas where flammable or combustible liquids are stored, used or dispensed.

4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 3315.1.

5. Where required by the sections indicated in Table 906.1.

6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the fire code official.

**Building Plan Review**

**Reviewed By: Joe Frogge**

**Pending**

1. The building permit for this project can not be issued until the Codes Administration Department has received the approved Final Development Plan from the Planning and Development Department.

Action required: Comment is for informational purposes.

2. A License Tax application completed by the contractor must be submitted to the City of Lee's Summit, Codes Administration Department, and any applicable License Tax paid prior to issuing a building permit.

Action required: Comment is for informational purposes.

3. Elevator Safety Act and Rules 701.361 - Each privately owned or operated installation and each installation owned or operated by the state of Missouri or any political subdivision of the state shall have a certificate of inspection and meet the safety code promulgated pursuant to sections 701.350 to 701.380.

Action required: Comment is for informational purposes.

4. Prior to the installation or construction of any elevator equipment, an elevator equipment permit shall be obtained from the Missouri Department of Public Safety or its authorized representative.

Action required: Comment is for informational purposes.

5. Prior to the operation of any new elevator equipment or the issuance of the operating certificate, such elevator equipment shall be inspected by a licensed inspector. Testing must be performed in accordance with these rules and regulations. The testing must be witnessed by a licensed inspector. Contact the Lee's Summit Codes Administration.

Action required: Comment is for informational purposes.

6. 2012 IBC 1803.1 General. Geotechnical investigations shall be conducted in accordance with Section 1803.2 and reported in accordance with Section 1803.6. Where required by the building official or where geotechnical investigations involve in-situ testing, laboratory testing or engineering calculations, such investigations shall be conducted by a registered design professional.

Action required: Provide soils report to justify design assumption of soil bearing capacity greater than 2,000psf.

7. 2012 IBC 1704.2 Special inspections. Where application is made for construction as described in this section, the owner or the registered design professional in responsible charge acting as the owner's agent shall employ one or more approved agencies to perform inspections during construction on the types of work listed under Section 1705. These inspections are in addition to the inspections identified in Lee's Summit Code of Ordinances Chapter 7. (see code section for exceptions)

Action required: Provide statement of special inspections / letter of responsibility from company contracted to perform special inspections.

8. Copies of the engineered truss package were not provided at the time of permit application.

Action required: Submit truss package or request deferral.

9. Pool plans not submitted.

Action required: Submit pool construction plans or request deferral. Pool must comply with Lee's Summit Code of Ordinances 7-233.

10. A code analysis shall be provided which includes but is not limited to occupancy type, occupant load, construction type, actual area, height and floors, allowable area, height and floors, and the codes to which the project is designed.

Update code analysis to reflect the following:

- Parking underneath R must be construction Type I or IV to meet requirements of 510.4. Otherwise the horizontal assembly would need to be 3 hours and Type IA per 510.2
- Area increases not allowed with 13R system
- Provide square footage information for separate fire areas
- Frontage increase percentages to be calculated per fire area. i.e. you won't get the full .75

11. 2012 IBC 1015.1 – Exits or exit access doorways from spaces. Two exits or exit access doorways from any space shall be provided where one of the following conditions exists: 1. The occupant load of the space exceeds one of the values in Table 1015.1. 2. The common path of egress travel exceeds one of the limitations of Section 1014.3. 3. Where required by Section 1015.3, 1015.4, 1015.5 or 1015.6. Where a building contains mixed occupancies, each individual occupancy shall comply with the applicable requirements for that occupancy. Where applicable, cumulative occupant loads from adjacent occupancies shall be considered in accordance with the provisions of Section 1004.1.

Action required: Provide additional exit out of lower level storage room #052 as the common path of travel has been exceeded per table 1014.3.

12. 2012 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. Where required to have a fire-resistance rating by Table 601, building elements shall comply with the applicable provisions of Section 703.2. The protection of openings, ducts and air transfer openings in building elements shall not be required unless required by other provisions of this code.

Actions required:

- Easternmost exterior wall to be fire rated per Table 602 due to fire separation distance from townhouse #5.
- Columns depicted in detail 10/A-501 must be protected with 1 hour barrier.
- Columns at Vestibule 161 must be protected with 1 hour barrier.

(note: these comments not to be considered as all-inclusive - all structural elements to be protected)

13. Unified Development Ordinance Article 7, Section 7.180.E

Roof mounted equipment – All roof-mounted equipment shall be screened entirely from view by using parapet walls at the same height as the mechanical units. For additions to existing buildings that do not meet this standard, individual screens will be permitted, with the design subject to approval by the Director.

Action required: Make needed corrections to drawings that provide details as to how mechanical equipment will be screened per referenced UDO section.

14. Balcony structures not submitted.

Action required: Submit complete balcony structural drawings or request deferral.

15. ICC A117.1-2009 604.3.1 – Clearance width. Clearance around a water closet shall be 60 inches minimum in width, measured perpendicular from the sidewall.

Action required: Modify restrooms 167A, 167B, & 352 to comply. Must be accessible per IBC 1109.2.

16. ICC A117.1-2009 Section 902.4 Height. The tops of dining surfaces and work surfaces shall be 28 inches minimum and 34 inches maximum in height above the floor.

Action required: Modify cabinetry in conference room 163C as well as counters at patio kitchen to comply. ref: 8/A-706 & 11-14/A-705

***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 Development Services Department shall not be construed as a structural review of the project.***