



## FIRE DEPARTMENT

### PLAN REVIEW CONDITIONS

June 10, 2014

NSPJ ARCHITECTS  
3515 W 75TH ST, SUITE 201  
PRAIRIE VILLAGE, KS 66208

Permit No: PRCOM20141077  
Project Title: RESIDENCES AT NEW LONGVIEW  
Project Address: 3341 SW KESSLER DR  
Parcel Number: 62420960100000000  
Location: SEC-10 TWP-47 RNG-32---PT NW 1/4 DAF: BEG 275.01' MOL N & 33' MOL E OF SW COR NW 1/4 TH N ALG ELY ROW LI LONGVIEW RD 779.99' MOL TH N 48 DEG 15 MIN 08 SEC E 21.21' TH S 86 DEG 44 MIN 52 SEC E 204.31' TH SELY ALG CURV TO RI RAD 244' DIST 113.82' TH SELY ALG CURV LF RAD 356' DIST 168.83' TH S 87 DEG 11 MIN 35 SEC E 180.45' TH NELY ALG CURV LF RAD 335' DIST 198.97' TH N 58 DEG 46 MIN 33 SEC E 21.75' TH S 76 DEG 13 MIN 27 SEC E 70.71' TH S 31 DEG 13 MIN 27 SEC E 120.04' TH SELY ALG CURV RI RAD 230' DIST 136.64' TH S 02 DEG 48 MIN 52 SEC W 727.58' TH S 47 DEG 48 MIN 51 SEC W 70.71' TH N 87 DEG 11 MIN 08 SEC W 586.33' MOL TH NLY 225.01' TH WLY 425.01' TH WLY 425.01' TO TRU POB  
Type of Work: NEW MULTI-FAMILY  
Occupancy Group: RESIDENTIAL, MULTI-FAMILY  
Description: APARTMENT BUILDING #6 - TYPE B4/4

***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: Joe Frogge**

**Pending**

1. 2012 IBC 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 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. (see code section for specific requirements)

Action required: Comment for informational purposes. May be verified at inspections.

2. 2012 IBC 1107.6.2 Group R-2. Accessible units, Type A units and Type B units shall be provided in Group R-2 occupancies in accordance with Sections 1107.6.2.1 and 1107.6.2.2.

Action required: Clarify which units will be Type A and demonstrate how they will meet ICC A117.1 requirements. Clarify how remaining (Type B) units will meet ICC A117.1 requirements.

3. 2009 ANSI ICC A117.1 Section 307.4 Vertical Clearance. Vertical clearance shall be 80 inches minimum. Rails or other barriers shall be provided where the vertical clearance is less than 80 inches. The leading edge of such rails or barrier shall be located 27 inches maximum above the floor.

Action required: Modify documents to demonstrate how this requirement will be met.

4. 2012 IPC 916.3 Vent installation below the fixture flood level rim. The vent located below the flood level rim of the fixture being vented shall be installed as required for drainage piping in accordance with Chapter 7, except for sizing. The vent shall be sized in accordance with Section 906.2. The lowest point of the island fixture vent shall connect full size to the drainage system. The connection shall be to a vertical drain pipe or to the top half of a horizontal drain pipe. Cleanouts shall be provided in the island fixture vent to permit rodding of all vent piping located below the flood level rim of the fixtures. Rodding in both directions shall be permitted through a cleanout.

Action required: Modify island fixture vent venting detail. Cleanout on vent side to either be above flood rim level or be bi-directional.

5. 2011 NEC Article 230.2 (E) Identification. Where a building or structure is supplied by more than one service, or any combination of branch circuits, feeders, and services, a permanent plaque or directory shall be installed at each service disconnect location denoting all other services, feeders, and branch circuits supplying that building or structure and the area served by each. See 225.37.

Action required: Modify documents to demonstrate how this requirement will be met.

#### **Fire Plan Review**

**Reviewed By: Brian Austerman**

**Approved with Conditions**

1. Elevator must be capable of accommodating a stretcher, NFPA 5000.54.3. Plans appear to show this, comment is for information only

2. Standpipes. IFC 905.3.1 has been amended locally to read: Class 1 standpipe systems shall be installed throughout buildings where the floor of the highest story is located more than two stories above the lowest level of fire department vehicle access.

Provide standpipes on each floor level in the stairwells.

3. 2012 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.

Provide sprinkler plans for approval

4. 2012 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 alarm plans for approval

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.

Call (816) 969-1300 to obtain a knox box application

6. [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.

Provide a gate on the stairway at the landing at ground level

6/10/14 RESOLVED. GROUND LEVEL IDENTIFICATION WILL BE POSTED IN THE STAIRWAY

7. 908.7 Carbon monoxide alarms.

Group I or R occupancies located in a building containing a fuel-burning appliance or in a building which has an attached garage shall be equipped with single-station carbon monoxide alarms. The carbon monoxide alarms shall be listed as complying with UL 2034 and be installed and maintained in accordance with NFPA 720 and the manufacturer's instructions. An open parking garage, as defined in Chapter 2 of the International Building Code, or an enclosed parking garage ventilated in accordance with Section 404 of the International Mechanical Code shall not be considered an attached garage.

Exception: Sleeping units or dwelling units which do not themselves contain a fuel-burning appliance or have an attached garage, but which are located in a building with a fuel-burning appliance or an attached garage, need not be equipped with single-station carbon monoxide alarms provided that:

1. The sleeping unit or dwelling unit is located more than one story above or below any story which contains a fuel-burning appliance or an attached garage;
2. The sleeping unit or dwelling unit is not connected by duct work or ventilation shafts to any room containing a fuel-burning appliance or to an attached garage; and
3. The building is equipped with a common area carbon monoxide alarm system.

Provide carbon monoxide alarms per the code above.

6/10/14 RESOLVED. CO DETECTION AND ALARM PLANS RECEIVED AND APPROVED FOR GARAGES AND COMMON AREAS

8. [B] 1006.1 Illumination required.

The means of egress, including the exit discharge, shall be illuminated at all times the building space served by the means of egress is occupied.

Exceptions:

1. Occupancies in Group U.

2. Aisle accessways in Group A.
3. Dwelling units and sleeping units in Groups R-1, R-2 and R-3.
4. Sleeping units of Group I occupancies.

Provide remote emergency egress illumination on the exterior of the exits

9. 2012 IFC 906.2 - General requirements. Portable fire extinguishers shall be selected, installed and maintained in accordance with this section and NFPA 10.

For information only

10. 607.4 Elevator key location.

Keys for the elevator car doors and fire-fighter service keys shall be kept in an approved location for immediate use by the fire department.

To be placed in the knox box

***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.***