



FIRE DEPARTMENT

PLAN REVIEW CONDITIONS

July 28, 2016

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

Permit No: PRCOM20161771
Project Title: SUMMIT SQUARE - BUILDING #7
Project Address: 825 NW DONOVAN RD, LEES SUMMIT, MO 64086
Parcel Number: 52900035400000000
Location: SUMMIT INNOVATION CENTER-2ND PLAT---LOT 7-A
Type of Work: NEW MULTI-FAMILY
Occupancy Group: RESIDENTIAL, MULTI-FAMILY
Description: NEW 4 STORY APARTMENT BUILDING

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

Fire Plan Review

Reviewed By: Joe Dir

Rejected

1. HAVE ALL FINAL DEVELOPMENT PLANS APPROVED PRIOR TO MOVING FORWARD WITH THE PROJECT.

2. 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. HAVE CONTRACTOR PROVIDE SHOP DRAWINGS FOR THE FIRE ALARM SYSTEM TO BE INSTALLED

3. 2012 IFC 408.11.2 - Tenant identification. Each occupied tenant space provided with a secondary exit to the exterior or exit corridor shall be provided with tenant identification by business name and/or address. Letters and numbers shall be posted on the corridor side of the door, be plainly legible and shall contrast with their background.

POST THE ADDRESSING OF ALL APARTMENTS IN THE CORRIDORS. LABEL ALL

ELECTRICAL ROOM DOORS, MECHANICAL ROOM DOORS, IT ROOM DOORS, FIRE
SPRINKLER ROOM DOORS, ELEVATOR MECHANICAL ROOM DOORS.
(VERIFIED AT INSPECTION)

4. 2012 IFC 501.4- Timing of installation. When fire apparatus access roads or a water supply for fire protection is required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction except when approved alternative methods of protection are provided. Temporary street signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles in accordance with Section 505.2.

PROVIDE TWO MEANS OF ACCESS TO THE CONSTRUCTION AREAS. (ROADWAYS
APPROVED THROUGH THE FDP'S) AND FIRE HYDRANTS PRIOR TO STARTING ANY
VERTICAL CONSTRUCTION OF BUILDINGS

5. 2012 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).

POST THE NUMERIC ADDRESS OF 825 ON ALL FOUR SIDES OF THE BUILDING IN A
CONTRASTING COLOR TO THE BACKGROUND AND READABLE FROM THE ROADWAY /
DRIVEWAY.

6. 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. MOUNT THE KNOX BOX ON THE EXTERIOR WALL OF THE BUILDING ABOVE THE FIRE
DEPARTMENT CONNECTION WITH TOP OF BOX APPROX. 6' OFF 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).

MOUNT THE KNOX BOX FOR THE ELEVATORS ON THE WALL NEXT TO THE ELEVATOR WITH TOP OF BOX APPROX. 6' OFF FINISH FLOOR.

7. 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.

HAVE CONTRACTOR PROVIDE SHOP DRAWINGS FOR THE FIRE SPRINKLER SYSTEM TO BE INSTALLED.

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.

FIELD AND ACCEPTANCE TESTING WILL BE REQUIRED FOR THE FIRE ALARM AND FIRE SPRINKLER SYSTEMS PRIOR TO THE FINAL OCCUPANCY INSPECTION. TO SCHEDULE TESTING CONTACT THE FIRE DEPARTMENT AT 816-969-1300

9. PROVIDE CIVIL PLANS TO SHOW THE LOCATIONS OF THE FIRE HYDRANTS

10. 903.3.7 FIRE DEPARTMENT CONNECTIONS. THE LOCATION OF THE FIRE DEPARTMENT CONNECTION SHALL BE APPROVED BY THE FIRE CODE OFFICIAL. CONNECTIONS SHALL BE A 4 INCH FITTING (INCLUDE A 30 DEGREE ELBOW) AND LOCATED WITHIN 100 FEET OF A FIRE HYDRANT OR AS APPROVED BY THE CODE OFFICIAL.

11. [B] 1008.1.9 Door operations.

Except as specifically permitted by this section egress doors shall be readily openable from the egress side without the use of a key or special knowledge or effort.

NO KEYED LOCKS ON THE EGRESS SIDE OF A MARKED EXIT.

[B] 1008.1.9.1 Hardware.

Door handles, pulls, latches, locks and other operating devices on doors required to be accessible by Chapter 11 of the International Building Code shall not require tight grasping, tight pinching or twisting of the wrist to operate.

12. LABEL THE STAIRWAYS AT EACH LANDING TO INDICATE EACH FLOOR LEVEL
(VERIFIED AT INSPECTION)

13. [B] 1008.1.9.11 Stairway doors.

Interior stairway means of egress doors shall be openable from both sides without the use of a key or special knowledge or effort.

Exceptions:

1. Stairway discharge doors shall be openable from the egress side and shall only be locked from the opposite side.

2. This section shall not apply to doors arranged in accordance with Section 403.5.3 of the International Building Code.

3. In stairways serving not more than four stories, doors are permitted to be locked from the side opposite the egress side, provided they are openable from the egress side and capable of being unlocked simultaneously without unlatching upon a signal from the fire command center, if present, or a signal by emergency personnel from a single location inside the main entrance to the building.

4. Stairway exit doors shall be openable from the egress side and shall only be locked from the opposite side in Group B, F, M and S occupancies where the only interior access to the tenant space is from a single exit stair where permitted in Section 1021.2.

5. Stairway exit doors shall be openable from the egress side and shall only be locked from the opposite side in Group R-2 occupancies where the only interior access to the dwelling unit is from a single exit stair where permitted in Section 1021.2.

[B] 1008.1.6 Landings at doors.

Landings shall have a width not less than the width of the stairway or the door, whichever is greater. Doors in the fully open position shall not reduce a required dimension by more than 7 inches (178 mm). When a landing serves an occupant load of 50 or more, doors in any position shall not reduce the landing to less than one-half its required width. Landings shall have a length measured in the direction of travel of not less than 44 inches (1118 mm).

14. PROVIDE AN ADDITIONAL EXTERIOR ACCESS DOOR FOR THE FIRE SPRINKLER ROOM.

15. 2012 IFC 906.2 - General requirements. Portable fire extinguishers shall be selected, installed and maintained in accordance with this section and NFPA 10.

PROVIDE 2A-10BC FIRE EXTINGUISHERS FOR ALL APARTMENTS AND CORRIDORS
(VERIFIED AT INSPECTION)

16. 2012 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.

MOUNT THE FIRE EXTINGUISHERS IN THE CORRIDORS BY THE STAIRWAY DOORS ON
EACH FLOOR LEVEL (VERIFIED AT INSPECTION)

MOUNT THE FIRE EXTINGUISHERS IN THE APARTMENTS IN A EASY ACCESSABLE
LOCATION. (VERIFIED AT INSPECTION)

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.