



PLAN REVIEW CONDITIONS

April 02, 2019

MISSOURI PACIFIC RAILROAD
PO BOX 1600
LEES SUMMIT, MO 64063--7600

Permit No: PRCOM20190679
Project Title: REECE NICHOLS 2
Project Address: 224 SE MAIN ST, LEES SUMMIT, MO 64063
Parcel Number: 61340300102000000
Location: RNG-31 TWP-49 SEC-06 BEG AT INTERSEC N LI 3RD ST & CARRIERS ELY LI TH SWLY ALG N LI
ST 70' TH NWLY 520 FT MOL TH NELY 70' TO E LI TH SELY 520' MOL TO POB BEING LAND
LEASED BY CITY
Type of Work: NEW COMMERCIAL
Occupancy Group: BUSINESS
Description: OFFICE BUILDING FOR REAL ESTATE BUSINESS

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

Building Plan Review

Reviewed By: Joe Frogge

Rejected

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. 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.

4. 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.

5. 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.

6. ASME A17.1-2000 2.2.4.2 - There shall be installed in the pit of each elevator, where the pit extends more than 900 mm (35 in.) below the sill of the pit access door, a fixed vertical ladder of noncombustible material, located within reach of the access door. The ladder shall extend not less than 1,200 mm (48 in.) above

Action required: Revise drawings to show pit ladder.

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. 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.

Action required: Vestibule walls within 10' of property line must be fire rated. Provide UL # and construction details.

9. 2012 IBC 703.2 Fire-resistance ratings. The fire-resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E 119 or UL 263 or in accordance with Section 703.3. Where materials, systems or devices that have not been tested as part of a fire-resistance-rated assembly are incorporated into the building element, component or assembly, sufficient data shall be made available to the building official to show that the required fire-resistance rating is not reduced. Materials and methods of construction used to protect joints and penetrations in fire resistance-rated building elements, components or assemblies shall not reduce the required fire-resistance rating.

Action required: Provide UL #s and construction details including all materials and attachments.

10. City of Lee's Summit Code of Ordinances Section 7-803. - Non-residential occupancies. The minimum required R-value for each element of the building thermal envelope shall be in accordance with the following:

Exception: The Building Official may approve a decreased R-Value for building exterior walls provided the

space is normally not occupied by employees and is associated with storage/warehouse or manufacturing.

A. Wall assemblies forming portions of a building envelope shall meet or exceed an R factor rating of 11. This requirement does not apply to doors, windows or other openings or approved penetrations nor does it apply to unfinished basement concrete walls.

B. Floor assemblies forming portions of a building envelope shall meet or exceed an R factor rating of 19. Exception: Concrete floors in contact with the earth need not be insulated.

C. Roof assemblies forming portions of a building envelope shall meet or exceed an R factor 19.

Action required: Provide verification that roof insulation is at least R-19.

11. 2012 IBC 602.2 – Types I and II. Types I and II construction are those types of construction in which the building elements listed in Table 601 are of noncombustible materials, except as permitted in Section 603 and elsewhere in this code.

Action required: Revise design to eliminate plywood from wall and parapet construction. (Are you sure you want this building to be a IIB? It can easily be built as a VB which would simplify future renovations.)

12. 2012 IMC 306.5 Equipment and appliances on roofs or elevated structures. Where equipment requiring access or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet above grade to access such equipment or appliances, an interior or exterior means of access shall be provided. Such access shall not require climbing over obstructions greater than 30 inches in height or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal. Such access shall not require the use of portable ladders. Where access involves climbing over parapet walls, the height shall be measured to the top of the parapet wall. Permanent ladders installed to provide the required access shall comply with the following minimum design criteria:

1. The side railing shall extend above the parapet or roof edge not less than 30"
(see code section for additional construction requirements)

Action required: Provide side rail extender at roof hatch.

13. 2012 IPC 403.1 – Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number shown in Table 403.1. types of occupancies not shown in Table 403.1 shall be considered individually by the code official. The number of occupants shall be determined by the International Building Code. Occupancy classification shall be determined in accordance with the International Building Code.

Action required: Provide mop sink.

14. 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.

15. 2012 IBC 713.4 Fire-Resistance rating. Shaft enclosures shall have a fire-resistance rating of not less than 2 hours where connecting four stories or more, and not less than 1 hour where connecting less than four stories. The number of stories connected by the shaft enclosure shall include any basements but not any mezzanines. Shaft enclosures shall be a fire-resistance rating not less than the floor assembly penetrated, but need not exceed 2 hours. Shaft enclosures shall meet the requirements of Section 703.2.1.

Action required: Exhaust duct shaft must be fire rated. (and possibly rated horizontal assemblies, depending on how this is accomplished.)

Fire Plan Review

Reviewed By: Joe Dir

Rejected

1. 2018 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:(information purposes)

Have the fire alarm system contractor provide three sets of PE stamped shop drawings of fire alarm system to be installed.

2. 2018 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.

ACTION REQUIRED:(verified at inspection)

All rooms, and offices shall be identified from the corridors by name, number or letter, readable from the corridors.

3. 2018 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.

ACTION REQUIRED:(verified at inspection)

knox box can be obtained online at knoxbox.com

The knox box shall be mounted on an exterior wall over or around the fire department connection approx. 5 feet off finish grade or pavement.

4. 2018 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:(information purposes)

Have the fire sprinkler system contractor provide three sets of PE stamped shop drawings of the fire sprinkler system to be installed.

5. 2018 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)

All field tests and acceptance testing of the fire sprinkler and fire alarm systems shall be completed prior to the final occupancy inspection. Contact the fire department to schedule testing. (816)969-1300

6. 2018 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 a minimum of one 2A-10BC fire extinguisher for every 3,000 square feet of useable space on each level. Extinguishers are to mounted on walls on normal paths of travel close to exits.

7. Elevator cetrification

ACTION REQUIRED:(verified at inspection)

The elevator shall be certified by the State of Missouri before public use. Documents shall be on site.

8. 2018 IFC (B) 1023.9 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 (1524mm) above the floor landing in a position that is readily visible when the doors are in the open an dclosed positions. In addition to the stairway identification sign, a floor-level sign in raised characters and Braille complying with the ICC A1 17.1 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.

ACTION REQUIRED:(verified at inspection)

Each floor level in and outside of each stairway shall be indentified.

9. 2018 IFC 506.1.2 Key boxes for non-standardized fire service elevator keys. Key boxes provided for non-standardized fire service elevator keys shall comply with Section 506.1 and 506.2 or as approved by the fire code official.

ACTION REQUIRED:(Verified at inspection)

Knox box elevator key box can be obtained at knoxbox.com

The key box shall be mounted in the ground floor lobby to the right of the elevator approx 5 feet off finish floor.

10. 2018 IFC 907.3.1 Duct smoke detectors. Smoke detectors installed in ducts shall be listed for the air velocity, temperature and humidity present in the duct. Duct smoke detectors shall be connected to the building's fire alarm control unit when a fire alarm system is required by Section 907.2. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location and shall perform the intended fire safety function in accordance with theis code and the International Mechanical Code. Duct smoke detectors shall not be used as a substitute for required open area detection.

ACTION REQUIRED: (information purpoes)

Duct detection if installed shall be monitored by the buildings fire alarm system.

11. 2018 IFC 1010.1.10 Panic and fire exit hardware. Doors serving a Group H occupancy and doors serving rooms or spaces with an occupant load of 50 or more in a Group A or E occupancy shall not be provided with a latch or lock unless it is a panic hardware or fire exit hardware.

ACTION REQUIRED:(verified at inspection)

Provide panic hardware or exit doors.

12. 2018 IFC 1008.1 Illumination required. The means of egress, shall be illuminated at all times the building space served by the means of egress is occupied.

ACTION REQUIRED:(veriified at inspection)

Provide exterior emergency lighting at all exit discharges.

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.