



### **PLAN REVIEW CONDITIONS**

March 19, 2020

SAPP DESIGN ARCHITECTS  
3750 S FREMONT  
SPRINGFIELD, MO 65804

Permit No: PRCOM20200445  
Project Title: MID-CONTINENT PUBLIC LIBRARY - COLBERN ROAD  
Project Address: 1000 NE COLBERN RD, LEES SUMMIT, MO 64064  
Parcel Number: 52500011300000000  
Location: RICE ACRES LOT 1  
Type of Work: NEW COMMERCIAL  
Occupancy Group: ASSEMBLY FOR OUTDOOR ACTIVITIES INCL. STADIUMS, GRANDSTAND, AMUSEMENT PARKS  
Description: NEW LIBRARY

***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: Michael Weissenbach**

**Approved with Conditions**

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)

Provide three sets of PE stamped shop drawings for the fire alarm system.

2. 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.

(Verified At Inspection)

Order a Knox box at [knoxbox.com](http://knoxbox.com) for the exterior of the building.

3. 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)

Provide three sets of PE stamped shop drawings for the fire sprinkler system.

4. 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.

(Informational Purposes)

Call (816)969-1300 to schedule testing.

#### **Building Plan Review**

**Reviewed By: Joe Frogge**

**Pending**

1. The building permit for this project cannot be issued until the Development Services Department has received, approved, and processed the Final Development Plan.

Action required: Comment is for informational purposes.

2. All plans submitted for review on or after April 1, 2019 shall be designed to the requirements of the 2018 International Building Code, 2018 International Mechanical Code, 2018 International Plumbing Code, 2018 International Fuel Gas Code, 2018 International Fire Code, 2017 National Electric Code and the ICC/ANSI A117.1-2017 as amended and adopted by the City of Lee's Summit.

Action required: Update code analysis to show correct code adoption years.

3. 2018 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.

4. Existing building to be demolished prior to start of this project.

Action required: Demolition permit will be required.

5. For the Health Department review contact Deb Sees with the Jackson County Public Works Department, Environmental Services Division, at (816) 847-7070. Health Department approval is required prior to receiving any type of building permit from the City of Lee's Summit.

Action required: Comment is for informational purposes.

6. For the Health Department inspection contact Deb Sees with the Jackson County Public Works Department, Environmental Health Division at (816) 847-7070. Health Department approval is required

prior to receiving any type of Occupancy from the City of Lee's Summit.

Action required: Comment is for informational purposes.

7. ICC A117.1 Section 305.3 Size. 305.3.1 New Buildings and facilities. In new buildings and facilities the clear floor space shall be 52 inches minimum in length and 30 inches minimum in width. 305.3. Existing Buildings and facilities. In existing buildings and facilities the clear floor space shall be 48 inches minimum in length and 30 inches minimum in width.

Action required: Update accessibility plan to show increased floor space requirement.

8. 2018 IBC 1010.1.2 Door swing. Egress doors shall be of the pivoted or side-hinged swinging type.

Exceptions: (See code for exceptions.)

2018 IBC 1010.1.2.1 Direction of swing. Pivot or side-hinged swinging doors shall swing in the direction of egress travel where serving a room or area containing an occupant load of 50 or more persons or a Group H occupancy.

Actions required:

- Clarify use and occupant load of Staff Area 137. Sliding doors are only allowed with occupant load of 10 or less. Furniture conflicts with 1/150 loading. If sliding doors are actually to be used as "movable partitions" they would have to be labelled as such.

- Clarify use of center hinged pivoting doors. If they are only to be used as "movable partitions" they would have to be labelled as such.

9. 2018 IBC 603.1 Allowable Materials. Combustible materials shall be permitted in buildings of Type I or II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3: (see code for specific examples and exceptions)

Action required: Wood (including sheathing) is not allowed in parapet or roof construction unless fire-retardant-treated.

10. 2018 IMC 606.2.1 Return air systems. Smoke detectors shall be installed in return air systems with a design capacity greater than 2,000 cfm, in the return air duct or plenum upstream of any filters, exhaust air connections, outdoor air connections, or decontamination equipment and appliances.

Exception: Smoke detectors are not required in the return air system where all portions of the building served by the air distribution system are protected by area smoke detectors connected to a fire alarm system in accordance with the International Fire Code. The area smoke detection system shall comply with Section 606.4.

Action required: Provide duct smoke detectors where required.

11. 2017 NEC Article 110.26 (C) (2) Large Equipment. For equipment rated 1200 amperes or more and over 6 feet wide that contains overcurrent devices, switching devices, or control devices, there shall be one entrance to and egress from the required working space not less than 24" wide and 6'6" high at each end to the working space.

A single entrance to and egress from the required working space shall be permitted where either of the conditions in 110.26(C)(2)(a) or (C)(2)(b) is met.

(a) Unobstructed Egress. Where the location permits a continuous and unobstructed way of egress travel, a single entrance to the working space shall be permitted.

(b) Extra Working Space. Where the depth of the working space is twice that required by 110.26(A)(1), a single entrance shall be permitted. It shall be located such that the distance from the equipment to the nearest edge of the entrance is not less than the minimum clear distance specified in Table 110.26(A)(1) for equipment operating at that voltage and in that condition.

110.26 (C)(3) Personnel Doors. Where equipment rated 800 A or more that contains overcurrent devices, switching devices, or control devices is installed and there is a personnel door(s) intended for entrance to and egress from the working space less than 25 feet from the nearest edge of the working space, the door(s) shall open in the direction of egress and be equipped with panic hardware.

Action required: Doors serving Receiving Room #117 are to swing in direction of egress and be equipped with panic hardware.

12. Irrigation system (as shown in FDP) is not reflected in MEP design.

Action required: Coordinate designs and resolve any conflicts.

***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.***