



### **PLAN REVIEW CONDITIONS**

June 25, 2019

SCHARHAG ARCHITECTS  
6247 BROOKSIDE BLVD STE 204  
KANSAS CITY, MO 64113

Permit No: PRCOM20191373  
Project Title: DUSTY DAHMER BUILDING  
Project Address: 207 SW MARKET ST, LEES SUMMIT, MO 64063  
Parcel Number: 61340223700000000  
Location: DAHMER DEVELOPMENT LOTS 1-3---LOT 1 & W 1/2 VAC ALLEY E OF & ADJ  
Type of Work: NEW COMMERCIAL  
Occupancy Group: MIXED OCCUPANCY  
Description: NEW TWO STORY BUILDING - MERCANTILE BELOW - RESIDENTIAL ABOVE

***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 3 sets of engineered stamped shop drawings.

2. 2018 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).

(Verified at Inspection)

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.

(Verified At Inspection)

Order a Knox Box from [Knoxbox.com](http://Knoxbox.com). Placement will be made by FDC.

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)

Provide 3 sets of engineered stamped shop drawings.

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.

(Informational Purposes)

Call 969-1300 to schedule testing. Life-safety must be met before a final can be scheduled.

6. 2018 IFC 903.4.2- Alarms. Approved audible and visual devices shall be connected to every automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Listed alarm notification devices shall be provided on the exterior and interior of the building in an approved location. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

(Informational purposes)

7. 2018 IFC 904.4.2- Alarm testing. Notification appliances, connections to fire alarm systems, and connections to approved supervising stations shall be tested in accordance with this section and Section 907 to verify proper operation.

(Informational purposes)

8. 2018 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.

(Verified at inspection)

9. 2018 IFC 1010.1.9 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.

(Verified At Inspection)

**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. Title on drawings does not match other submissions.

Action required: Provide title of building for future tracking. The other building on this lot was titled Reece Nichols 2. Will this be Reece Nichols 1?

3. 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.

4. 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 ANSI A117.1-2017 as amended and adopted by the City of Lee's Summit.

Action required: Update code references.

5. 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.

Action required: Update code analysis to show lower level as Mercantile and change occupant load accordingly.

6. Unified Development Ordinance Article 8, Section 8.180.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: Comment is for informational purposes. To be field verified.

7. ICC A117.1-2017 Section 304.3 Size. Turning spaces shall comply with Section 304.3.1 or 304.3.2.  
304.3.1 Circular Space.

304.3.1.1 New Buildings and facilities. In new buildings and facilities, the turning space shall be a circular space with a 67-inch minimum diameter. (see code for information regarding allowed overlapping)

Action required: Revise drawing to show that lower level restrooms will have 67" diameter turning spaces.

8. 2018 IBC 1015.6 Mechanical equipment, systems and devices. Guards shall be provided where various components that require service are located within 10 feet of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches above the floor, roof or grade below. The guard shall extend not less than 30 inches beyond each end of such components. The guard shall be constructed so as to prevent the passage of a sphere 21 inches in diameter.

2018 IBC 1015.7 Roof access. Guards shall be provided where the roof hatch opening is located within 10 feet of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches above the floor, roof or grade below. The guard shall be constructed so as to prevent the passage of a sphere 21 inches in diameter. (see code for exception)

Action required: Provide minimum 42" high guards at roof edge near condensing units and roof hatch.

9. 2018 IBC 1003.6 Means of egress continuity. The path of egress travel along a means of egress shall not be interrupted by any building element other than a means of egress component as specified in this chapter. Obstructions shall not be placed in the minimum width or required capacity of a means of egress component except projections permitted by this chapter. The minimum width or required capacity of a means of egress system shall not be diminished along the path of egress travel.

Action required: Provide fire rating at wall between west apartment and corridor.

10. Fire rated wall is drawn in such a way that it will be broken/disrupted by non-rated wall.

Action required: Revise drawings to show that fire rated partition will be continuous. (see 2nd floor at intersection of kitchens, entry, and corridor.

11. Pre-engineered canopy designs not provided.

Action required: Provide canopy designs or request deferral.

12. 2018 IMC 306.1 Access. Appliances, control devices, heat exchangers and HVAC system components that utilize energy shall be accessible for inspection, service, repair and replacement without disabling the function of a fire-resistance-rated assembly or removing permanent construction, other appliances, venting systems or any other piping or ducts not connected to the appliance being inspected, serviced, repaired or replaced. A level working space at least 30 inches deep and 30 inches wide (762 mm by 762 mm) shall be provided in front of the control side to service an appliance.

Action required: Provide maintenance clearance at furnaces.

13. 2018 IMC 403.2 Outdoor air required. The minimum outdoor airflow rate shall be determined in accordance with Section 403.3. (see code for exception)

Action required: Revise drawings to show outside air calculations as well as method of delivery for apartment furnaces.

14. Return air not shown in bedrooms.

Action required: Provide return or transfer air from bedrooms.

15. 2018 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: Provide cleanout at both sides of loop vent.

16. 2017 NEC Article 250.50 Grounding Electrode System. All Grounding electrodes as described in 250.52(A)(1) through (A)(7) that are present at each building or structure served shall be bonded together to form the grounding electrodes system. Where none of these grounding electrodes exist, one or more of the grounding electrodes specified in 250.52(A)(4) through (A)(8) shall be installed and used. (see code

section for exception)

Action required: Update riser diagram to show grounding to all available sources including building steel.

***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.***