



PLAN REVIEW CONDITIONS

March 15, 2017

THE HOLLIS & MILLER GROUP
220 NW EXECUTIVE WAY
LEES SUMMIT, MO 64063

Permit No: PRCOM20170618
Project Title: B&B THEATRES NEW LONGVIEW 7
Project Address: 3201 SW FASCINATION DR, LEES SUMMIT, MO 64081
Parcel Number: 62420290200000000
Location:
Type of Work: NEW COMMERCIAL
Occupancy Group:
Description: NEW 7 SCREEN FULL SERVICE MOVIE THEATER WITH FOOD SERVICE

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

Rejected

18. 2012 IBC 1004.3 - Posting of occupant load. Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent.

Action required: Post maximum occupant loads in all assembly areas.

17. 2011 NEC 210.8 (B) Other Than Dwelling Units. All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the locations specified in 210.8(B)(1) through (8) shall have ground-fault circuit-interrupter protection for personnel.

- (1) Bathrooms
 - (2) Kitchens
 - (3) Rooftops
 - (4) Outdoors
 - (5) Sinks - where receptacles are installed within 6 feet of the outside edge of the sink.
 - (6) Indoor wet locations
 - (7) Locker rooms with associated showering facilities
 - (8) Garages, service bays, and similar areas where electrical diagnostic equipment, electrical hand tools, or portable lighting equipment are to be used.
- (refer to code for exceptions)

Action required: Modify drawings to show that all receptacles in kitchen as well as within 6' of a sink (bar area) will by GFCI protected.

16. 2012 IBC Exit Signs 1011.1 Where Required. Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. The path of egress travel to exits and within exits shall be marked by readily visible exit signs to clearly indicate the direction of egress travel in cases where the exit of the path of egress travel is not immediately visible to the occupants. Intervening means of egress doors within exits shall be marked by exit signs. Exit sign placement shall be such that no point in an exit access corridor or exit passageway is more than 100 feet or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign. (see code section for exceptions)

Action required: Provide exit sign at door 05b on south side of Auditorium 05.

15. 2012 IPC 708.3.1 Horizontal drains within buildings. All horizontal drains shall be provided with cleanouts located not more than 100 feet apart.

Action required: Provide additional cleanouts to comply. To include, but not be limited to, end of line in Mechanical Room 118, every 100' horizontal, and at the ends of water closet banks.

14. 2012 IMC 506.5.3 Exhaust fan mounting. An upblast fan shall be hinged and supplied with a flexible weatherproof electrical cable to permit inspection and cleaning. The ductwork shall extend a minimum of 18 inches above the roof surface.

Action required: Modify grease hood fan detail to show hinge and flexible conduit.

13. 2012 IBC 1013.6 Mechanical equipment. Guards shall be provided where appliances, equipment, fans, roof hatch openings or other 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 be constructed so as to prevent the passage of a sphere 21 inches in diameter. The guard shall extend not less than 30 inches beyond each end of such appliance, equipment, fan, or component.

Action required: Either relocate condensing unit CU-2 or provide guard rail at edge or roof.

12. 2012 IBC 803.9 Interior finish requirements based on group. Interior wall and ceiling finish shall have a flame spread index not greater than that specified in Table 803.9 for the group and location designated. Interior wall and ceiling finish materials tested in accordance with NFPA 286 and meeting the acceptance criteria of Section 803.1.2.1 shall be permitted to be used where a Class A Classification in accordance with ASTM E 84 or UL 723 is required.

Action required: Provide verification that wall cover fabrics are minimum Class 'C'.

11. 2012 IBC 1210.3.2 – Urinal partitions. Each urinal utilized by the public or employees shall occupy a separate area with walls or partitions to provide privacy. The walls or partitions shall begin at a height not more than 12 inches from and extend not less than 60 inches above the finished floor surface. The walls or partitions shall extend from the wall surface at each side of the urinal not less than 18 inches or to a point not less than 6 inches beyond the outermost front lip of the urinal measured from the finished backwall surface, whichever is greater. (See code section for possible exceptions.)

Action required: Modify documents to reflect minimum 60" partition heights.

10. Unified Development Ordinance Article 7, Section 7.180.E - Commercial businesses located along existing public streets shall be subject to the following design standards: a. buildings shall be designed

with four (4) sided architecture, the same level of finish on all sides (no "back"); b. rooftop or ground-level mechanical equipment shall be totally screened from view by using either parapet walls at the same height of the mechanical units for rooftop mounts or by providing screening for ground mounted units acceptable to the Director; c. Wherever possible, parking areas and pedestrian walks shall connect internally to parking areas and pedestrian walks of existing adjoining businesses. Provisions shall be made for future connections to adjoining property not yet developed or redeveloped.

Action required: Make needed corrections to drawings that provide details as to how mechanical equipment will be screened per referenced UDO section.

9. 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: All wood blocking and plywood sheathing/blocking/decking to be fire-retardant-treated. Update relevant details.

8. 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: Modify hatch details to specify railing extension.

7. ICC A117.1-2009 Section 404.2.3.2 Swinging Doors. Swinging doors shall have maneuvering clearances complying with Table 404.2.3.2.

Action required: Modify design to provide minimum 18" at latch side of doors 05a, 06a, and 07a.

6. 2012 IBC 1028.11.3 Tread contrasting marking stripe. A contrasting marking stripe shall be provided on each tread at the nosing or leading edge such that the location of each tread is readily apparent when viewed in decent. Such stripe shall be a minimum of 1 inch, and a maximum of 2 inches wide. (see code for exception)

Action required: Modify finish plan to show contrasting marking stripes at stair treads in auditoriums.

5. 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.

4. 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.

3. 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.

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.

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.

Fire Plan Review

Reviewed By: Joe Dir

Rejected

1. Exit sign:

[B] 1011.1 Where required.

Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. The path of egress travel to exits and within exits shall be marked by readily visible exit signs to clearly indicate the direction of egress travel in cases where the exit or the path of egress travel is not immediately visible to the occupants. Intervening means of egress doors within exits shall be marked by exit signs. Exit sign placement shall be such that no point in an exit access corridor or exit passageway is more than 100 feet (30 480 mm) or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign.

ACTION REQUIRED:

Provide an additional exit sign in auditorium #5

2. 2012 IFC 1004.3- Posting of occupant load. Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent.

ACTION REQUIRED:

Post the occupant load in each auditorium.

(verified at inspection)

3. 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.

ACTION REQUIRED:

Have the fire alarm system contractor provide engineered shop drawings of the fire alarm system to be installed.

(information purposes)

4. 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).

ACTION REQUIRED:

Post the numeric address of 3201 on the exterior of the building in a contrasting color to the background. Address shall be visible from the roadway (Fascination Dr.) (verified at inspection).

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.

ACTION REQUIRED:

Provide a security Knox Box. A Knox Box can be obtained on line at, knoxbox.com
The knox box is to be mounted approximately 5-6 feet above finish grade above the fire department connection. (verified at inspection)

6. 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.

ACTION REQUIRED:

Have the fire sprinkler system contractor provide engineered shop drawings of the fire sprinkler system to be installed. (information purposes)

7. 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.

ACTION REQUIRED:

Field tests and acceptance testing of the fire alarm, fire sprinkler and type-1 hood systems shall be required prior to the final occupancy inspection. To schedule a test contact the fire department at 816-969-1300. (information purposes)

8. 2012 IFC 904.11.5- Portable fire extinguishers for commercial cooking equipment. Portable fire extinguishers shall be provided within a 30-foot (9144 mm) travel distance of commercial-type cooking equipment. Cooking equipment involving vegetable or animal oils and fats shall be protected by a Class K rated portable extinguisher.

ACTION REQUIRED):

Provide a K-class fire extinguisher for the kitchen area.

904.11.5 Portable fire extinguishers for commercial cooking equipment.

Portable fire extinguishers shall be provided within a 30-foot (9144 mm) travel distance of commercial-type cooking equipment. Cooking equipment involving solid fuels or vegetable or animal oils and fats shall be protected by a Class K rated portable extinguisher in accordance with Section 904.11.5.1 or 904.11.5.2, as applicable. (verified at inspection)

9. 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.

ACTION REQUIRED:

Mount dry chemical fire extinguishers according to the plans. (verified at inspection)

10. DOOR HARDWARE:

Provide additional information on all of the exit door hardware.

11. Door locks:

[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.

[B] 1008.1.10 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 panic hardware or fire exit hardware.

12. Illumination level:

ACTION REQUIRED:

Illumination required at all times at floor level on the ramps and stairs in the auditoriums.

[B] 1006.2 Illumination level.

The means of egress illumination level shall not be less than 1 footcandle (11 lux) at the walking surface.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances to not less than 0.2 footcandle (2.15 lux), provided that the required illumination is automatically restored upon activation of a premises' fire alarm system where such system is provided.

13. Area of refuge / assisted rescue:

ACTION REQUIRED:

[B] 1007.9 Signage.

Signage indicating special accessibility provisions shall be provided as shown:

1. Each door providing access to an area of refuge from an adjacent floor area shall be identified by a sign stating: AREA OF REFUGE.

2. Each door providing access to an exterior area for assisted rescue shall be identified by a sign stating: EXTERIOR AREA FOR ASSISTED RESCUE.

Signage shall comply with the ICC A117.1 requirements for visual characters and include the International Symbol of Accessibility. Where exit sign illumination is required by Section 1011.3, the signs shall be illuminated. Additionally, raised character and Braille signage complying with ICC A117.1 shall be located at each door to an area of refuge and exterior area for assisted rescue in accordance with Section 1011.4.

14. Type One hood system:

ACTION REQUIRED:

Provide manufacturers specs on the Type-1 hood and the suppression system to be installed.

15. HVAC/ AHU duct detection.

ACTION REQUIRED:

907.2.13.1.2 Duct smoke detection.

Duct smoke detectors complying with Section 907.3.1 shall be located as follows:

1. In the main return air and exhaust air plenum of each air-conditioning system having a capacity greater than 2,000 cubic feet per minute (cfm) (0.94 m³/s). Such detectors shall be located in a serviceable area downstream of the last duct inlet.

2. At each connection to a vertical duct or riser serving two or more stories from a return air duct or plenum of an air-conditioning system. In Group R-1 and R-2 occupancies, a smoke detector is allowed to be used in each return air riser carrying not more than 5,000 cfm (2.4 m³/s) and serving not more than 10 air-inlet openings.

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 this code and the International Mechanical Code. Duct smoke detectors shall not be used as a substitute for required open area detection.

Exceptions:

1. The supervisory signal at a constantly attended location is not required where duct smoke detectors activate the building's alarm notification appliances.

2. In occupancies not required to be equipped with a fire alarm system, actuation of a smoke detector shall activate a visible and an audible signal in an approved location. Smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble.

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.