

**CODES ADMINISTRATION**

**PLAN REVIEW CONDITIONS**

July 13, 2017

CAPITAL CONSTRUCTION SERVICES LLC  
2642 NE HAGAN RD  
LEES SUMMIT, MO 64064

Permit No: PRCOM20170784  
Project Title: CONTROL SERVICE COMPANY  
Project Address: 3621 NE AKIN DR, LEES SUMMIT, MO 64064  
Parcel Number: 43810040700000000  
Location: CHAPEL RIDGE BUSINESS PARK LOTS 15B & 15C---LOT 15B  
Type of Work: NEW COMMERCIAL  
Occupancy Group: BUSINESS  
Description: NEW OFFICE BUILDING WITH SOME STORAGE

***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

**Fire Plan Review**

**Reviewed By: Joe Dir**

**Approved with Conditions**

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.

**ACTION REQUIRED:** (acknowledged)

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

3. 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:** (acknowledged)

Post the numeric address of 3621 on the building in a contrasting color to the background. Address shall be viewable from the roadway. (verified at inspection)

4. 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: (acknowledged)

A knox box can be obtained on line at [knoxbox.com](http://knoxbox.com)

The box shall be mounted above the fire department connection approximately 5-6 feet off finish grade. (verified at inspection)

5. 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: (acknowledged)

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

6. 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: (acknowledged)

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

7. 2012 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 and mount fire extinguishers according to plan sheet A2.1. The minimum sizing of the fire extinguishers is 2A-10BC (5 pound)

8. ACTION REQUIRED:

Provide a lighting plan showing emergency and exit lighting.

9. ACTION REQUIRED:

Provide a door and door hardware schedule.

10. ACTION REQUIRED:

Provide HVAC/ AHU schedule.

11. Soiled pile and shelf storage

ACTION REQUIRED: (information purposes)

3207.3 Pile dimension and height limitations.

Pile dimensions, the maximum permissible storage height and pile volume shall be in accordance with Table 3206.2.

12. controlled access doors

ACTION REQUIRED:(verified at testing)

[B] 1008.1.9.8 Access-controlled egress doors.

The entrance doors in a means of egress in buildings with an occupancy in Groups A, B, E, I-2, M, R-1 or R-2, and entrance doors to tenant spaces in occupancies in Groups A, B, E, I-2, M, R-1 or R-2, are permitted to be equipped with an approved entrance and egress access control system, listed in accordance with UL 294, which shall be installed in accordance with all of the following criteria:

1. A sensor shall be provided on the egress side arranged to detect an occupant approaching the doors. The doors

shall be arranged to unlock by a signal from or loss of power to the sensor.

2. Loss of power to that part of the access control system which locks the doors shall automatically unlock the doors.
3. The doors shall be arranged to unlock from a manual unlocking device located 40 inches to 48 inches (1016 mm to 1219 mm) vertically above the floor and within 5 feet (1524 mm) of the secured doors. Ready access shall be provided to the manual unlocking device and the device shall be clearly identified by a sign that reads "PUSH TO EXIT." When operated, the manual unlocking device shall result in direct interruption of power to the lock—independent of the access control system electronics—and the doors shall remain unlocked for a minimum of 30 seconds.
4. Activation of the building fire alarm system, if provided, shall automatically unlock the doors, and the doors shall remain unlocked until the fire alarm system has been reset.
5. Activation of the building automatic sprinkler or fire detection system, if provided, shall automatically unlock the doors. The doors shall remain unlocked until the fire alarm system has been reset.
6. Entrance doors in buildings with an occupancy in Group A, B, E or M shall not be secured from the egress side during periods that the building is open to the general public.

[B] 1008.1.9.9 Electromagnetically locked egress doors.

Doors in the means of egress in buildings with an occupancy in Group A, B, E, M, R-1 or R-2, and doors to tenant spaces in Group A, B, E, M, R-1 or R-2, shall be permitted to be electromagnetically locked if equipped with listed hardware that incorporates a built-in switch and meet the requirements below:

1. The listed hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.
2. The listed hardware is capable of being operated with one hand.
3. Operation of the listed hardware directly interrupts the power to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the listed hardware automatically unlocks the door.
5. Where panic or fire exit hardware is required by Section 1008.1.10, operation of the listed panic or fire exit hardware also releases the electromagnetic lock.

13. Door operations

ACTION REQUIRED: No keyed locks on the egress side of an exit (verified at inspection)

[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.

**Building Plan Review**

**Reviewed By: Joe Frogge**

**Approved with Conditions**

6. 2012 IBC 1809.5 Frost protection. Except where otherwise protected from frost, foundations and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:

1. Extending below the frost line of the locality;
2. Constructing in accordance with ASCE 32; or
3. Erecting on solid rock.

(see code section for exceptions)

Shallow foundations shall not bear on frozen soil unless such frozen condition is of a permanent character.

Action required: Revise detail 2/S3.2 to show bottom of footing at least 36" deep.  
4/21/17 - clarified in letter - to be field verified

**Licensed Contractors**

**Reviewed By: Joe Frogge**

**Approved**

- ☒ Approved to issue per the listed conditions.  
☐ Do not issue per the listed conditions.  
☐ Approved to construct foundation only per the listed conditions.  
☐ Requires Final Development Plan approval prior to issuing this building permit.

The applicant agrees to incorporate the aforementioned requirements into the project to conform to applicable City Codes and Ordinances.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Applicant Name

\_\_\_\_\_  
CompanyName

***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.***