

Date: Monday December 2nd , 2024

To: Joe Frogge

From: Chris Krumrei

Re:

Permit No: PRCOM20245783

Project Title: LEE'S SUMMIT JOINT OPERATIONS FACILITY

Project Address: 2 NE TUDOR RD, LEES SUMMIT, MO 64086

Parcel Number: 52900043700000000

Location / Legal Description: NEW LEES SUMMIT POLICE & COURT FACILITY---LOT 1A (EX THAT PT TAKEN FOR ROW)

Type of Work: NEW COMMERCIAL

Occupancy Group: BUSINESS

Description: JOINT OPERATIONS FACILITY - NEW FIRE DISPATCH, ADMIN, FIRE TRAINING, AND EMERGENCY OPERATIONS CENTER

Licensed Contractors Reviewed By: Joe Frogge Rejected

1. Lee's Summit Code of Ordinance, Section 7-130.10 - Business License. It shall be unlawful for any person to engage in the construction contracting business without first obtaining a business license as required under the applicable provisions of Chapter 28 of the Lee's Summit Code of Ordinances.
 - a. Action required: Provide the name, email address & phone number for the on-site contact.
 - a. [Response:](#)
[General Contractor](#)
Titan Built, LLC.
8207 Melrose Drive, Suite 200
Lenexa, KS 66214
[Business License LC23210283](#)
[Onsite contact](#)
Keith Williams

kwilliams@titanbuilt.com

913-439-8638

2. Lee's Summit Code of Ordinance, Section 7-130.4 - Business License. (excerpt) No person, other than a licensed contractor or employees of a licensed contractor, shall engage in electrical, plumbing or mechanical business, construction, installation or maintenance unless duly licensed in accordance with this section.
 - a. Action required: MEP subcontractors are required to be listed on permit. Provide company names of licensed MEP contractors.
 - b. **Response:** These trade partners are not yet on the project team. Per the City of Lee's Summit contract requirements, we have an open bidding process that will be completed Dec 10th. We will provide contact information for the MEP partners at that time.

Building Plan Review Reviewed By: Joe Frogge Rejected

1. The building permit for this project cannot be issued until the Development Services Department has received, approved, and processed the Final Development Plan.
 - a. Action required: Comment is informational.
 - b. **Response:** Acknowledged
2. 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)
 - a. Action required: Provide statement of special inspections / letter of responsibility from company contracted to perform special inspections.
 - b. **Response:** Sharon Bloom with the city of Lee's Summit is coordinating and will provide a letter of responsibility.
3. 2014 ICC/NSSA Section 106.1.1 Peer Review. A peer review by an independent registered design professional for compliance with the requirements of Chapters 3, 5, 6 and 7 shall be conducted for the following storm shelter types:
 - i. 1. Community shelters with an occupant load greater than 50.
 - ii. 2. Storm shelters in elementary schools, secondary schools, and day care facilities with an occupant load greater than 16.
 - iii. 3. Storm shelters in Risk Category IV (essential facilities) as defined in Table 1604.5 in the International Building Code.
 - iv. Action required: Provide peer review of storm shelter.

- b. [Response: Peer review profession is being procured by Sharon Bloom with the city of Lee's Summit.](#)
- 4. This review is for both the operations facility and vehicle building. A separate permit for vehicle building will be created at a later date.
 - a. Action required: Comment is informational.
 - b. [Response: Acknowledged](#)
- 5. The project cost, which is used to establish the permit fee, has not been provided.
 - a. Action required: Provide separate cost valuations for operations facility and vehicle building.
 - b. [Response:](#)
[Vehicle Building =\\$764,000](#)
[Operations Facility=\\$25,304,000](#)
- 6. 1007.1.1 Two exits or exit access doorways. Where two exits, exit access doorways, exit access stairways or ramps, or any combination thereof, are required from any portion of the exit access, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between them. Interlocking or scissor stairways shall be counted as one exit stairway. (See code for exceptions) **From Commentary: "The need for exits from a space or story to be independent of each other cannot be overstated. Each occupant of each floor must be provided with the required number of exits without having to pass through one exit to gain access to another. Each exit is required to be independent of other exits to prohibit such areas from merging downstream and becoming, in effect, one exit."
 - a. Action required: Given that the 2 exits lead to same exterior space you will need to provide an additional exit out of main level Training room.
 - b. [Response: Exit discharge will be modified in addendum #4](#)
- 7. 2018 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.
 - a. Action required: Provide soils report to justify design assumption of soil bearing capacity greater than 2,000psf. (12,000psf cited on S-000)
 - b. [Response: Geotechnical report is apart of project manual re. LSJOF-003132-GeotechnicalData](#)

8. 2018 IPC 403.2 Separate Facilities. (As amended by Lee's Summit Code of Ordinances Section 7-405). Where plumbing fixtures are required, separate facilities shall be provided for each sex.
 - a. Exceptions:
 - i. 1. Separate facilities shall not be required for dwelling units and sleeping units.
 - ii. 2. Separate facilities shall not be required in structures or tenant spaces with a total occupant load, including both employees and customers, of 15 or fewer.
 - iii. 3. Separate facilities shall not be required in mercantile occupancies in which the maximum occupant load is 100 or fewer.
 - iv. 4. Separate facilities shall not be required in business occupancies in which the maximum occupant load is 25 or fewer.
 - b. Action required: Either label restrooms per gender or submit for Code Modification Request to use more modern code adoption years.
 - c. [Response: Code Modification request to be submitted.](#)
9. 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.
 - a. Action required: Clarify use of A3 category. I would call this entire thing a B but am open to interpretations.
 - b. [Response: A-3 is used to provide more flexibility with the assembly and storage functions of the building.](#)
10. 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.
 - a. Action required: Comment is informational.
 - b. [Response: Acknowledged](#)
11. 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.
 - a. Action required: Comment is informational.
 - b. [Response: Acknowledged](#)
12. 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.

- a. Action required: Comment is informational.
 - b. [Response: Acknowledged](#)
- 13. ICC A117.1 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) 304.3.1.2 Existing buildings and facilities. In existing buildings and facilities, the turning space shall be a circular space with a 60-inch minimum diameter. (see code for information regarding allowed overlapping)
 - a. Action required: Provide enough room in ADA Shower for a turning space.
 - b. [Response: 60" turning space is provided in drying area of both shower rooms.](#)
- 14. 2018 IPC 604.8 Water Pressure reducing valve or regulator. Where water pressure within a building exceeds 80 psi static, an approved water-pressure reducing valve conforming to ASSE 1003 or CSA B356 with strainer shall be installed to reduce the pressure in the building water distribution piping to not greater than 80 psi static.
 - a. Action required: Provide pressure reducing valve at water entry. (Our Water Department requires PRV installation in all locations regardless of pressure)
 - b. [Response: Refer to detail 1/P-501. Called out on 1/P-403. Refer to BP1, scheduled on P-601.](#)
- 15. Unified Development Ordinance Article 8, Section 8.180.F Ground mounted equipment – Ground mounted equipment shall be totally screened from view by landscaping or masonry wall up to a height of the units to be screened.
 - a. Action required: Make needed corrections to drawings that provide details as to how mechanical equipment will be screened from all 4 sides per referenced UDO section. (re: CU-V1 at vehicle building on sheet M-103)
 - b. [Response: Screening has been changed to landscaping, re updated addendum 3 drawings.](#)
- 16. 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.
 - a. Action required: Provide duct mounted smoke detector in return air duct at DOAS-1 and CRAC-1, 2, & 3. (see schedules on M-601 & M-602)

- b. Response: Smoke detectors added for DOAS-1 and CRAC 1,2,&3.

17. 2017 NEC Article 210.63 Heating, Air-Conditioning, and Refrigeration Equipment Outlet. A 125-volt, single-phase, 15- or 20-ampere-rated receptacle outlet shall be installed at an accessible location for the servicing of heating, air-conditioning, and refrigeration equipment. The receptacle shall be located on the same level and within 25 feet of the heating, air-conditioning, and refrigeration equipment. The receptacle outlet shall not be connected to the load side of the equipment disconnecting means.

- a. Action required: Provide additional receptacle or relocate receptacle shown in Utility Yard. (all equipment must have receptacle within 25')
- b. Response: Additional receptacle added as noted.

18. 2018 IBC 1008.3 Emergency power for illumination. The power supply for means of egress illumination shall normally be provided by the premises' electrical supply. 1008.3.1 General. In the event of power supply failure in rooms and spaces that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:

- i. Aisles.
- ii. Corridors.
- iii. Exit access stairways and ramps.
- b. 1008.3.2 Buildings. In the event of power supply failure in buildings that require two or more means of egress, an emergency electrical system shall automatically illuminate all of the following areas:
 - i. Interior exit access stairways and ramps.
 - ii. Interior and exterior exit stairways and ramps.
 - iii. Exit passageways.
 - iv. Vestibules and areas on the level of discharge used for exit discharge in accordance with Section 1028.1.
 - v. Exterior landings as required by Section 1010.1.6 for exit doorways that lead directly to the exit discharge.
- c. 1008.3.3 Rooms and Spaces. In the event of power supply failure an emergency electrical system shall automatically illuminate all of the following areas:
 - i. Electrical equipment rooms.
 - ii. Fire command centers.
 - iii. Fire pump rooms.
 - iv. Generator rooms.
 - v. Public restrooms with an area greater than 300 square feet.
- d. Action required: Provide emergency lighting at exterior landing of all exits.
- e. Response: Emergency lighting is connected to emergency inverter. Light fixtures on switch "rp" are on the emergency lighting system. Full building, including site lighting, is

connected to generator power, and the site lighting is on the prioritized portion of the building. Additional light fixtures have been added to the emergency lighting system to ensure safe exit from the utility yard.

Fire Plan Review

Reviewed By: Craig Hill

Rejected

1. 1007.1.1 Two exits or exit access doorways. Where two exits, exit access doorways, exit access stairways or ramps, or any combination thereof, are required from any portion of the exit access, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between them. Interlocking or scissor stairways shall be counted as one exit stairway.
 - a. Action required: Provide an additional exit out of main level Training room. The 2 exits lead to the same exterior space.
 - b. [Response: Exit discharge will be modified in addendum #4](#)
2. 2018 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.
 - a. Confirm at inspection.
 - b. [Response: Signage sheet will be updated to accommodate](#)
3. 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.
 - a. Action Required: Provide deferred submittal for alarm system. This is to include the vehicle storage building to the North.
 - b. [Response: Acknowledged](#)
4. 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.

- a. Action Required: Provide Knox Box for building access.
 - b. [Response: Knox box's are noted on sheets G-101, and G-102](#)
- 5. 2018 IFC 506.1.1-Locks. An approved lock shall be installed on gates or similar barriers when required by the fire code official.
 - a. Action Required: Provide Knox Box Gate & Key Switch to all gates entering secure parking area.
 - b. [Response: Knox box's are noted on sheets G-101, and G-102](#)
- 6. 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.
 - a. Action Required: Provide deferred submittal for protection system. This is to include the vehicle storage building to the North.
 - b. [Response: Acknowledged](#)
- 7. 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.
 - a. Action Required: Provide elevator knox box next to elevator.
 - b. [Response: Will be updated](#)
- 8. 2018 IFC 1008.3.1 & 3.2 Emergency power for illumination. The power supply for means of egress illumination shall normally be provided by the premises' electrical supply. In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following:
 - i. Aisles and unenclosed egress stairways in rooms and spaces that require two or more means of egress.
 - ii. Corridors, interior exit stairways and ramps and exit passageways in buildings required to have two or more exits.
 - iii. Exterior egress components at other than their levels of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.
 - b. Action Required: Provide emergency exterior illumination at all marked exits from the building.
 - c. [Response: Emergency lighting is connected to emergency inverter. Light fixtures on switch "rp" are on the emergency lighting system.](#)

9. Provide manual emergency shutdown controls for generator and a whole building emergency shutdown knox key switch.
 - a. [Response: Emergency shutdown controls location clarified in utility yard. Knox remote power box added as noted.](#)