



LEE'S SUMMIT
MISSOURI



FIRE DEPARTMENT

**Prevention Division
(816)969-1300**

PLAN REVIEW CONDITIONS

November 02, 2022

REORGANIZED SCHOOL DIST NO 7
600 SE MILLER, LEES SUMMIT MO 64063
LEES SUMMIT, MO 64063

Permit No: PRCOM20225302
Project Title: LSW - NEW ROBOTICS FACILITY
Project Address: 2600 SW WARD RD, LEES SUMMIT, MO 64082
Parcel Number: 69100041100000000
Location: R-7 HIGH SCHOOL AT WARD ROAD, LOT 1 LOT 1
Type of Work: NEW COMMERCIAL
Occupancy Group: EDUCATIONAL
Description: NEW 7,100 SQUARE FOOT ROBOTICS FACILITY

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

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.

Action required: Comment is informational.

2. 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.

Action required: Provide soils report to justify design assumption of soil bearing capacity greater than 2,000psf. (3,000 specified on sheet S001)

3. 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: Parapets are required to be at least as tall as equipment being screened.

4. 2018 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: Provide ladder side rail extender to comply. Re: detail A5 on A322.

5. 2018 IMC 403.2.1 Recirculation of air, item #3. Where mechanical exhaust is required by Note b in Table 403.3.1.1, recirculation of air from such spaces shall be prohibited. Recirculation of air that is contained completely within such spaces shall not be prohibited. Where recirculation of air is prohibited, all air supplied to such spaces shall be exhausted, including any air in excess of that required by Table 403.3.1.1.

Action required: Exhaust air from restrooms is not to be recirculated but control point RD-CO appears to allow such a thing. Redesign or clarify to demonstrate compliance.

Fire Plan Review

Reviewed By: Ben Hicks

Rejected

1. 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.

Action Required: Call 816-969-1300 to schedule alarm inspection

2. 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: Submit alarm shop drawings to Lee's Summit Fire Dept. for approval

3. 2018 IFC 1008.1 Illumination required. The means of egress, shall be illuminated at all times the building space served by the means of egress is occupied.

Action Required: Place emergency egress lights on the outside of all exits.

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.