



1515 Des Peres Road, Suite 200, Saint Louis, Missouri 63131 - 314.997.6111 - [www.trileaf.com](http://www.trileaf.com)

---

## PLAN REVIEW COMMENT RESPONSE

---

Project: Anytime Fitness, Lees Summit, MO

Application Number: PRCOM20220884

Date: 03.24.22

---

## BUILDING PLAN REVIEW

---

Plan Reviewer: Joe Frogge, 816.969.1200

1. 2018 IBC 602.1 General. Buildings and structures erected or to be erected, altered or extended in height or area shall be classified in one of the five construction types defined in Sections 602.2 through 602.5. the building elements shall have a fire-resistance rating not less than that specified in Table 601 and exterior walls shall have a fire resistance rating not less than that specified in Table 602. Where required to have a fire-resistance rating by Table 601, building elements shall comply with the applicable provisions of Section 703.2. The protection for openings, ducts and air transfer openings in building elements shall not be required unless required by other provisions of this code.

Action required: Change Code Data - Building Design Information to reflect correct building type which is 5B.

**RESPONSE:** Refer to sheet A0.1, revision 1, Code Data-Building Design information, Construction Type has been corrected to show 5B.

2. 2018 IBC 1606.2 Design dead load. For purposes of design, the actual weights of materials of construction and fixed service equipment shall be used. In the absence of definite information, values used shall be subject to the approval of the building official.

Action required: Provide verification that either the weight of new ceiling mounted equipment is less than or equal to original equipment or provide engineer's report to verify that existing roof structure will support additional load.

**RESPONSE:** All existing air handlers will be re-used. Notes, schedules, and details on sheets M1 and M2 have been updated accordingly.

---

## FIRE PLAN REVIEW

---

Plan Reviewer: Jim Eden, 816.969.1300

1. 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.

**RESPONSE:** Refer to sheet A2.1, revision 1, on the floor plan a note for the contractor has been added stating. "Provide a sign showing the occupant load is 108 persons in a

conspicuous place near the main entrance. sign shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent”.

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- Provide plans for review and approval for adding or adjusting the location of alarm notification appliances.

**RESPONSE:** Refer to fire protection general notes, revision 1 on sheet A01. For note #5 stating “Fire alarm contractor shall submit fire alarm drawings to city prior to beginning any work”.

3. 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).

Action required- Correct and post the address on the remaining doors. Verified at inspection.

**RESPONSE:** Refer to sheet A2.1, revision 1, on the floor plan a note for the contractor has been added stating. “Contractor shall provide 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. each door shall be addressed. address numbers shall be Arabic numerals or alphabet letters. numbers shall be a minimum of 4 inches high with a minimum stroke width of 0.5 inch.”.

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 shop drawings for review and approval for work needed to maintain adequate sprinkler coverage.

**RESPONSE:** Refer to fire protection general notes, revision 1 on sheet A01. for note #6 stating “Fire sprinkler contractor shall submit shop drawings to city prior to beginning any work”.

5. 2018 IFC 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.

Action required- If provided (shown on plans) provide remote test/reset switches and connect to existing building alarm.

**RESPONSE:** Added remote test station/reset switch locations to sheet M1, see keyed note #13. Additional notation added to sheet to clarify code requirements as well.

2018 IFC 1010.1.10 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 a panic hardware or fire exit hardware.

Verified at inspection.

**RESPONSE:** Refer to sheet A3.2, Hardware Groups, Front door is hardware group 5 and Rear door is hardware group 6, both call out for a "rim exit device"

6. Exterior doors that are blocked and no longer usable from the interior but still have the appearance from the exterior as a usable door shall be posted on the exterior "NOT AN EXIT, THIS DOOR BLOCKED".

Verified at inspection.

**RESPONSE:** Exterior door which is located in Free Weights area has been noted to have an exterior sign stating "Not an exit, This door blocked".

