

LaTona Architects

1600 Genessee, Suite 810 Kansas City, Mo. 64102

Phone 816-471-0044 Cell 816-305-8800

latonaarchitects@yahoo.com

Joe Frogge
Development Services
Plans Review
Lee's Summit, Missouri

April 28, 2020

Re: Our Lady of the Presentation – Interior Alterations
150 NW Murray Rd., Lee's Summit, Mo. 64081

Permit Number: PRCOM20200987

Dear Joe,

The following responses are keyed to the item numbers listed in the Plan Review comments of 4/21/20. The revisions are shown clouded on the drawings as revision #1.

Licensed Contractors

1. 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.

Action required: MEP subcontractors are required to be listed on permit. Provide company names of licensed MEP contractors.

Response: *The MEP subs are: PM Contracting for HVAC, EW Plumbing & North Kansas City Electric*

Building Plan Review

1. 2018 IBC 502.1 Address identification. New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 inches high with a minimum stroke width of 1/2 inch. Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other approved sign or means shall be used to identify the structure. Address identification shall be maintained

Action required: Actual address for this project is 150 NW Murray Rd. Update references.

Response: *The building address "150" is on the existing monument sign at the street. The address on the drawing title block has been changed on the revised sheets.*

2. 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: Make needed corrections to drawings that provide details as to how mechanical equipment will be screened from all 4 sides per referenced UDO section.

Response: *Notes and dimensions have been added to the roof plan, sheet A10.*

3. 2018 IBC 716.2 Fire door assemblies. Fire door assemblies required by other sections of this code shall comply

with the provisions of this section. Fire door frames with transom lights, sidelights or both shall be permitted in accordance with Section 716.2.5.4.

Action required: Specify rating of assembly and glazing at door #37 between church area and offices.

Response: *The door schedule has been revised to show a 90 min. door w/ no sidelites.*

4. 2018 IBC 716.2.3 Fire doors. Fire doors installed within a fire door assembly shall meet the fire rating indicated in Table 716.1(2).

Action required: Specify rating of door #37 between church area and offices

Response: *The door schedule has been revised to show a 90 min. door w/ no sidelites.*

5. ICC A117.1 Section 902.4 Height. The tops of dining surfaces and work surfaces shall be 28 inches minimum and 34 inches maximum in height above the floor

Action required: Specify compliant maximum height at Work Room #120 and Mulligan Room #1116 sinks and counter tops. (this applies even when relocating an existing installation)

Response: *A note has been added to the floor plan, sheet A05 specifying the heights of counters.*

6. 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 verification of existing permanently installed roof access or provide compliant access ladder

Response: *The location of the existing fixed ladder and roof hatch is now shown on the floor plan sheet A05 and the roof plan sheet A10.*

7. 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 engineer's report to verify that existing roof structure will support additional load imposed by new HVAC equipment.

Response: *The structural engineer's roof calculations are attached.*

8. 2018 IBC 706.1 General. Fire walls shall be constructed in accordance with Sections 706.2 through 706.11. The extent and location of such fire walls shall provide a complete separation. Where a fire wall also separates occupancies that are required to be separated by a fire barrier wall, the most restrictive requirements of each separation shall apply.

Action required: Provide construction details for fire wall construction including nail/screw patterns and specifications for penetrations.

Response: *The UL assemblies for the brick and block walls and the new 2 hour walls are shown on the code sheet A02 and they are referenced on the floor plan sheet A05.*

9. 2017 NEC Article 110.26 (C) (2) Large Equipment. For equipment rated 1200 amperes or more and over 6 feet wide that contains overcurrent devices, switching devices, or control devices, there shall be one entrance to and egress from the required working space not less than 24" wide and 6'6" high at each end to the working space. A single entrance to and egress from the required working space shall be permitted where either of the conditions in 110.26(C)(2)(a) or (C)(2)(b) is met.

(a) Unobstructed Egress. Where the location permits a continuous and unobstructed way of egress travel, a single entrance to the working space shall be permitted.

(b) Extra Working Space. Where the depth of the working space is twice that required by 110.26(A)(1), a single entrance shall be permitted. It shall be located such that the distance from the equipment to the nearest edge of the entrance is not less than the minimum clear distance specified in Table 110.26(A)(1) for equipment operating at that voltage and in that condition.

110.26 (C)(3) Personnel Doors. Where equipment rated 800 A or more that contains overcurrent devices, switching devices, or control devices is installed and there is a personnel door(s) intended for entrance to and egress from the working space less than 25 feet from the nearest edge of the working space, the door(s) shall open in the direction of egress and be equipped with panic hardware.

Action required: Provide panic hardware at door out of electrical equipment room.

Response: *Panic hardware has been added to door 18 and is shown on the door schedule, sheet A14.*

10. 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.

Action required: Provide outlets at new and replacement roof equipment.

Response: *Sheet E3, Power Plan Roof is revised to add power to the GFCI outlets at each new RTU (total of 6)*

11. 2018 IBC Exit Signs 1013.1 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 for 2nd exit out of classroom/office area.

Response: *Sheet E5-Lighting Plan South is revised to add an exit sign 'X' at the north exit doors in the Meeting Area and to add an emergency egress light type 'F' on the exterior at the south doors of the Meeting Area. Sheet E7-Electrical Details is revised to add exterior egress light fixture type 'F' to the light fixture schedule.*

Fire Plan Review

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.

(Verified At Inspection)

Post occupant load signage in the church, Mulligan Room and meeting rooms.

Response: *The requirement for occupant load signage has been added to the plan notes on sheet A05.*

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 three sets of Nicet level 3 or above stamped shop drawings for the fire alarm system.

Response: *The fire alarm system drawings will be submitted as a delayed submittal.*

3. 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 three sets of PE stamped shop drawings for the addition of the fire sprinkler system.

Response: *The fire sprinkler system drawings will be submitted as a delayed submittal.*

4. 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.

(Informational Purposes)

Call (816)969-1300 to schedule testing.

Response: *The contractor will notify the fire code official for testing.*

5. 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)

Provide exterior emergency illumination at South Building exit.

Response: *The exterior emergency illumination is now shown on the south wing lighting plan, sheet A5 and specified on the light fixture schedule, sheet E7.*

If you have any questions, my cell phone number is 816-305-8800.

Sincerely,

Vince LaTona