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GOVERNOR

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H. "Butch" Browning
FIRE MARSHAL

Cautionary Codes

Project Number:	AR-17-016797
Project Name:	CHRISTIAN LOVE CHURCH

The items listed below are comments for informational purposes or identified requirements that will be verified upon final inspection by this office. These requirements need not be addressed back to the reviewer, however should be addressed prior to construction and inspection scheduling. Failure to comply with or otherwise address these items may affect final occupancy and use of the structure.

1	The POR indicates this building is a previously SFM decaled Industrialized Building. This review VOIDS any previously issued Louisiana SFM Industrialized Building decals for this building. Due to the renovations of the building it no longer qualifies nor is considered an Industrialized Building; therefore, the building is subject to verification by the Building Official that the building meets or exceeds the current Building Code requirements for this renovation and change of use.
2	<p>Scope of Work: This review applies to the renovation and change of use of an existing 9293 square foot building. The scope of work includes the removal of all interior partitions and fixtures, except the two restrooms labeled "Women's Restroom-102" and "Men's Restroom - 103" which are existing, and the complete build out of the new space.</p> <p>The drawings indicate the building is separated by a new two hour fire barrier creating two, separate fire areas:</p> <ol style="list-style-type: none"> 1. Fire Area #1 - Sanctuary fire area: 5,578 square feet - 254 occupants which includes an assembly occupant load of 250. 2. Fire Area #2 - Fellowship Hall fire area: 3,655 square feet - 205 occupants which includes an assembly occupant load of 152. <p>The occupancy type per NFPA is Assembly <300. The occupancy type per IBC is Group A-3 (sanctuary fire area) and Group A-2 (fellowship hall fire area).</p>
3	101.4.6.11 This review applies to a "CHANGE OF OCCUPANCY" from a prior EDUCATION occupancy to a new ASSEMBLY occupancy.
4	<p>As per 28 CFR Part 36.102(e) of the September 15, 2011 Federal Register: Exemptions and exclusions. (Accessibility codes shall) not apply to any private club (except to the extent that the facilities of the private club are made available to customers or patrons of a place of public accommodation), or to any religious entity or public entity.</p> <p>It appears that the facility is operated by a private club/religious entity, therefore a review for compliance with the ADA-ABA Accessibility Guidelines has not been performed on this submittal. Please upload a written request for full ADA-ABA Accessibility Guidelines compliance review, if the exemption does NOT apply. A separate plan review application and fee will NOT be necessary.</p>
5	LRS 40:1730.41 This architectural review submittal did not contain a complete, valid submission of the Commercial Building Energy Conservation Code. This submittal is mandatory for commercial buildings in accordance with LRS 40:1730.45 et seq. No commercial building shall be constructed, altered, or repaired in Louisiana until energy code compliance documents have been submitted to and reviewed by this office for compliance with the Commercial Building Energy Conservation Code. The applicable standard for commercial buildings, except low-rise residential buildings, is ANSI/ASHRAE/IESNA Standard 90.1-2007, with State amendments. (...PROVIDE THE INTERIOR LIGHTING, EXTERIOR LIGHTING AND MECHANICAL COMPLIANCE CERTIFICATES FOR REVIEW)
6	LAC 55:305 Insulation and insulation assemblies shall meet the requirements of Section 720, International Building Code, 2012 Edition.
7	IBC 1008.1.10 Doors in a required means of egress serving any ASSEMBLY area having an occupant load of 50 or more persons shall be equipped with panic hardware or fire exit hardware complying with NFPA 101:7.2.1.7, only if a latch or lock is provided. (...SEE THE REVIEW MARKS ON THE DRAWINGS - POR TO VERIFY)
8	101:7.2.1.3 and IBC 1008.1.5 through 1008.1.7 Provide level landings outside exterior doors that are within 1/2" of the interior finish floor elevation.
9	101:7.2.1.5 and IBC 1008.1.9 Locks on doors in means of egress shall not require the use of a key, special device or special knowledge to open in the direction of egress.
10	101:7.2.1.5.10.2 and IBC 1008.1.9.4 through 1008.1.9.5 Doors shall be openable with ONLY one releasing operation. A two-step release, such as a knob and an independent slide bolt or deadbolt, is NOT acceptable, except under special conditions.
11	101:12.3.3 Interior walls and ceilings shall have a flame spread of 0-200 and a smoke development rating of 0-450.

12	<p>101:7.2.2.4.1 and IBC 1009.15 Stairs and ramps shall have handrails on both sides and shall be provided within 30 inches of all portions of the required egress width of stair.</p> <p>~ 101:7.2.2.4.4.1 and IBC 1012.2 Handrails shall be no lower than 34" nor higher than 38" above the leading edge of the tread surface.</p> <p>~ 101:7.2.2.4.4.10 and IBC 1012.6 Where a stair handrail is not continuous between landings, it shall continue to slope for a depth of one tread beyond the bottom riser and shall extend 12" level with the landing at the top riser.</p> <p>~ 101:7.2.2.4.4.7, 101:7.2.2.4.4.6(1) and IBC 1012.3 Handrails shall be continuously graspable along the entire length and shall be from 1-1/4" to 2" in diameter.</p> <p>~ 101:7.2.2.4.5.5 Provide a minimum clearance of 2-1/4" between the handrails and the walls or guards to which they are attached.</p> <p>(.....THIS APPLIES TO ALL HANDRAILS, INCLUDING THE HANDRAILS AT THE "PULPIT/STAGE-114")</p>
13	<p>101:12.2.9 and IBC 1006 Provide emergency lighting according to 101:7.9 and IBC 1006.3, including exit discharge (exterior). (...VERIFY - EXTERIOR EMERGENCY LIGHTING IS NOT INDICATED ON THE DRAWINGS)</p>
14	<p>101:12.2.10 and IBC 1011 Exit signs complying with 101:7.10 and IBC 1011 shall define exits and access to exits where the exit is not immediately apparent. (.....PROVIDE EXIT SIGNS ON THE FELLOWSHIP HALL SIDE OF BOTH DOORS "102")</p>
15	<p>101:8.6.11 Draftstop non-sprinklered attic into areas not to exceed 3,000 sq. ft. each, if the attic has exposed combustible materials.</p>
16	<p>101:12.7.9.1.1 Seats in assembly occupancies accommodating more than 200 persons shall be securely fastened to the floor, except where fastened together in groups of not less than three and as permitted by 12.7.9.1.2 and 12.7.9.2.</p>
17	<p>101:8.2.2.2 Fire compartments shall be formed with fire barriers that comply with Section 8.3 and are continuous in accordance with Section 8.3.1.2 from outside wall to outside wall or from one fire barrier to another, or a combination thereof, including continuity from the floor through all concealed spaces, such as those found above a ceiling, including interstitial spaces. Continuity is permitted to terminate at a ceiling, if the construction assembly of the ceiling has a fire resistance rating not less than that of the fire barrier.</p>
18	<p>101:8.2.3 Fire resistive-rated building assemblies shall be of a design that has been tested and listed by an approved testing laboratory for the intended application.</p> <p>~ IDENTIFY the listed assemblies that are properly tested by Underwriters Laboratories (UL), Factory Mutual (FM), or other approved testing laboratory, in writing to this reviewer PRIOR TO CONSTRUCTION. Please be advised that a failure to provide this information in a timely manner may cause substantial delays at final inspection and may adversely impact subsequent occupancy. (....PROVIDE A TESTED AND APPROVED DETAIL REFERENCE NUMBER AND COMPLETE DETAIL CUT SHEET FOR ALL FIRE RATED CONSTRUCTION ASSEMBLIES)</p>
19	<p>101:8.3.5 Penetrations through rated construction shall be sealed by approved firestop systems or devices tested in accordance with ASTM E-814 or ANSI/UL 1479.</p> <p>a. Notify the District Office identified at the end of the attached PROJECT DATA REPORT for inspection of all completed fire and/or smoke barrier walls before any construction is installed that would conceal such construction and prevent a proper inspection. Access to randomly selected areas may be required by the inspector at time of final inspection if this notification is not given.</p> <p>b. Provide detailed instructive cut sheets of the fire penetration sealing system used to the inspector at time of inspection. Random selective sampling by the contractor will be observed by the inspector.</p>
20	<p>IBC 1018.5 Corridors shall not serve as the supply, return, exhaust, relief or ventilation air ducts.</p>
21	<p>HVAC system shall be constructed in accordance with 101:9.2.</p>
22	<p>101:9.2.1 Install smoke detectors to automatically stop the fan in HVAC duct systems over 2000 cfm in accordance with NFPA 90A:6.4.2.1(1). Where fire alarm system is required, duct detectors shall be connected to building alarm system.</p>
23	<p>NOTE: THE FOLLOWING IS A REVIEW FOR COMPLIANCE WITH THE REQUIREMENTS OF THE LOUISIANA STATE UNIFORM CONSTRUCTION CODE IN ACCORDANCE WITH ACT 12 OF THE 2005 FIRST EXTRAORDINARY SESSION OF THE LOUISIANA LEGISLATURE. THIS REVIEW IS PERFORMED AT THE REQUEST OF, AND ON BEHALF OF THE JURISDICTION IN WHICH THIS PROPOSED PROJECT IS LOCATED. This office will not be responsible for inspections to certify compliance with applicable requirements. Contact the local Building Official or a Louisiana State Uniform Construction Code Council certified third-party provider to arrange for inspections.</p> <p>Codes Referenced: 2012 International Building Code (IBC) not including Chapters 1, 11, 27, and 29; 2012 International Existing Building Code (IEBC) not including Chapter 1; 2012 International Mechanical Code (IMC); 2012 International Plumbing Code (IPC) with Louisiana Amendments; 2012 International Fuel Gas Code (IFGC); 2011 National Electric Code (NEC)</p>

24	<p>Building Planning:</p> <ul style="list-style-type: none"> ~ Proposed Occupancy/Use Group Classification: The occupancy is Group A per IBC Section 303. ~ Special Occupancy Areas: There are no special detailed requirements per IBC Chapter 4. ~ Accessory Use Areas: There are no accessory occupancies per IBC Section 508. ~ Incidental Use Areas: There are no incidental use area per IBC Section 509. ~ Construction Type/Building Limitations: The construction type is indicated to be Type VB per IBC Section 602. The proposed construction is within the allowable height and area limitations of Table 503.
25	<p>~ Classification of Work: The scope of work is classified as Alteration-Level 3 per IEBC Section 505 and Change of Occupancy per IEBC Section 506.</p>
26	<p>Fire-Resistance-Rated Construction: APPEARS TO COMPLY.</p>
27	<p>Interior Finishes: SEE ITEM #10 ABOVE.</p>
28	<p>Fire Protection Systems: Refer to Life Safety Code review above for fire protection system requirements.</p>
29	<p>Means of Egress: ~ Refer to Life Safety Code review above for means of egress requirements.</p>
30	<p>Structural: The following design loads and other information pertinent to the structural design required by IBC Sections 1603.1.1 through 1603.1.8 shall be indicated on the construction documents, per IBC 1603.1:</p> <ul style="list-style-type: none"> ~ Gravity Load Data: Minimum live loads shall be in accordance with IBC Table 1607.1 or ASCE 7-10 Table 4-1 Minimum Snow loads shall be in accordance with IBC Fig. 1608.2 or ASCE 7-10 Fig. 7.1. <ul style="list-style-type: none"> - First Floor live loads are indicated as 60 psf. - Corridor live loads are indicated as 100 psf. - Roof live loads are indicated as 20 psf. - Ground Snow loads are indicated as 5 psf. ~ Wind Design Data: Wind loads on every building or structure shall be determined in accordance with Chapter 6 of ASCE 7-10, per IBC 1609.1.1. <ul style="list-style-type: none"> - Ultimate design wind speed, Vult, (3-second gust) is indicated as 121 MPH; [IBC 1609.3 and/or ASCE 7-10 Figure 26.5-1] - Nominal Design Wind Speed, Vasd is indicated as 109 MPH; [IBC 1609.3.1 and/or ASCE 7-10 Figure 26.5-1] - Risk category is indicated as II; [IBC Table 1604.5 and/or ASCE 7-10 Table 1-1] - Wind exposure category is indicated as B; [IBC Section 1609.4.3] - The internal pressure coefficient is indicated as 0.18; [ASCE 7-10 Figure 26.11-1] [IBC Table 1609.6.2]; - Design wind pressures used for the design of exterior components and cladding are 32.7 psf. ~ Flood Design Data: The flood hazard area established for the site is identified as Zone A; [IBC 1603.1.6] For buildings located in whole or in part in flood hazard areas as determined by the local flood plain administrator, the following information referenced to the datum on the Flood Insurance Rate Map (FIRM) shall be shown on the construction documents, regardless of whether flood loads govern the design of the building: <ul style="list-style-type: none"> - The elevation of the proposed lowest floor is indicated as 16.4. - The elevation to which the building will be dry floodproofed is indicated as 17.0.
31	<p>Mechanical Systems:</p> <ul style="list-style-type: none"> ~ Flexible air ducts, both metallic and nonmetallic, shall comply with Sections 603.6.1, 603.6.1.1, 603.6.3 and 603.6.4. Flexible air connectors, both metallic and nonmetallic, shall comply with Sections 603.6.2 through 603.6.4. ~ Duct insulation shall conform to the requirements of IMC Sections 604.2 through 604.13, IECC Section 501.1, and ANSI/ASHRAE/IESNA 90.1-2004, per IMC. ~ Supply and return ducts and plenums installed in exterior locations, ventilated attics, and unvented attics above insulated ceilings shall be thermally insulated with minimum R-6 insulation on the supply side and minimum R-3.5 insulation on the return side, per ANSI/ASHRAE/IESNA 90.1-2004 Table 6.8.2B. ~ Supply and return ducts and plenums installed in unvented attics with roof insulation and in unconditioned spaces, (including crawl spaces, both ventilated and nonventilated), shall be thermally insulated with minimum R-3.5 insulation on the supply side. No minimum R-value is required on the return ducts, per ANSI/ASHRAE/IESNA 90.1-2004 Table 6.8.2B.

32	<p>Plumbing Systems: Review for compliance with the requirements of the International Plumbing Code, 2015 edition, with Louisiana Amendments is performed at the request of the jurisdiction in which this proposed project is located as follows: ~ Provide at least the minimum type(s) of rest room plumbing fixtures provided for in IPC Section 403. Required facilities shall be directly accessible to the public through direct openings or corridors from the area(s) they serve. THE FOLLOWING NUMBER OF FIXTURES ARE REQUIRED: 3 MALE WATERCLOSETS (Urinals may be substituted for up to 1/2 of the required water closets) 4 FEMALE WATER CLOSETS 2 MALE LAVATORIES 2 FEMALE LAVATORIES 2 DRINKING FOUNTAINS</p>
33	<p>Fuel Gas: NO WORK IS INDICATED IN THIS PROJECT.</p>
34	<p>Electrical Systems: ~ Compliance with the 2014 NFPA 70, National Electrical Code (NEC), is mandated by RS 40:1730.28.A(7). Contact the local Building Official of the applicable local political subdivision or a Louisiana State Uniform Construction Code Council registered third-party provider to verify plan review and inspection requirements of the proposed electrical work. ~ 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 ft of the heating, air-conditioning, and refrigeration equipment. The receptacle outlet shall not be connected to the load side of the equipment disconnecting means. ~ Provide a disconnecting means for air-conditioning and refrigerating equipment, in accordance with NEC 440.12.</p>