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GOVERNOR

Office of State Fire Marshal

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Cautionary Codes



H. "Butch" Browning
FIRE MARSHAL

Project Number:	AR-16-006827
Project Name:	HOTARD BUS GROUP

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	<p>Scope of Work: This review is for A NEW 2,570 sf addition to an existing 4,956 sf facility. The scope of work is classified as Alteration - Level 2 and Additions per IEBC Sections 504 and 507.</p> <p>Construction Type: V-B Sprinkler system: No Fire Alarm System: No</p> <p>LSC: SPECIAL PURPOSE INDUSTRIAL STORAGE</p> <p>IBC: STORAGE GROUP S-1</p> <p>IEBC 504.1 Scope. Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.</p> <p>IEBC 504.2 Application. Level 2 alterations shall comply with the provisions of Chapter 7 for Level1 alterations as well as the provisions of Chapter 8.</p> <p>IEBC 507.1 Scope. Provisions for additions shall apply where work is classified as an addition as defined in Chapter 2.</p> <p>IEBC 507.2 Application. Additions to existing buildings shall comply with the provisions of Chapter 11.</p> <p>IEBC 1101.1 Scope. An addition to a building or structure shall comply with the International Codes as adopted for new construction without requiring the existing building or structure to comply with any requirements of those codes or of these provisions, except as required by this chapter. Where an addition impacts the existing building or structure, that portion shall comply with this code.</p> <p>IEBC 1101.2 Creation or extension of nonconformity. An addition shall not create or extend any nonconformity in the existing building to which the addition is being made with regard to accessibility, structural strength, fire safety, means of egress, or the capacity of mechanical,plumbing, or electrical systems.</p> <p>IEBC 1103.1 Compliance with the International Building Code. Additions to existing buildings or structures are new construction and shall comply with the International Building Code.</p> <p>IEBC 1103.2 Additional gravity loads. Existing structural elements supporting any additional gravity loads as a result of additions shall comply with the International Building Code.</p>
2	LRS 40:1730.45.A and LAC 55:V:2601 The documentation provided for the subject facility appears to comply with The Commercial Building Energy Conservation Code based on ANSI/ASHRAE/IESNA 90.1- 2007.
3	101:4.6.10.1 Buildings or portions of buildings shall be permitted to be occupied during construction, repair, alterations, or additions only if all means of egress and all fire protection features are in place and continuously maintained for the portion(s) occupied.

4	<p>After consultation with the Louisiana Rehabilitation Services, it has been determined that this office will NOT require this facility to comply with any of the ADA-ABA Accessibility Guidelines or LSC requirements for individuals with disabilities, with the following stipulations:</p> <ol style="list-style-type: none"> 1. No attached office spaces are allowed with this exception. 2. No floor plan modifications are permitted. Office additions, and spaces created which constitute a change in use, shall provide access to persons with disabilities and shall conform to the provisions for new construction. 3. Visual alarm notification shall be provided if a fire alarm system is required by Code. 4. If a complaint is received about discrimination in hiring of individuals with disabilities or concerning access to any part of the facility, this office reserves the right to investigate the complaint and reserves the right to require the facility or a portion thereof to be upgraded to comply with the accessibility requirements enforced by this office. 5. Please note that this document references specific compliance with state regulations and does not guarantee, or attempt to circumvent, compliance with federal law. 6. As per ADA-ABA 2004, Section F103, Office of State Fire Marshal appeal determinations are not valid for facilities that are designed, constructed, altered, or operated with federal funds, or leased by a federal agency. The authority having jurisdiction over such appeals is the administrator of the General Services Administration (GSA).
5	101:40/42.2.9 and IBC 1006 Provide emergency lighting according to 101:7.9 and IBC 1006.3, including exit discharge (exterior).
6	101:7.5.2.1 and IBC 1014.2 Egress shall not be through a room subject to locking in the direction of egress.
7	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, is NOT acceptable, except under special conditions.
8	101:7.2.1.2.3.2, 101:7.1.5.1, and IBC 1008.1.1 A doorway in a means of egress shall provide at least 32" in clear width (consider installing 36" wide doors) and at least 6'-8" in nominal height. Where a pair of doors is provided, at least one leaf shall comply with clear width requirement.
9	101:8.2.2.3 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.
10	<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> <ol style="list-style-type: none"> 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. 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.
11	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.
12	101:40/42.5.1 Utilities shall comply with the provisions of Section 9.1.
13	<p>LRS 40:1664.4 All work and inspections of portable fire extinguishers shall be performed by a life safety and property protection contractor licensed with the appropriate endorsement by the Office of the State Fire Marshal. Portable fire extinguishers shall be certified annually.</p> <ul style="list-style-type: none"> ~ For Inspection, see NFPA 10:7.2 ~ For Maintenance, see NFPA 10:7.3 ~ For Recharging, see NFPA 10:7.4
14	101:40/42.3.3 Interior walls and ceilings shall have a flame spread of 0-200 and a smoke development rating of 0-450.
15	This review applies to new work indicated in the drawings and does not apply to existing non-conforming conditions.
16	<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>

17	<p>Building Planning:</p> <p>a. Special Occupancy Areas: There are special detailed requirements for REPAIR GARAGES per IBC Section 406.8.</p> <ol style="list-style-type: none"> 1. 406.8.2 Repair garages shall be mechanically ventilated in accordance with the International Mechanical Code. The ventilation system shall be controlled at the entrance to the garage. 2. 406.8.3 Repair garage floors shall be of concrete or similar noncombustible and nonabsorbent materials. <p>b. Accessory Use Areas: There is NO accessory occupancy per IBC Section 508.2.</p> <p>c. Incidental Use Areas: There is NO incidental use area per IBC Section 509.</p> <p>d. Construction Type/Building Limitations: The construction type is indicated to be Type V-B per IBC Section 602. The proposed construction IS WITHIN the allowable height and area limitations of Table 503.</p>
18	<p>Fire-Resistance-Rated Construction and Interior Finishes:</p> <ol style="list-style-type: none"> a. Interior walls and ceiling finishes at exit enclosures and exit passageways shall be Class B: Flame spread 0-75 smoke-developed 0-450. b. Interior walls and ceiling finishes at corridors shall be Class B: Flame spread 0-75 smoke-developed 0-450. c. Interior walls and ceiling finishes at rooms and enclosed spaces shall be Class C: Flame spread 0-200; smoke-developed 0-450.
19	<p>Fire Protection Systems: Refer to Life Safety Code review above for fire protection system requirements.</p>
20	<p>Means of Egress: Refer to Life Safety Code review above for means of egress requirements.</p>
21	<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> <ol style="list-style-type: none"> a. 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. - First Floor live loads are indicated as 125 psf. - Roof live loads are indicated as 20 psf. - Ground Snow loads are indicated as 5 psf. b. 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. - Basic Wind Speed (3-second gust) is indicated as 132 MPH; [IBC 1609.3 and/or ASCE 7-10 Figure 6-1] - Wind importance factor, I, is NOT indicated PROVIDE; [ASCE Table 6-1] - Risk category is indicated as I; [IBC Table 1604.5 and/or ASCE 7-10 Table 1-1] - Wind exposure category is indicated as C; [IBC Section 1609.4.3] - The internal pressure coefficient is indicated as +/- 0.18; [ASCE 7-10 Figure 6-5] - Design wind pressures used for the design of exterior components and cladding are 34.7 psf. Protection of openings for wind-borne debris is NOT required. c. Flood Design Data: The flood hazard area established for the site is identified as Zone A5; [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: - The elevation of the proposed lowest floor is indicated as 12'-0".
22	<p>Mechanical Systems:</p> <ol style="list-style-type: none"> a. 406.8.2 Repair garages shall be mechanically ventilated in accordance with the International Mechanical Code. The ventilation system shall be controlled at the entrance to the garage.
23	<p>Plumbing Systems: Review for compliance with the requirements of the International Plumbing Code, 2012 edition, with Louisiana Amendments is performed at the request of the jurisdiction in which this proposed project is located as follows: NO NEW WORK INDICATED. IT APPEARS THAT THE EXISTING FIXTURE COUNT WILL HANDLE THE ADDITIONAL SQUARE FOOTAGE.</p>
24	<p>Fuel Gas: NO NEW WORK INDICATED, NOT REVIEWED</p>
25	<p>Electrical Systems: NO APPARENT DEFICIENCIES DETECTED</p>