

STATE OF LOUISIANA
Department of Public Safety and Corrections
Office of State Fire Marshal Code Enforcement and Building Safety
8181 Independence Boulevard
Baton Rouge, Louisiana 70806
225-925-4920

H "BUTCH" BROWNING
FIRE MARSHAL

BUILDING REHABILITATION

ROBERT WILTSE
DAMMON ENGINEERING INC
554 OLD SPANISH TRAIL
SLIDELL, LA 70458-0000

RE: P0414757
FEAST CATERING BLDG ADDITION
109 TAOS ST
SLIDELL, LA 70469

NFPA 101, 2009
IBC, 2009 (CHAPTERS 9 & 10)

STORAGE
MERCANTILE CLASS C

Dear Applicant:

This is to advise that we have reviewed the drawings and specifications for the subject proposed construction and have determined that they appear to satisfactorily comply with the adopted laws, codes, rules and regulations of The State Fire Marshal subject to the following requirements:

1. **Scope of Work:** This review is for a new 4,640 sf addition to an existing Catering facility. The scope of work is classified as Alteration - Level 2 and Additions per IEBC Sections 404 and 407.

IEBC 404.1 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.

IEBC 404.2 Application. Level 2 alterations shall comply with the provisions of Chapter 6 for Level 1 alterations as well as the provisions of Chapter 7.

IEBC 407.1 Scope. Provisions for additions shall apply where work is classified as an extension or increase in floor area, number of stories, or height of a building or structure as defined in Chapter 2.

IEBC 407.2 Application. Additions to existing buildings shall comply with the provisions of Chapter 10.

IEBC 1001.1 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.

IEBC 1001.2 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.

May 9, 2012
P0414757 - PAGE 1

IEBC 1003.1 Compliance with the International Building Code. Additions to existing buildings or structures are new construction and shall comply with the International Building Code.

IEBC 1003.2 Additional gravity loads. Existing structural elements supporting any additional gravity loads as a result of additions shall comply with the International Building Code.

2. **This project as submitted has been found in part to be INSUFFICIENTLY DOCUMENTED TO DETERMINE COMPLIANCE AT THIS TIME. Provide additional documentation as required to indicate compliance with the following item(s) PRIOR TO PERMITTING, UNLESS the Building Official finds that the nature of the work applied for is such that compliance can be determined during inspection:**
 - a. **See Item # 21b.**
3. **LRS 40:1730.45 and LAC 55:V:2601 The documentation provided for the subject facility does NOT appear to comply with The Commercial Building Energy Conservation Code.**
 - a. **LAC 55:V:2604 The applicable standard for commercial buildings, other than low-rise residential buildings, is ANSI/ASHRAE/IESNA Standard 90.1-2007. Demonstration of compliance using COMcheck, available from the U.S. Department of Energy, with "Standard 90.1 - 2007" selected as the code option shall be deemed to comply with the Commercial Building Energy Conservation Code. Compliance must be demonstrated individually for each of three components; envelope, lighting (including electrical), and, mechanical (including hot water). Code compliance materials can be obtained from the Department of Energy's website <http://www.energycodes.gov>. Technical assistance can be obtained from the Technology Assessment division of the La. Dept. Of Natural Resources at 1-800-836-9589 (1-225-342-3842 if calling from outside Louisiana).**

THE INCORRECT VERSION WAS SUBMITTED. RESUBMIT USING THE CORRECT VERSION (INDICATED ABOVE).

NOTE: THE COMMENTS LISTED BELOW IDENTIFY APPARENT DEFICIENCIES DETECTED IN OUR REVIEW OF THE DOCUMENTS SUBMITTED.

4. **101:36.3.2 Separate general storage/stock areas from other parts of the building by 1 hour fire resistive construction with self-closing 45 minute labeled door/frame assembly or provide automatic sprinkler protection at the storage/stock areas in accordance with NFPA 13 (Standard for the Installation of Sprinkler Systems) or as per NFPA 101:9.7.1.2 (sprinkler piping connected directly to a domestic water supply system). SEE MARK-UPS ON SHEETS C-1 AND A-1.**

NOTE: THE FOLLOWING COMMENTS IDENTIFY ISSUES FOR INFORMATIONAL AND CAUTIONARY PURPOSES OR ISSUES THAT COULD NOT BE VERIFIED IN THE SUBMITTED DOCUMENTS.

5. **101:6.1.14 and IBC 508 This design concept is apparently a multiple occupancy evaluated as a MIXED occupancy.**
6. **101:42/36.1.4 and IBC 302 This review is based on an occupancy classification of STORAGE / MERCANTILE - CLASS C in accordance with 101:6.1.1 and this section.**
7. **This review applies to new work indicated in the drawings and does not apply to existing non-conforming conditions.**

8. After consultation with the Office of 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:
 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).

9. LAC 55:305 Insulation and insulation assemblies shall meet the requirements of Section 719, International Building Code, 2009 Edition.
 - a) Concealed and exposed insulation shall have a flame spread of 0-25 and a smoke developed of 0-450 in accordance with IBC 719.

10. 101:7.2.1.5.9 and IBC 1008.1.94 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.

11. 101:42.2.8 and IBC 1006 Provide illumination of means of egress in accordance with 101:7.8 and IBC 1006, including exit discharge (exterior).

12. 101:42.2.9 and IBC 1006.3 & 1006.4 Provide emergency lighting according to 101:7.9 and IBC 1006, including exit discharge (exterior).

13. 101:8.2.2.3 Fire compartments shall be formed by fire barriers that are continuous from foundation through all intervening construction to the roof deck or floor deck, from outside wall to outside wall or from fire barrier to fire barrier, including continuity through all concealed spaces, such as those found above a ceiling, including interstitial spaces.

14. 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 or by assemblies of firestopping materials capable of preventing the passage of flames and hot gases when tested and rated in accordance with NFPA 251. (This requirement applies for elevator controls on shaft walls, electrical outlets, light switches, etc.).
 - a) Notify the District Office identified at the end of this letter 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.

15. **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.**

- a) For Inspection, see NFPA 10:6.2
- b) For Maintenance, see NFPA 10:6.3
- c) For Recharging, see NFPA 10:6.4

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.

Codes Referenced:

- 2009 International Building Code (IBC) not including Chapters 1, 11, 27, and 29;
- 2009 International Existing Building Code (IEBC) not including Chapter 1;
- 2009 International Mechanical Code (IMC);
- 2000 Louisiana State Plumbing Code (LSPC);
- 2009 International Fuel Gas Code (IFGC);
- 2008 National Electric Code (NEC)

16. **Building Planning:**

a) **Proposed Occupancy/Use Group Classification:**

The occupancy is STORAGE Group S-1 per IBC Section 311.

b) **Special Occupancy Areas:**

There are NO special detailed requirements.

c) **Incidental/Accessory Use Areas:**

There is NO incidental use area and NO accessory occupancy per IBC Section 508.

d) **Construction Type/Building Limitations:**

The construction type is indicated to be Type II-B per IBC Section 602.

The proposed construction IS WITHIN the allowable height and area limitations of Table 503.

17. **Fire-Resistance-Rated Construction and Interior Finishes:**

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.

d. Fire barriers complying with IBC Section 707 shall separate MERCANTILE FROM STORAGE AREAS.

e. Fire barriers shall extend from the top of the floor/ceiling assembly below to the underside of the floor or roof slab or deck above and shall be securely attached thereto. These walls shall be continuous through concealed spaces such as the space above a suspended ceiling. Hollow vertical spaces within the fire barrier wall shall be fireblocked at every floor level, per IBC Section 707.5.

18. Fire Protection Systems:

Refer to Life Safety Code review above for fire protection system requirements.

19. Means of Egress:

a) Refer to Life Safety Code review above for means of egress requirements.

20. Interior Environment:

a) Toilet and bathing room floors shall have a smooth, hard, nonabsorbent surface that extends upward onto the walls at least 6 inches per IBC Section 1210.1.

b) Walls within 2 feet of urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture per IBC Section 1210.2.

21. 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:

a) Gravity Load Data:

Minimum live loads shall be in accordance with IBC Table 1607.1 or ASCE 7-05 Table 4-1

Minimum Snow loads shall be in accordance with IBC Fig. 1608.2 or ASCE 7-05 Fig. 7.1.

- First Floor live loads are not indicated, but shall be 125 psf, min. IF THE WAREHOUSE IS HEAVY USE, THE MIN. DESIGN LOAD SHALL BE 250 PSF.

- Corridor live loads are indicated as 100 psf.

- Roof live loads are indicated as 20 psf UNIFORM, 300 LB. CONCENTRATED.

- Ground Snow loads are indicated as 0 psf. CONFIRM WITH THE BUILDING OFFICIAL (CAN BE AS HIGH AS 5 PSF IN THIS AREA).

b) Wind Design Data:

Wind loads on every building or structure shall be determined in accordance with Chapter 6 of ASCE 7-05, per IBC 1609.1.1.

- Basic Wind Speed (3-second gust) is indicated as 130 MPH; [IBC 1609.3 and/or ASCE 7-05 Figure 6-1]

- Wind importance factor, I, is indicated as 1.0; [ASCE Table 6-1]

- Occupancy category is indicated as II; [IBC Table 1604.5 and/or ASCE 7-05 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 7-05 Figure 6-5]

- Design wind pressures used for the design of exterior components and cladding are NOT INDICATED, PROVIDE.

- Protection of openings for wind-borne debris is required. INDICATE METHOD OF OPENING PROTECTION.

c) Flood Design Data:

The flood hazard area established for the site is identified as Zone X; [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 16.12 FT.

22. Mechanical Systems: NO WORK INDICATED, NOT REVIEWED

23. Plumbing Systems:

Review for compliance with the requirements of the Louisiana State Plumbing Code [Part XIV (Plumbing) of the State Sanitary Code] is performed at the request of the jurisdiction in which this proposed project is located AND on behalf of the State Health Officer. In accordance with R.S. 40:4.A(7), R.S. 40:5, and R.S. 40:1730.28.A(5), the State Health Officer and the Office of Public Health of the Department of Health and Hospitals holds the exclusive jurisdiction, control, and authority over Part XIV (Plumbing) of the State Sanitary Code. Interpretations and/or adjustments to the requirements contained in this code should be directed to that department for ruling.

a) Provide a floor drain in every public toilet room having a removable strainer, the area of which shall not be less than two-thirds the cross sectional area of the trap to which it connects. Floor drains and traps shall be not less than 2 inches in diameter and the trap shall be equipped with an approved trap primer to maintain the water seal at not less than 2 inches and not more than 4 inches, per LSPC Sections 409.4, 614.4, and 1001.

24. Fuel Gas: NO WORK INDICATED, NOT REVIEWED

25. Electrical Systems: NO APPARENT DEFICIENCIES DETECTED

26. NOTE: Please ENCLOSE A COPY OF THIS LETTER WITH FUTURE SUBMITTALS OR OTHER CORRESPONDENCE pertaining to this project.

Changes to construction in the field which are not consistent with the reviewed documents are not authorized unless reviewed by this office for compliance with Code. Modifications to reviewed plans must be submitted to this office by the Architect/Civil Engineer for review prior to final inspection. If an Architect or Civil Engineer is not required by RS 37:155, revisions shall be submitted by the Owner. Submittals shall include plans, completed application, a minimum \$55.00 review fee, and a copy of the most current plan review letter.

Compliance with code requirements for fire protection systems, such as Fire Alarm, Sprinkler and Suppression Systems, is determined by separate shop drawing submittal and is not included in this review.

This review applies to work indicated in the drawings or specifications. Existing portions of the facility or building unaffected by the new work shall comply with LAC 55:103B.

This review shall in no way permit and/or authorize any omissions or deviations from the specific requirements of the adopted codes, rules and regulations in accordance with R.S. 40:1574.1(B).

This review is valid for 180 days from the date of this letter. Construction permits must be issued and/or construction must commence within this time period.

This office requires certification of the completed project in accordance with the approved documents (certificate enclosed).

Occupancy of the project will not be permitted until we receive the completed certificate and a satisfactory inspection of the completed construction has been made by this office.

To arrange for inspection of the project, please contact the District Office at the phone number below two (2) to three (3) weeks in advance. The plans stamped reviewed by this office must be available on job site at time of inspection. Certificate of completion must be provided to the inspecting Deputy for final inspection.

REVIEWED BY:
DAVID JONES
ARCHITECT

CC:
K.b. Kaufmann & Co
Feast Catering
St Tammany Fire Protection District No 1*
City Of Slidell*
Baton Rouge District* 2259253650
City Of Slidell*

