

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

NEW CONSTRUCTION

ROBERT WILTSE
DAMMON ENGINEERING INC
1095 FLORIDA AVE
SLIDELL, LA 70458-0000

RE: P0372882
CHILD DEVELOPMENT COUNCIL OF
ACADIANA
HWY 167
OPELOUSAS, LA 70571

NFPA 101, 2006

BUSINESS
ASSEMBLY 300 OCCUPANTS OR LESS

DEADLINE IMPOSED

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: 9,900 sqft.**
2. **LRS 40:1730.45 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- 2004, or the International Energy Conservation Code, 2006 edition, as applicable.**
3. **LAC 55:V:307 Periodic observation of construction shall be made by a licensed architect or civil engineer. The enclosed Certificate of Completion containing the signature(s) of the responsible design professional(s) shall be presented to the Inspector at time of final inspection for occupancy.**

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

- a. 101:6.1.14 The design concept appears to be a MULTIPLE OCCUPANCY, evaluated as a SEPARATED occupancy. (1-hour fire-resistive assemblies provided between assembly and business occupancies, in accordance with Table 6.1.14.4.1(b))
4. **101:12.2.2.2 Doors in a required means of egress serving Meeting Room 112 may be provided with a latch or lock only if it is panic hardware.**
5. **Cooking equipment in Kitchen 111 shall be protected in accordance with NFPA 96.**

6. **HOOD CONSTRUCTION IS NOT AUTHORIZED** until a satisfactory review by this office is performed for determining compliance with minimum code requirements.
7. **NFPA 96:10.1 and 96:10.2** Provide fixed automatic fire extinguishing equipment systems as primary protection for all cooking equipment that produces grease laden vapors, and portable fire extinguishers as secondary back-up.
8. **LRS 40:1574 and LAC 55:V:303** Submit chemical fire suppression system shop drawings with plan review application and fee prior to installation of any work of this section. Such work shall not commence until shop drawings have been found to be in compliance with applicable codes by this office. Submittal shall include a copy of this letter and shall be in accordance with the rules for such by this office.
9. Shop drawings for Suppression Systems, that are required to be submitted to this office for review, shall be routed through the "Professional of Record's" (Architect / Engineer) office, and shall be stamped with his "Shop Drawing Review Stamp" or equivalent, indicating that shop drawings have been reviewed by him for conformance with plans, specifications, and appropriate codes.
10. **LRS 40:1664.4** All work and inspections of life safety and property protection systems and equipment shall be performed by a contractor licensed with the appropriate endorsement by the Office of the State Fire Marshal.
11. **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). Where fire alarm system is required, duct detectors shall be connected to building alarm system.
12. **NFPA 90A:6.4.4.3** Where smoke detectors required by Section 6.4 are installed in a building NOT equipped with an approved protective signaling system as specified by 6.4.4.2:
 - a) The smoke detector activation required by Section 6.4 shall cause a visual AND an audible signal in a normally occupied area, and
 - b) Smoke detector trouble conditions shall be indicated visually OR audibly in a normally occupied area and shall be identified as air duct detector trouble.Provide a remote alarm indicator/annunciator in accordance with NFPA 72:6.10.2 for these conditions.

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:

- 2006 International Building Code (IBC) not including Chapters 1, 11, 27, and 29;
- 2006 International Existing Building Code (IEBC) not including Chapter 1;
- 2006 International Mechanical Code (IMC);
- 2000 Louisiana State Plumbing Code (LSPC);
- 2006 International Fuel Gas Code (IFGC);
- 2005 National Electric Code (NEC)

13. **Building Planning:**

a) Proposed Occupancy/Use Group Classification:

The occupancy is MIXED, NONSEPARATED Group B per IBC Section 304 and Group A-3 per IBC Section 303. (separated occupancies in accordance with 508.3.3 requires 2-hour fire barriers in accordance with Table 508.3.3)

b) Construction Type/Building Limitations:

The construction type is indicated to be Type V-B per IBC Section 602.5.

The proposed construction is within the allowable height and area limitations of Table 503.

14. Fire-Resistance-Rated Construction:

a) 1-hour rated fire partitions separating Corridor 115 / Foyer 101 from other parts of the building shall comply with IBC Section 708.

15. THE COMMENTS LISTED BELOW IDENTIFY APPARENT DEFICIENCIES DETECTED IN OUR REVIEW OF THE DOCUMENTS SUBMITTED. LRS 40:1574 "DEADLINE IMPOSED" - The Professional of Record shall furnish documentation addressing the following deficiencies to this office within 21 days of the date on this letter, or this review may be rescinded and found "Not In Compliance". Construction shall NOT be authorized for all areas which may be affected by the deficiencies listed. The state inspector shall verify that written documentation has been received and acknowledged by the Plan Review Section of this office prior to allowing occupancy.

a) Fire Protection Systems: The building is NOT provided with an automatic sprinkler system. The system IS REQUIRED by IBC Section 903.2.1.3(2). The building is NOT provided with a fire alarm system. The system IS REQUIRED by IBC Section 907.2.1. (FIRE AREA OCCUPANT LOAD EXCEEDS 299 PERSONS - SEE 508.3.2.1 AND ITEM #13 OF THIS REVIEW LETTER)

NOTE: Provide the required Fire Protection Systems - OR - separate the building, with 2-hour fire barriers, into fire areas with a limited occupant load of less than 300 persons.

16. Means of Egress (additional requirements of the building code that are in excess of Life Safety Code requirements):

a) 1-hour rated construction separating Corridors from other parts of the building shall be fire-resistance rated fire partitions complying with IBC Section 708, per IBC Section 1017. Corridors shall not serve as the supply, return, exhaust, relief, or ventilation air ducts per IBC Section 1017.4.

17. Interior Environment:

a) Toilet room floor surfaces shall extend upward onto the walls at least 6 inches per IBC Section 1210.1. Walls within 2 feet of 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.

18. Structural Systems:

a) Gravity Load Data:

- Ground Snow loads are indicated as 5 psf.

b) Wind Design Data:

- Basic Wind Speed (3-second gust) is indicated as 110 MPH;

- Wind importance factor, I, is indicated as 1.00;

- Occupancy category is indicated as III;

- Wind exposure category is indicated as B;

- 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 C;

- The elevation of the proposed lowest floor is indicated as 71.00'.

19. 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:

Structural Systems:

(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)

- Floor live loads are not indicated.
- Corridor live loads are not indicated.
- Roof live loads are not indicated.

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)

- The internal pressure coefficient is not indicated; [ASCE 7-05 Figure 6-5]
- Design wind pressures used for the design of exterior components and cladding are not indicated.

c) Flood Design Data:

(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 to which the building will be dry floodproofed is not indicated.
- The design and construction of buildings and structures located in flood hazard areas shall be in accordance with ASCE 24, per IBC Section 1612.4.
- New structures that are classified as Category II and are located in Flood Hazard Areas shall have their lowest floor elevation elevated to at least one foot above the Base Flood Elevation (BFE) or above the Design Flood Elevation (DFE), whichever is higher, in conformance with Section 2 of ASCE 24-05, or shall comply with the dry floodproofing requirements of Section 6.0, per ASCE 24-05 Section 1.5.2.

20. **Construction Materials:**

- a) Each pane of safety glazing installed in hazardous locations shall be identified in accordance with IBC Section 2406.2.

21. **Mechanical Systems:**

- a) Commercial kitchen exhaust hoods shall comply with the requirements of IMC Section 507.
- b) Smoke detectors shall be installed in return air systems greater than 2000 cfm, in the return air duct or plenum upstream of any filters, exhaust air connections, outdoor air connections, or decontamination equipment and applications, per IMC 606.2.1. Where fire alarm system is required, duct detectors shall be connected to building alarm system.

22. **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) Floor drains in toilet rooms shall have 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.

23. **Electrical Systems:**
a) **Compliance with the 2005 NFPA 70, National Electrical Code (NEC), is mandated by LRS 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 INSPECTION requirements of the proposed electrical work.**
24. **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 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.

Fire Department access and water supplies within the scope of work shall be acceptable to the local fire department. Submit to the State Fire Marshal inspector, a review letter from the local fire department, stating that the access and water supply as proposed are acceptable. In lieu of a review letter, where the local fire department does not provide a formal review, the local fire department may indicate review of the access and water supplies by stating such on the plans bearing the State Fire Marshal review stamp.

REVIEWED BY:
JOHN WHITAKER
ARCHITECT

CC:
Child Development Council Of Acadiana
Opelousas Fire Chief*
Margaret Doucet*
Lafayette District* 3378861273