

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: P0376923
TABERNACLE BAPTIST CHURCH
2445 FOURTH AVE
SLIDELL, LA 70469

NFPA 101, 2006

ASSEMBLY 300 OCCUPANTS OR LESS

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 4,425 sf church.**
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. **24a.**
3. **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- 2004.**

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

4. **101:12.1.4 This review is based on an occupancy classification of ASSEMBLY < 300 in accordance with 101:6.1.1 and this section.**
5. **Section 36.102(e) of the Federal Register 28 CFR Part 36 states that "religious entities" are exempt from the requirements of title III of the Americans with Disabilities Act. Since it appears that the**

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facility is operated by a "religious entity", a review for ADAAG compliance has not been performed on this submittal.

Please return ALL reviewed documents with a written request for full ADAAG compliance review, if the exemption does NOT apply. A separate plan review application and fee will NOT be necessary.

6. 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.
7. 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.
8. 101:7.2.1.5 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.

Submit a "REQUEST FOR EXEMPTION" for special locking arrangements in accordance with Interpretive Memorandum 2006-03 available on our website at <http://www.dps.louisiana.gov/sfm/> under the PLAN REVIEW / FORMS section. Also see Interpretive Memorandum 2006-04 for clarification regarding "magnetic lock releasing devices".

NOTE: The "Life Safety and Property Protection Licensing Law" (LRS 40:1664 et seq.) requires locksmiths to be licensed. Contact the licensing section of this office at 225.925.7047 for guidance and assistance.

9. 101:7.2.1.5.9 Doors shall be capable of being opened with ONLY one releasing operation. A two-step release, such as a knob and an independent slide bolt, or an additional exit request button, is NOT acceptable.
10. 101:12.2.2.2 Doors in a required means of egress serving 100 OR MORE may be provided with a latch or lock only if it is panic hardware.
11. 101:7.2.2.2.1 Stairs shall comply with the appropriate Stair table.
 - a) 44 inch minimum width.
 - b) 7" maximum and 4" minimum rise.
 - c) 11" minimum tread depth.
 - d) 6'-8" minimum headroom.
 - e) 12 feet maximum height between landings.

- f) Landings (See 7.2.1.3, 7.2.1.4.4 and 7.2.2.3.2).
- g) Stair treads shall be uniformly slip resistant.
12. 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.
13. 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.
14. 101:12.3.3 Interior walls and ceilings shall have a flame spread of 0-200 and a smoke development rating of 0-450.
15. 101:12.5.1 Utilities shall comply with the provisions of Section 9.1.
16. HVAC system shall be constructed in accordance with 101:9.2.
17. 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.

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:

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);
2008 National Electric Code (NEC)

18. Building Planning:

a) Proposed Occupancy/Use Group Classification:

The occupancy is ASSEMBLY Group A-3 per IBC Section 303.

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.

19. Fire-Resistance-Rated Construction and Interior Finishes:

a. Interior walls and ceiling finishes at exit enclosures and exit passageways shall be Class A: Flame spread 0-25 smoke-developed 0-450.

b. Interior walls and ceiling finishes at corridors shall be Class A: Flame spread 0-25 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.

20. Fire Protection Systems:

a) The building is NOT provided with an automatic sprinkler system.

b) The building is NOT provided with a fire alarm system.

21. Means of Egress:

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

Additional requirements of the building code that are in excess of those cited above are as follows:

b) Each door in a means of egress from a Group A or E occupancy having an occupant load of 50 or more and any Group H occupancy shall not be provided with a latch or lock unless it is panic hardware or fire exit hardware.

22. 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 indicated as 100 psf AT ASSEMBLY AREA.

- First Floor live loads are indicated as 50 psf AT OFFICE AREAS.

- Roof live loads are indicated as 20 psf.

- Ground Snow loads are indicated as 0 psf, THE BUILDING SHALL BE DESIGNED FOR A 5 PSF SNOW LOAD.

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 33.6 psf.

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 AE10; [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 11.

23. Mechanical Systems:

NOTE: Section 403.1 through Section 403.7 of the "2007 Supplement to the IMC" has been adopted as part of the LSUCC by the Code Council. This change will also be included in the 2009 edition of the IMC.

a) Provide a lighting fixture in the Mechanical room, controlled by a switch located at the access opening. A receptacle outlet shall be provided at or near the appliance/equipment location, per IMC Section 306.3.1.

b) The minimum ventilation rate of outdoor air shall be determined in accordance with Section 403.3, as modified by the 2007 Supplement to the International Codes.

c) The ventilation air distribution system shall be provided with means to adjust the system to achieve at least the minimum ventilation airflow rate required. Ventilation systems shall be balanced by an approved method. Such balancing shall verify that the ventilation system is capable of supplying the airflow rates required by Section 403, per IMC 403.7 (2007 supplement).

d) 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.

e) 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.

f) 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.

g) Where multiple air-handling systems share common supply or return air ducts or plenums with a combined design capacity greater than 2000 cfm, the return air system shall be provided with smoke detectors in accordance with IMC Section 606.2.1. Individual detectors for each air handler shall not be required, provided that such units are not greater than 2000 cfm and will be shut down by smoke detector(s) required by IMC Sections 606.2.1 and/or Section 606.2.3 and comply with Sections 606.4 and 606.4.1.

24. 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 at least the minimum type(s) of rest room plumbing fixtures provided for in LSPC Section 407. 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:

TWO DRINKING FOUNTAINS

25. Fuel Gas: NO WORK INDICATED, NOT REVIEWED

26. Electrical Systems: NO APPARENT DEFICIENCIES DETECTED

27. 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:
DAVID JONES
ARCHITECT**

**CC:
Tabernacle Baptist Church
St Tammany Fire Protection District No 1*
Baton Rouge District* 2259253650**