

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

PAUL SMITH
FIRE MARSHAL

NEW CONSTRUCTION

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

RE: P0334425
EL BETHEL PENTECOSTAL CHURCH
ALLEN RD
SLIDELL, LA 70458

NFPA 101, 2003

ASSEMBLY OVER 300 OCCUPANTS

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:

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

1. 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 90.1-2004, with State amendments. The applicable standard for all other buildings, except one and two family dwellings, is the International Energy Conservation Code, 2006 edition. If the required Energy Code documents are not submitted, reviewed, and found to be in compliance within 21 days from the date of this letter, the following statement shall apply:

THE PLANS DO NOT APPEAR TO COMPLY WITH THE COMMERCIAL BUILDING ENERGY CONSERVATION CODE.

Building construction/licensing may begin, but a submittal with the required energy code documentation must be presented to this office for evaluation. Submittals to this office for re-evaluation after 21 days from the date of this letter shall include an additional review fee of \$10.00, (per LRS 40:1730.47.A). 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).

This item is deficient in that the incorrect edition was submitted.

2. 101:12.2.2.2.2 Doors in a required means of egress serving Classrooms 1, 2 and 3 may be provided with a latch or lock only if it is panic hardware.
3. 101:7.2.1.4.2 Doors shall swing in the direction of egress travel where serving a room or area with an occupant load of 50 or more. Doors serving Classroom 1, 2 and 3 shall swing in the direction of egress travel.
4. 101:7.1.3.2(6)(d) Enclose the interior exit stair with a 1 hour fire barrier and 1 hour fire protection rated door as noted on the contract documents or remove the HVAC duct.

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

5. Act No. 110 was signed by the Governor and became effective on June 22, 2007. As such, the plans and specifications for every commercial building built or remodeled in the state must be drawn in accordance with the requirements of the revised Commercial Building Energy Conservation Code. The applicable standard for commercial buildings, except low-rise residential buildings, is the American Society of Heating, Refrigerating and Air Conditioning Engineers and Illuminating Engineering Society of North America Standard 90.1-2004 Edition (ANSI/ASHRAE/IESNA 90.1-2004), with State amendments. The applicable standard for all other buildings, except one and two family dwellings, is the International Energy Conservation Code, 2006 edition. 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).
6. LRS 40:1625 Submit automatic sprinkler system shop drawings with plan review application and fee prior to installation of any work to this system. Such work shall not commence until the shop drawings are reviewed and appear to satisfactorily comply with the laws, codes, rules, and regulations enforced by this office.

Be advised that a sprinkler system that satisfies the requirements of NFPA 101 Life Safety Code, NFPA 13, NFPA 13R and/or NFPA 13D may not necessarily be considered by the building insurance underwriters as "full coverage" or "fully sprinklered", for insurance purposes.
7. LRS 40:1651 Submit fire alarm 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. The submittal shall include a copy of this letter and shall be in accordance with the submittal requirements outlined in the memorandum dated June 24, 1993 which was distributed from this office to all state licensed fire alarm contractors, architects and engineers. Specify the "Type of Signaling System" to be utilized, identify the monitoring station, describe the evacuation system ("zoned" or "general"), and include information concerning the means of protecting fire command centers, circuitry, and other essential equipment, such as may be required for high-rise buildings, as applicable.
8. Shop drawings for fire protection systems, such as Fire Alarm, Sprinklers, and 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.

9. 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.
10. Residential cooking equipment in Kitchen shall only be used for warming or limited cooking that produces no grease-laden vapors. Otherwise, cooking equipment shall be protected in accordance with NFPA 96. (See NFPA 96:1.1.4 and ANNEX statement A.1.1.4).
11. 101:12.3.3 Interior walls and ceilings shall have a flame spread of 0-200 except in exit stairs which shall have a flame spread of 0-75 and a smoke development rating of 0-450.

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);
- 2005 National Electric Code (NEC)

12. **Building Planning:**
 - a) **Proposed Occupancy/Use Group Classification:**
The occupancy is a Group A-3 per IBC Section(s) 303.
 - b) **Special Occupancy Areas:**
There are no special occupancy areas.
 - c) **Incidental/Accessory Use Areas:**
There are no incidental use areas but there is accessory business occupancy per IBC Section 508.
 - d) **Construction Type/Building Limitations:**
The construction type is indicated to be Type IIB per IBC Section 602.
The proposed construction is within the allowable height and area limitations of Table 503.
13. **Fire-Resistance-Rated Construction and Interior Finishes:**
 - a) No apparent deficiencies were found.
14. **Fire Protection Systems:**
 - a) The building is provided with an automatic sprinkler system. The system is required by IBC Section 903.2.1.3(3).
 - b) The building is provided with a fire alarm system. The system is required by IBC Section 907.2.1.
15. **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) Corridors shall be separated by minimum 1-hour fire-resistance rated fire partitions complying with IBC Section 708, per IBC Section 1017.

16.

Interior Environment:

a) 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.

17.

Structural:

a) Gravity Loads:

First Floor is slab on grade.

Floor live loads above the first floor are 40 psf;

Corridor live loads are correct indicated as 80 psf.; [IBC Table 1607.1 and/or ASCE 7-05 Table 4-1]

Roof Live load is 20 psf; [Table 1607.1]

Roof (ground) snow load is 5 psf; [IBC Figure 1608.2]

b) Wind Design Data:

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

Wind importance factor, is 1.15; [ASCE Table 6-1]

Occupancy category is III; [IBC Table 1604.5 and/or ASCE 7-05 Table 1-1]

Wind exposure category is B; [IBC Section 1609.4.3]

The internal pressure coefficient is +/- .55; [ASCE 7-05 Figure 6-5]

Design wind pressures used for the design of exterior components and cladding was not provided.

Protection of openings for wind-borne debris is required.

c) Flood Design Data:

The flood hazard area established for the site is identified as Zone AE13; [IBC 1603.1.6]

The elevation of the proposed lowest floor is indicated to be 13'-0"; [IBC 1612.5]

d) New structures that are classified as Category II and III that are located in Flood Hazard Areas not identified as Coastal High Hazard Areas or Coastal A Zones shall have their lowest floor elevation (including basements) 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.

18.

Mechanical Systems:

a) 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.

b) 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.

c) 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.

19.

Plumbing Systems:

a) In accordance with LRS Title 51, Parts XV, XVIII, XIX, XX, XXI, and XXIII, plans and specifications shall be submitted to the state health officer for review and approval. Submit to the following regional office for review:

Southeast Region IX

2454 Koop Drive, Suite 1C
Mandeville, LA 70471

20. Fuel Gas:
a) No apparent deficiencies were found.
21. Electrical Systems:
a) No apparent deficiencies were found.

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.

REVIEWED BY:
MICHAEL MCLEAN
PLAN REVIEW DEPUTY

CC:
Eugene Wellington
St Tammany Fire Protection District No 1*
City Of Slidell*
New Orleans District* 5042194600