

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

AMENDED LETTER

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

RE: P0333770
ALDERSGATE UNITED METHODIST
CHURCH
360 ROBERT ROAD
SLIDELL, LA 70458-0000

NFPA 101, 2006

EDUCATIONAL
ASSEMBLY OVER 300 OCCUPANTS
STORAGE

Dear Applicant:

This is to advise that the previous review letter dated 10/21/2007 for this project is hereby amended as follows:

This letter reflects modifications to the original submittal, based upon correspondence from the Professional of Record, dated November 14, 2007.

1. **Add the following comment(s) to the original review letter for this project:**

NOTE: HOOD CONSTRUCTION IS NOT AUTHORIZED until a satisfactory review by this office is performed for determining compliance with minimum code requirements. Compliance with NFPA 96, regarding cooking hood construction/installation, cannot be determined with the documents received. (A copy of the "Kitchen Exhaust Hood/Duct/Suppression System Requirements" is enclosed for your use). The following specific information was not apparently provided:

- a. Hood and duct sizes, metal type and gauge (thickness).
- b. The type of construction at the walls, attic and roof adjacent to the hood and duct. Include methods of required protection of the construction at combustible and limited combustible construction.
- c. The clearances between the hood and surrounding walls and ceiling. Including methods used to reduce required clearances
- d. The clearance between the exhaust duct and surrounding structure at the ceiling, the attic, and the roof. Include listed tested assemblies where penetrations of fire rated construction is required.
- e. The clearances at the exhaust fan assembly.
- f. Exhaust fan and make-up air fan (CFM) capacities and duct sizes.

2. Replace item no. 25 of original review letter for this project with the following:

Structural:

The manual used for structural design of this project is IBC SECTION 1609 and ASCE7-05, Method #2

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 at classrooms are 40 psf.
First Floor live loads at Gymnasiums, Corridors are 100 psf.
Floor live loads above the first floor are 80 psf.
Roof live loads are 20 psf.
Ground Snow loads are CORRECTLY 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 7-05. The following information related to wind loads shall be shown on the construction drawings, regardless of whether wind loads govern the design of the lateral-force-resisting system of the building, per IBC Sections 1603.1.4 and 1609.1.1:

Basic Wind Speed (3-second gust) - 130 MPH, per IBC 1609.3 and/or ASCE 7-05 Figure 6-1.

Wind importance factor, I, is 1.15, per ASCE Table 6-1.

Occupancy category is III, per IBC Table 1604.5 or ASCE 7-05 Table 1-1.

Wind exposure category is B, per IBC Section 1609.4.3.

The internal pressure coefficient is NOT INDICATED, per ASCE 7-05 Figure 6-5. THE PRE-ENGINEERED BUILDING DESIGN IS PERFORMED BY THE MANUFACTURER. DESIGN DOCUMENT SHALL BE PROVIDED TO THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

Design wind pressures used for the design of exterior components and cladding ARE NOT INDICATED.
THE PRE-ENGINEERED BUILDING DESIGN IS PERFORMED BY THE MANUFACTURER. DESIGN DOCUMENT SHALL BE PROVIDED TO THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

Protection of openings for wind-borne debris is required. DOCUMENTS INDICATE PROVISION OF COMPLIANT WOOD PANELS IN ACCORDANCE WITH 1609.1.2

c) Flood Loads:

The flood hazard area established for the site is identified as Zone X.
The elevation of the proposed lowest floor is indicated to be 20.06 FEET.

3. Replace item no. 26 of original review letter for this project with the following:

See added comment above regarding Type 1 hood construction, submittal requirements

4. NOTE: The rest of the original review letter for this project shall remain applicable. Please enclose a copy of this letter with future submittals or other correspondence pertaining to this project.

This review applies to the work indicated on the drawings or specifications.

This review shall in no way permit 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).

The above amended review is valid if construction starts within 180 days from the above date of the original review letter.

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. Approved plans must be available on job site at time of inspection. Certificate of completion must be provided to inspecting Deputy for final inspection.

REVIEWED BY:
JAMES WAITE
ARCHITECT

CC:
Aldersgate United Methodist Ch
St Tammany Fire Protection District No 1*
City Of Slidell*
New Orleans District* 5042194600



STATE OF LOUISIANA
DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONS

OFFICE OF STATE FIRE MARSHAL

CERTIFICATE OF COMPLETION

DATE

STATE FIRE MARSHAL PROJECT P0 _____ SYSTEM TYPE _____
STATE FIRE MARSHAL PROJECT P0 _____ SYSTEM TYPE _____
STATE FIRE MARSHAL PROJECT P0 _____ SYSTEM TYPE _____
STATE FIRE MARSHAL PROJECT P0 _____ SYSTEM TYPE _____

Please list all projects pertaining to this building, scheduled for review at this time. System type refers to Architectural, Fire Alarm, Kitchen Hood/Wet Chemical Suppression, Fire Suppression, or Storage Tank.

To arrange for inspection of the project, please contact the district office two (2) to three (3) weeks in advance. To verify inspection district and phone number please refer to the cc list on the last page of the State Fire Marshal review letter. The plans stamped reviewed by this office must be available on job site at time of inspection. This Certificate Of Completion must be provided to the inspecting deputy at final inspection.

This is to certify that,

PROJECT TITLE FROM APPLICATION		
PROJECT ADDRESS		
CITY	STATE	ZIP CODE

was periodically observed by me, by my consultants, and/or by others in my employ during construction and, to the best of my knowledge, information and belief, has been completed in accordance with the safety provisions which were shown in the plans and specifications previously reviewed by the Fire Marshal.

UNDER PENALTY OF LAW FOR FALSE STATEMENTS, I,

NAME OF ARCHITECT OR ENGINEER IF
REQUIRED, OTHERWISE OWNER

PRINTED NAME

SIGNATURE

ARCHITECT/CIVIL ENGINEER LICENSE
NUMBER

CERTIFY ALL STATEMENTS CONTAINED HEREIN ARE, TO THE BEST OF MY
KNOWLEDGE, INFORMATION AND BELIEF, TRUE AND CORRECT

LAC 55:V:307 OBSERVATION OF CONSTRUCTION

A. For a structure which by law may only be constructed with plans prepared and certified by a licensed architect or civil engineer, it shall be the duty of the owner of such a structure to provide for periodic observation of the construction of the structure to determine if the work is proceeding in accordance with the plans and specifications as approved by the fire marshal. The observations shall be performed by a registered architect or a registered civil engineer.

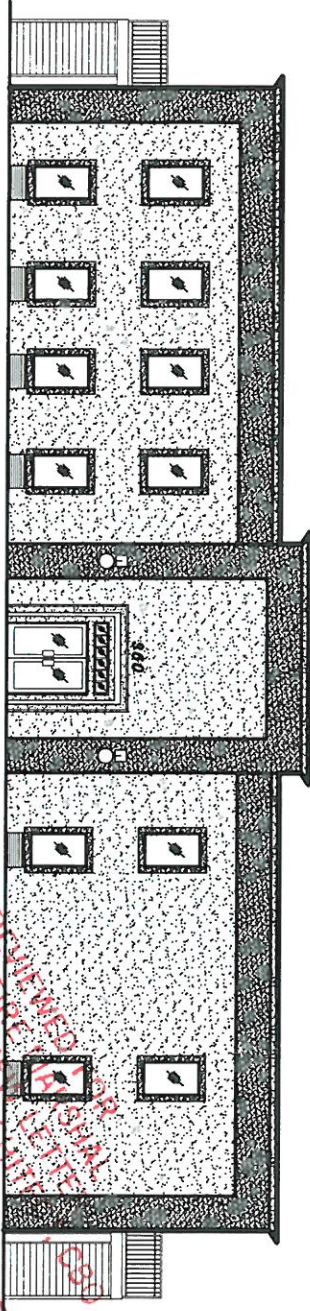
B. Upon completion of such work, where the law requires the owner to engage an architect or registered civil engineer, the owner shall furnish to the fire marshal a certificate signed by a registered architect or registered civil engineer stating that the periodic observations have been made and that to the best of the architect's or engineer's knowledge, information and belief, the work was completed in accordance with those fire safety standards and regulations stipulated in the plans and specifications previously approved by the fire marshal. When the owner has not engaged an architect or registered civil engineer, and the same is not required by law, the owner must submit the certificate of completion when appropriate, but always under his signature.

C. Occupancy of a structure, watercraft or movable prior to furnishing a certificate to the fire marshal as required under this regulation is expressly forbidden by the fire marshal, unless and until a satisfactory inspection has been made by the fire marshal or his certified representative.

D. In order to comply with the requirements of §307.B, the owner must submit to the fire marshal the following certificate completed by the architect, civil engineer, or, if neither is required by law, the owner.

SPRINKLED

ALDRERGATE UNITED METHODIST SUNDAY SCHOOL / GYMNASIUM 360 ROBERT ROAD SLIDELL, LOUISIANA



INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

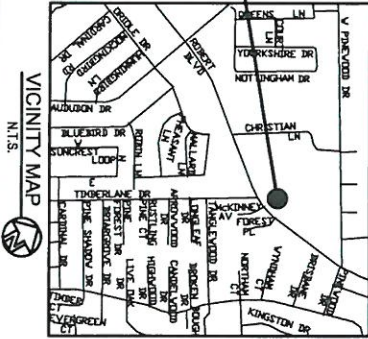
- OCCUPANCY CLASSIFICATION: ASSEMBLY GROUP A-3 (SEC 203)
- TOTAL BLDG. SQ. FT. = 3,493
- OCCUPANT LOAD: (IB, 100/LI)
- FIRE AREA 1: ASSEMBLY USE, LESS CONCENTRATED, WITHOUT FIXED SEATING IS NOT RATED - 2824 PERSONS
- FIRE AREA 2: CLASSROOM ASSEMBLY USE, CONCENTRATED 7 METERS - 2553 PERSONS
- EXIT ACCESS TRAVEL DISTANCE: (SEC 1016.1)
- OCCUPANCY A UNSPRINKLED SYSTEM = 200 FEET
- CONSTRUCTION CLASSIFICATION: (SEC 602.3)
- TYPE 1B
- ALLOWABLE HEIGHT AND BLDG. AREA: (IB, 503)
- ASSEMBLY GROUP A-3 ALLOWABLE 2.50 ORS 9000 SQ. FT.
- FIRE RESISTANCE RATING REQUIREMENTS FOR BLDG. ELEMENTS: (IB, 607)
- ROOF: 1-HR. RATED ROOFING
- BEARING WALLS: 2-HR. RATED
- NON-BEARING WALLS: 0-HRS.
- FLOOR CONSTRUCTION: 0-HRS.
- ROOF CONSTRUCTION: 0-HRS.
- FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS: (IB, 602)
- EXTERIOR WALLS WITH 30' FIRE SEPARATION DISTANCE: 0-HRS.
- MAX. AREA OF EXTERIOR WALL OPENINGS: (IB, 704.9)
- BLDG. WITH 30' FIRE SEPARATION DISTANCE ALLOWED UNLIMITED PROTECTED AND UNPROTECTED OPENINGS
- FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 907)
- THIS BLDG. SHALL BE PROVIDED WITH AN SPRINKLED FIRE PROTECTION SYSTEM IN ACCORDANCE WITH SEC 902.21
- CONSTRUCTION DOCUMENTS: (SEC 1603)
- THIS BLDG. SHALL BE DESIGNED IN ACCORDANCE WITH IBC SECTION 1609 AND ASCE 7-02 USING METHOD 2 AS A FULLY PRECISED BLDG. USING THE FOLLOWING INFORMATION:
- CATEGORY II BLDG.
- WIND SPEED DURATION SECOND DURATION: 125 MPH (IB, 1609)
- IMPORTANCE FACTOR: 1.15 (IB, 1604.5)
- EXPOSURE B: DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1606 (SEC 1608.4)
- GROUND SNOW LOADS: 5 PSF (IB, 1608.2)

- MINIMUM FLOOR & ROOF LIVE LOADS (SEC 1607.1)
- CORRIDORS: 80 PSF
- 1ST FLOOR CLASSROOMS: 40 PSF
- CORRIDORS ABOVE FIRST FLOOR: 80 PSF
- 1ST FLOOR STORAGE: 100 PSF
- 2ND FLOOR STORAGE: 125 PSF
- ROOF: 20 PSF (UNCONCENTRATED)
- ROOF LOADS 50 PSF (IB, 1608)

ALL GLAZING SHALL HAVE A MINIMUM SIZE WOOD FRAME WITH ALL PANELS WITH A MINIMUM THICKNESS OF 3/4" FOR 1 AND A MAXIMUM PANEL SIZE OF 8 FEET. PANELS WILL BE PRECUT AND STORED SO THAT THE PANELS WILL BE EASILY ATTACHED TO THE WINDOW FRAMEWORK. THE HORIZONTAL AND VERTICAL MEASUREMENTS SHOWN ON THIS PLAN OR BY OTHER APPROVED METHOD SHALL BE USED.

WINDBORNE DEBRIS PROTECTION FASTENING SCHEDULE FOR WOOD STRUCTURAL PANELS	WIND SPEED (MPH)	WIND EXPOSURE CATEGORY	FASTENING TYPE	FASTENING SPACING (IN)
WOOD STRUCTURAL PANELS	70-100	I	1/4" x 6" DWS	12" (max)
				12" (max)
	101-130	I	1/4" x 6" DWS	12" (max)
				12" (max)
131-150	II	1/4" x 6" DWS	12" (max)	
			12" (max)	
151-170	II	1/4" x 6" DWS	12" (max)	
			12" (max)	

WORK SITE



REVIEWED BY: JAMES WAITE, ARCHITECT
STATE FIRE MARSHAL
AS PER REVISED 11/8/2007
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REVISED 11/8/2007

INDEX OF DRAWINGS

DWG	DRAWING NAME	REVISION
C1	COPY OF SURVEY	
C2	SITE PLAN	
C3	FOUNDATION PLAN	
C4	FOUNDATION PLAN	
C5	UTILITY PLAN	
C6	FOUNDATION DETAILS	
C7	FOUNDATION PLAN	
C8	FOUNDATION LAYOUT	
A1	FLOOR PLAN FIRST FLOOR	
A2	FLOOR PLAN SECOND FLOOR	
A3	SECTION NOTES & DETAILS	
A4	FRONT AND REAR ELEVATIONS	
A5	LEFT AND RIGHT SIDE ELEVATIONS	
A6	REFLECTED CEILING PLAN	
H1	HANDICAP DETAILS	
H2	HANDICAP DETAILS	
M1	Mechanical PLAN	
E1	POWER PLAN 1ST FLOOR	
E2	LIGHTING PLAN 1ST FLOOR	
E3	POWER PLAN 2ND FLOOR	
E4	LIGHTING PLAN 2ND FLOOR	
E5	ELECTRICAL SCHEDULE AND NOTES	
P1	PLUMBING PLAN	
P2	PLUMBING SCHEDULE AND NOTES	

