

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: P0371441
HONAKER FUNERAL HOME -NEW
CREMATION & EMBALMING
1751 W GAUSE BLVD
SLIDELL, LA 70458

NFPA 101, 2006

INDUSTRIAL

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 2,100 sf crematory. Documentation was received which indicated that the manufacturer of incinerator had a U.L. Listing of NEGT.MH19634, WHICH APPEARS TO COMPLY WITH NFPA 82.**
2. **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 COMMENTS LISTED BELOW IDENTIFY APPARENT DEFICIENCIES DETECTED IN OUR REVIEW OF THE DOCUMENTS SUBMITTED.

3. **101:7.2.1.2.4 and 7.1.5.1 A doorway in a means of egress shall provide at least 32" in clear width (consider installing 36" wide doors) and at least 6'-8" in nominal height. Where a pair of doors is provided, at least one leaf shall comply with clear width requirement. SEE DOOR MARKED #7.**
4. **82:4.2.7.2 Doors leading to other parts of the building from the incinerator room shall be rated 1 1/2 hours.**

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

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5. **101:40.1.4** This review is based on an occupancy classification of **INDUSTRIAL** in accordance with **101:6.1.1** and this section.
6. This review applies to new work indicated in the drawings and does not apply to existing non-conforming conditions.
7. **RS 40:1563** The state inspector shall verify existing conditions and issue a report citing non-conforming conditions at the time of final inspection.
8. High hazard storage (including oxidizers) or processes are not included in this review. If this facility is planning to handle or store materials of this nature, then plans and details shall be resubmitted for review prior to starting construction.
9. This exception is intended to apply to buildings used as general warehouses, special purpose industrial structures such as unoccupied equipment buildings, general purpose industrial buildings, etc.

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-AG 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 will require the upgrading of all existing non-complying features to conform with 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 handicapped individuals or concerning handicapped accessibility to any part of the facility, then this office shall reserve the right to investigate the complaint and, if justified, shall reserve 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 indicates specific compliance with state regulations and does not guarantee nor attempt to circumvent compliance with federal law.
10. **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.
 11. **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.

12. **101:40.3.3 Interior walls and ceilings shall have a flame spread of 0-200 and a smoke development rating of 0-450.**
13. **101:40.5.1 Utilities shall comply with the provisions of Section 9.1.**
14. **101:9.1.1 Install gas piping in accordance with NFPA 54.**
15. **101:9.2.2 Gas-fired equipment (furnaces, space heaters, water heaters, etc.) shall be U.L. listed for its intended use and shall be installed and vented in accordance with NFPA 54.**
16. **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.**
17. **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.**
18. **101:9.5.2 Incinerator, waste handling, laundry handling and waste compactors shall comply with NFPA 82.**
19. **82:4.1.1.1 Install equipment in accordance with NFPA 54.**
20. **82:4.1.1.3 Provide safety controls in accordance with this section.**
21. **82:4.1.3.5 Air ducts shall comply with this section and in accordance with NFPA 90A.**
22. **82:4.2 The design and construction of incinerators shall comply with this section.**
23. **82:4.3 Chimneys for incinerators shall comply with this section.**
24. **101:40.5.4 Rubbish chutes, incinerators, and laundry chutes shall comply with the provisions of Section 9.5.**

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)

25. Building Planning:

a) Proposed Occupancy/Use Group Classification:

The occupancy is **FACTORY INDUSTRIAL** Group F-1 per IBC Section 306.

b) Special Occupancy Areas:

There are **NO** special detailed requirements.

c) Incidental/Accessory Use Areas:

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

d) Construction Type/Building Limitations:

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

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

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

a) Fire barriers complying with IBC Section 706 shall separate CREMATORY 103.

b) 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 706.5.

c. Interior walls and ceiling finishes at exit enclosures and exit passageways shall be Class B: Flame spread 0-75 smoke-developed 0-450.

d. Interior walls and ceiling finishes at corridors shall be Class C: Flame spread 0-200; smoke-developed 0-450.

e. Interior walls and ceiling finishes at rooms and enclosed spaces shall be Class C: Flame spread 0-200; smoke-developed 0-450.

27. Fire Protection Systems:

a) The building is provided with an automatic sprinkler system. The system is required TO BE ELECTRONICALLY SUPERVISED IN ACCORDANCE WITH IBC SECTION 903.4.

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

28. Means of Egress:

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

29. Interior Environment:

a) Each enclosed attic and each enclosed rafter space shall be provided with cross ventilation in accordance with IBC Section 1203.2. A minimum of 1 inch of airspace shall be provided between the insulation and the roof sheathing.

b) An opening not less than 20 inches by 30 inches shall be provided to any attic area having a clear height of over 30 inches. A 30-inch minimum clear headroom in the attic space shall be provided at or above the access opening, per IBC Section 1209.2.

c) Access to mechanical appliances installed in under-floor areas, in attic spaces and on roofs or elevated structures shall be in accordance with the International Mechanical Code, (IMC), per IBC Section 1209.3.

30. 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 60 psf.

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

- Ground Snow loads are indicated as 0 psf. ACCORDING TO TABLE 1608.2 THE GROUND SNOW LOAD IS INDICATED TO BE 5 PSF, DESIGN STRUCTURE ACCORDINGLY.

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 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. METHOD OF OPENING PROTECTION IS INDICATED ON SHEET A-3 OF 1ST SUBMITTAL.

c) Flood Design Data:

The flood hazard area established for the site is identified as Zone C; [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 13.0 FT.

31. 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) Attics containing appliances requiring access shall be provided with an opening and unobstructed passageway large enough to allow removal of the largest appliance in accordance with this section. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches, where such dimensions are large enough to allow removal of the largest appliance, per IMC Section 306.3.

b) 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.

c) 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.

32. 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. **NO APPARENT DEFICIENCIES DETECTED.**

33. Fuel Gas:

a) Equipment installed in outdoor locations shall be either listed for outdoor installation or provided with protection from outdoor environmental factors that influence the operability, durability and safety of the equipment, per IFGC Section 303.6.

b) Provide combustion, ventilation, and dilution air calculation in accordance with IFGC, Sections 304, 304.5 and 304.6.

c) Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested in accordance with IFGC Section 406.

d) Piping systems shall be provided with shutoff valves, flow controls, and overpressure protection devices in accordance with IFGC Sections 409, 410 and 416.

34. Electrical Systems:

a) Confirm 240 v is applicable with 3-phase service and panel.

35. 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:
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