

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: P0387276
CBO'S SOFT TOUCH CARWASH
LOT 5A EAST HALL
SLIDELL, LA 70469

NFPA 101, 2009

BUSINESS

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 2,190 sf Car wash facility.**
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. 17a.

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

3. **101:38.1.4 This review is based on an occupancy classification of BUSINESS in accordance with 101:6.1.1 and this section.**
4. **Insulation and insulation assemblies shall meet the requirements of Section 719, International Building Code, 2006 Edition.**
 - a) **Concealed and exposed insulation shall have a flame spread of 0-25 and a smoke developed of 0-450 in accordance with IBC 719.**

5. **LRS 40:1731-(Effective 8/15/95) Provide access for persons with disabilities in accordance with ADA-AG (Accessibility Guidelines - September 1994). This does not include a review for compliance with the Federal Americans with Disabilities (Civil Rights) Act of 1990. Compliance with state regulations and requirements does not guarantee compliance with federal law.**

"CAUTIONARY/INFORMATIONAL" items and paragraph references are noted as follows:

- a) **4.5.2 Thresholds shall comply with requirements of this section regarding changes in level. (Not more than 1/2" height and beveled if over 1/4").**
- b) **4.13.9 Door hardware shall comply with this section. Hardware shall not require tight grasping, tight pinching, or twisting of the wrist to operate.**
- c) **4.1.3(11) and 4.1.6(3)(e) ALL public and common use toilet rooms shall comply with requirements of this Section 4.22.**
- d) **4.19 Lavatories shall comply with the following:**
- 1. 4.19.2 Lavatories shall be mounted with a clearance of at least 29" from the floor to the bottom of the apron. Knee and toe clearances shall comply with Fig. 31.**
 - 2. 4.19.4 Hot water and drain pipes shall be insulated or covered.**
 - 3. 4.19.5 Faucets shall comply with 4.27.4.**
 - 4. 4.19.6 Mirrors shall be mounted with the bottom edge not more than 40" from the floor.**
- e) **4.16.4 Toilet room grab bars shall comply with 4.26 and Fig. 29. (Provide a 42" long grab bar adjacent to toilet and a 36" long grab bar behind toilet).**
6. **101:7.1.5.1 Headroom shall be not less than 7'-6" in a means of egress with no projection less than 6'-8" nominal height from the floor.**
7. **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.**
8. **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.**
9. **101:7.5.2.1 Egress shall not be through a room subject to locking in the direction of egress.**
10. **101:38.3.3 Interior walls and ceilings shall have a flame spread of 0-200 and a smoke development rating of 0-450.**

11. **LAC 55:V:303.D Provide listed portable fire extinguishers in accordance with NFPA 10. (Refer to Appendix E for distribution information.)**

a) NFPA 10:5.2 Classifications for fires:

Class A fires-fires in ordinary combustible materials, such as wood, cloth, paper, rubber and many plastics.

Class B fires-fires in flammable liquids, combustible liquids, petroleum greases, tars, oils, oil-based paints, solvents, lacquers, alcohols and flammable gases.

Class C fires-fires that involve energized electrical equipment.

Class D fires-fires in combustible metals, such as magnesium, titanium, zirconium, sodium, lithium, and potassium.

Class K fires-fires in cooking appliances that involve combustible cooking media (vegetable or animal oils and fats.) (FOR USE ONLY AFTER ASSOCIATED FIRE SUPPRESSION SYSTEM HAS ACTIVATED AND ELECTRICAL POWER TO THE COOKING APPLIANCES HAS SHUNTED)

12. **101:38.5.1 Utilities shall comply with the provisions of Section 9.1.**

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)

13. **Building Planning:**

a) Proposed Occupancy/Use Group Classification:

The occupancy is BUSINESS Group B per IBC Section 304.

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.

14. **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 B: Flame spread 0-75 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.

15. 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.

16. Means of Egress:

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

17. 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 50 psf.
- Corridor live loads are indicated as 100 psf.
- Roof live loads are NOT indicated PROVIDE.
- Ground Snow loads are NOT indicated PROVIDE.

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 1.00; [ASCE Table 6-1]
 - Occupancy category is indicated as III; [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 INDICATED ON SHEET 1 OF 18.
- 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 AE, B.F.E. = 12FT; [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 12 FT.

18. **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.

NO APPARENT DEFICIENCIES DETECTED

19. **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.

20. **Fuel Gas: NO WORK INDICATED, NOT REVIEWED**

21. **Electrical Systems: NO APPARENT DEFICIENCIES DETECTED.**

22. **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:
Cecil Boyd
St Tammany Fire Protection District No 1*
Baton Rouge District* 2259253650