

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

HENRY H. FRY
DEPUTY ASSISTANT SECRETARY

RENOVATION

EDWARD GREMILLION, P E, C E
DAMMON ENGINEERING, INC
1095 FLORIDA AVE
SLIDELL, LA 70458-0000

RE: P0320959
ST TAMMANY PARISH SLIDELL
ADMINISTRATIVE COMPLEX
520 OLD SPANISH TRAIL
SLIDELL, LA 00000-0000

NFPA 101, 2003

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:

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

1. **LRS 40:1731-(Effective 8/15/95) Provide handicapped accessibility 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. Particular deficiencies and paragraph references are noted as follows:**
 - a) **4.22.3 Provide clear floor space at fixtures and controls. (see Women's restroom at level one)**
 - b) **4.16.2 and 4.17.3 The centerline of accessible toilets shall be 18" from the nearest adjacent wall as shown in Figures 28, 29, and 30. (See sheet A.21 for mark-up of deficient locations)**
 - c) **4.17 Provide at least one standard stall as shown in Figure 30(a) or 30(a-1). (This item is deficient in the toilet stall arrangements are not in accordance with in Figure 30(a) or 30(a-1).)**
 - d) **4.16.2 Clear Floor Space. Clear floor space for water closets not in stalls shall comply with Fig. 28. Clear floor space may be arranged to allow either a left-handed or right-handed approach. (This item is deficient in that the clear floor space has not been provided as indicated in Fig. 28. This restroom is the Drug Court restroom shown on sheet A.21.)**
 - e) **4.16.4* Grab Bars. Grab bars for water closets not located in stalls shall comply with 4.26 and Fig. 29. The grab bar behind the water closet shall be 36 in (915 mm) minimum. (This item is**

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deficient in that the grab bars were not indicated. This restroom is the Drug Court restroom shown on sheet A.21.)

2. LAC 55:305 Insulation and insulation assemblies shall meet the requirements of Section 718, International Building Code, 2000 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 718.

This item is deficient in that note #1 on sheet A.21 indicates section 719 instead of 718.

3. 101:7.2.1.4.2 Egress door(s) marked #7 at Clerk of Court 501 serving an area with 50 or more occupants shall swing in the direction of egress travel.

This item is deficient in that the occupant load exceeds 50 people and the doors are swinging inward.

4. 101:7.5.1.3 Two exits are required from Clerk of Court 501 and Council Chambers 510. Minimum distance between them, measured from closest jambs, shall be 1/2 the maximum diagonal length of space or area (1/3 the diagonal is permitted if the building is protected throughout by an approved SUPERVISED sprinkler system per 9.7).

This item is deficient in that these spaces require two exits (Clerk of Court 501, 80 persons > 50 persons and Council Chambers 510, 109 persons > 50 persons).

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

5. 101:38.1.4 This review is based on an occupancy classification of Business in accordance with 101:6.1.1 and this section.
6. Contact the local building official of the applicable local political subdivision to coordinate compliance with State Uniform Construction Code requirements. LRS 40:1730.23 mandates the enforcement of building codes by municipalities and parishes in Louisiana, as described by LRS 40:1730.28. LRS 40:1730.27 mandates the adoption and enforcement of emergency wind and flood mitigation for the coastal region of Louisiana (effective February 28, 2006).
7. 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- 2001.
8. LRS 40:1731-(Effective 8/15/95) Provide handicapped accessibility 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) 4.7.7 A curb ramp shall have a "detectable warning" complying with 4.29.2. The "detectable warning" shall extend the full width and depth of the curb ramp.

- b) 4.29.2 The "detectable warning" on walking surfaces shall contrast visually with adjoining surfaces, either light-on-dark, or dark-on-light. The material used to provide the contrast shall be an integral part of the walking surface.
 - c) 4.6.4 Handicap parking signage shall not be obscured by vehicle.
 - d) 4.1.2(1) A minimum 36" clear accessible route shall be maintained (See 4.6.3 and Fig. 9) and shall not be reduced by automobile bumpers overhanging the sidewalk.
9. LAC 55:305 Insulation and insulation assemblies shall meet the requirements of Section 718, International Building Code, 2000 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 718.
10. LRS 40:1711 Provide safety glazing in hazardous locations at where applicable.
11. Modifications to the existing sprinkler system shall be in accordance with NFPA 13.
12. 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.
13. 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.
14. 101:7.2.2.3.3 Projections or lips at nosings of stair treads that are a tripping hazard are not permitted.
15. 101:7.2.2.4.4.1 Handrails shall be no lower than 34" nor higher than 38" above the leading edge of the tread surface.
16. 101:7.2.2.4.4.10 Where a stair handrail is not continuous between landings, it shall continue to slope for a depth of one tread beyond the bottom riser and shall extend 12" level with the landing

at the top riser. In addition, if a handrail is to provide for handicapped accessibility, an additional 12" extension is required at the bottom level with the landing in accordance with ADAAG 4.9.4(2).

17. 101:7.2.2.4.4.7 and 7.2.2.4.4.6(1) Handrails shall be continuously graspable along the entire length. Handrails shall be from 1-1/4" to 2" in diameter.
18. 101:7.2.2.4.4.5 Provide a minimum clearance of 2-1/4" between the handrails and the walls or guards to which they are attached.
19. 101:7.2.2.4.5.3 Guard rail openings shall be such that a 4" diameter sphere shall not pass through, up to a height of 34".
20. 101:7.2.2.4.5.2 Guard rails shall be at least 42" high.
21. 101:7.2.2.4.5.2 and 101:7.1.8 Guard rails shall be at least 42" high and are required when a change in elevation exceeds 30".
22. Doors at all stairs shall be protected in accordance with 8.3.4.
23. 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.
24. LAC 55:V:303.D Provide listed portable fire extinguishers in accordance with NFPA 10. (Refer to Appendix E for distribution information.)
25. 101:38.3.3 Interior walls and ceilings shall have a flame spread of 0-200 except in exits and in exit access corridors which shall have a flame spread of 0-75 and a smoke development rating of 0-450.
26. 101:38.3.4 Provide a fire alarm system in accordance with 101:9.6.
27. 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.
28. 101:9.1.1 Install gas piping in accordance with NFPA 54. (Please disregard if there is absolutely no gas piping in this project.)

- a) 54:8.4.3 Gas utilization equipment located on roofs or other elevated locations more than 15 feet in height shall have an inside means of access to the roof complying with 54:8.4.3.3 and 8.4.3.4.
 - b) 54:8.4.2.2 Locate gas utilization equipment on roof 6-feet minimum from the edge or provide an acceptable 42-inch minimum barrier on the exposed side.
 - c) 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.
 - d) RS 23:536 Boilers, Pressure Vessels, and water heaters of 50 gallon capacity or larger and/or 100,000 BTU/HR heat input shall conform with the provisions of the Louisiana Boiler Inspection Law in accordance with adopted rules and regulations. (Contact our Boiler Section (800-256-5452) with any questions concerning this requirement.)
29. LRS 40:1653 and 40:1628 All work and inspections of fire alarm, fire suppression, automatic sprinkler and fire extinguishing systems or portable fire extinguishers shall be performed by a State of Louisiana certified agent.
30. 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.
31. NOTE: Please enclose a copy of this letter with future submittals or other correspondence pertaining to this project.

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)

32. Scope of Work: This review is for the renovations of an existing building.
33. Building Planning:
- a) Proposed Occupancy/Use Group Classification:
The occupancy is Business Group B per IBC Section 304.

b) Construction Type/Building Limitations:

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

The proposed construction is within the allowable height and area limitations of Table 503.

34. Fire-Resistance-Rated Construction and Interior Finishes: Appears to Comply

Fire-Resistance rating requirements for building elements shall comply with IBC Table 601: Appears to Comply. Construction shall comply with IBC Sections 703 and 714.

Fire barriers complying with IBC Section 706 shall separate shaft enclosures at northwest and northeast corners as well as all exit enclosures.

Interior Finishes:

Interior walls and ceiling finishes shall be as indicated in the Life safety review.

35. Fire Protection Systems:

The building is provided with an automatic sprinkler system.

The building is provided with a fire alarm system.

36. Occupants:

1) Means of Egress:

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

37. Structural: As indicated on Sheet 1 of 86, appears to comply.

38. Mechanical Systems: Appears to Comply (comply with applicable notes from the Life Safety Review.)

39. Plumbing Systems:

A limited review to determine required number of plumbing fixtures was performed, only. Number of water closets and drinking fountains provided appears to comply with Table 407. Provide an accessible drinking fountain per each story in accordance with Table 407.

40. Fuel Gas: None indicated.

41. Electrical Systems: Appears to comply.

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 applies to work indicated in the drawings or specifications. Existing portions of the facility of building unaffected by the new work shall comply with LAC 55:103B thru 55:103F.

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:
DAVID JONES
ARCHITECT

CC:
St Tammany Parish Government