

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

RENOVATION

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

RE: P0390487
PATTERSON DENTAL SUPPLY
107 MALLARD STREET
SAINT ROSE, LA 70087

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 the renovation of a 15,000 sf area in an existing building for Business and Industrial use.**
2. **This review applies to new work indicated in the drawings and does not apply to existing non-conforming conditions.**
3. **101:4.6.11.1 Buildings or portions of buildings shall be permitted to be occupied during construction, repair, alterations, or additions only if all means of egress and all fire protection features are in place and continuously maintained for the portion occupied.**
4. **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.**
5. **RS 40:1563 The state inspector shall verify existing conditions and issue a report citing non-conforming conditions at the time of final inspection. In particular, the following issues were discovered in plan review that are of life safety concern and may be deficient:**
 - a) **Compliance of existing ramps, stairs, guard rails and handrails.**
 - b) **Separation at existing Janitor Room.**
6. **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.**

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

7. **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. Particular deficiencies and paragraph references are noted as follows:**
 - a) 4.1.6(1)(b) If existing elements, spaces, or common areas are altered, then each such altered element, space, feature, or area shall comply with the applicable provisions of 4.1.1 to 4.1.3.
 - b) 4.1.3(9) and 4.3.10 Each required exit at the Level of Exit Discharge (L.E.D.) shall be an accessible means of egress to grade. **PROVIDE RAMP AT NEW MEANS OF EGRESS.**

8. **101:38.3.2 Separate REPAIR ROOM, NEW REPAIR ROOM & STORAGE ROOM from other parts of the building by 1 hour fire resistive construction with self-closing 45 minute labeled door/frame assembly in accordance with Section 8.7.1 WITHOUT WINDOWS, -OR- provide automatic sprinkler protection in accordance with Section 9.7 and smoke partitions with self-closing doors in accordance with Section 8.4. (Sprinkler piping for isolated hazardous areas connected to domestic water supply shall comply with 101:9.7.1.2). PROVIDE RATED DOORS - RATING OF DOORS NOT INDICATED ON THE DRAWINGS.**

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

9. **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, IS NOT INCLUDED IN THIS REVIEW. Contact the building official of the applicable political subdivision to coordinate compliance with these requirements. LRS 40:1730.23 mandates the enforcement of building codes by municipalities and parishes in Louisiana, as described by LRS 40:1730.28.**

Note: In accordance with LRS 40:1730.39.A, this office may establish contract agreements with municipalities and parishes in order to provide code enforcement on their behalf, as provided in LRS 40:1730.24. Please visit our web site at <http://www.dps.state.la.us/sfm/index.htm> for a current list of jurisdictions requesting plan review by this office, a fee schedule, and a checklist of information required for review.

PROVIDE A DUPLICATE SET OF PLANS AND SPECIFICATIONS TO THE BUILDING OFFICIAL (OR THIRD-PARTY) FOR REVIEW AND/OR PERMITTING, THE STATE FIRE MARSHAL REVIEWED AND STAMPED DOCUMENTS SHALL NOT BE USED FOR THIS PURPOSE. ADDITIONAL MARKING OR ALTERATIONS MADE TO THE APPROVED STAMPED PLANS MAY CAUSE DELAYS IN FINAL ACCEPTANCE FOR OCCUPANCY.

10. **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) 4.1.6(1)(b) If existing elements, spaces, or common areas are altered, then each such altered element, space, feature, or area shall comply with the applicable provisions of 4.1.1 to 4.1.3.

- b) 4.5 Ground and floor surfaces shall be stable, firm, and slip-resistant.
- c) 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").
- d) 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.
- e) 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.
- f) 4.1.3(13) Provide a maximum counter height of 34" at sink OR provide a maximum counter height of 36" at sink if knee space exists under sink.
- g) 4.1.3(16) Permanent signage shall comply with 4.30.
- h. Signage, where provided for permanent rooms and spaces shall provide;
 - a. braille and raised lettering as per 4.30.4,
 - b. letter/symbol to background color contrast as per 4.30.5, and
 - c. a 60" height from floor to the centerline of the sign as per 4.30.6.
- i. Other permanent signs which provide direction to or information about functional spaces of the building shall provide;
 - a. letter character width to height proportion as per 4.30.2,
 - b. character height proportion based on height of sign from finish floor as per 4.30.3, and
 - c. letter/symbol to background color contrast as per 4.30.5.
- h) 4.8 Slope of ramps shall not exceed 1:12.
- i) 4.8.7 Provide edge protection at open sides of ramps and landings. Curbs shall be not less than 4" high in accordance with 101:7.2.5.3.3.
- j) 4.8.5 Provide handrails at both sides of ramps with rise greater than 6". Handrails shall comply with 4.8 and 4.26.
- k) 4.9.4(2) Handrails at stairs shall extend at least 12" beyond the top riser and at least 12" plus the width of one tread beyond the bottom riser (See Figure 19).
- l) 4.8.5(2) Handrails at ramps shall extend at least 12" beyond the top and the bottom of the ramp parallel to the landing (See Figure 17).

11. This exception is intended to apply to the storage and industrial portions of the building only. WAREHOUSE AREA ONLY.

After consultation with the Office of Rehabilitation Services, it has been determined that this office will not require the storage/industrial area(s) and associated toilet/bath portions of this facility to comply with any of the ADA-AG or LSC requirements for individuals with disabilities, with the following stipulations:

1. 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.
2. Provide features of accessibility for the public and administrative areas.
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.

12. **LRS 40:1730.45 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, or the International Energy Conservation Code, 2006 edition, as applicable.
13. **101:7.2.1.2.3.2 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.
14. **101:7.2.1.3.1 and 7.1.6.3** The floor elevation shall not change by more than 1/2" from one side of a door to the other.
15. **101:7.2.1.3** Provide level landings outside exterior doors that are within 1/2" of the interior finish floor elevation.
16. **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.
 - b) Cellulose fiber thermal insulation shall meet the requirements of paragraph IBC 719.
 - c) Foam plastic insulation shall meet the requirements of IBC 719.
17. **LRS 40:1711** Provide safety glazing in hazardous locations.
18. **101:38.3.2** Separate WAREHOUSE AND STORAGE from other parts of the building by 1 hour fire resistive construction with self-closing 45 minute labeled door/frame assembly in accordance with Section 8.7.1 WITHOUT WINDOWS, -OR- provide automatic sprinkler protection in accordance with Section 9.7 and smoke partitions with self-closing doors in accordance with Section 8.4. (Sprinkler piping for isolated hazardous areas connected to domestic water supply shall comply with 101:9.7.1.2).
19. **Residential cooking equipment in BREAK ROOM** 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). (NOTE: Type "K" portable fire extinguishers shall NOT be installed in areas housing electrical cooking appliances, unless the appliance electrical system is shunted upon activation of an approved hood suppression system.)
20. **101:38.3.3** Interior walls and ceilings shall have a flame spread of 0-200 and a smoke development rating of 0-450.
21. **101:7.2.2.2.1 / 101:7.5.4.4** Stairs shall comply with the appropriate Stair table and ADA-AG.
 - a) 44 inch minimum width (48" minimum clear width between handrails at stairs used within an accessible means of egress - See 101:7.2.12.2.3).
 - 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, 7.2.1.4.5 and 7.2.2.3.2).
 - g) Stair treads shall be uniformly slip resistant.
22. **101:7.1.7.2.2** Steps in a change in elevation, where the elevation difference is 21" or less, shall have minimum 13" treads that are readily apparent.

23. 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".
- a) 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".
24. 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)
25. 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.
26. 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.
27. 101:38.5.1 Utilities shall comply with the provisions of Section 9.1.
- a) Compliance with the 2008 NFPA 70, National Electrical Code (NEC), is mandated by RS 40:1730.28.A(7). Contact the local Building Official of the applicable local political subdivision or a Louisiana State Uniform Construction Code Council registered third-party provider to verify plan review and inspection requirements of the proposed electrical work.
- b) HVAC system shall be constructed in accordance with 101:9.2.
- c) 101:9.2.1 Space above a ceiling used for return or supply air shall comply with NFPA 90A:4.3.10.
- d) NFPA 90A:6.4.4.3 Where smoke detectors required by Section 6.4 are installed in a building NOT equipped with an approved protective signaling system as specified by 6.4.4.2:
- a. The smoke detector activation required by Section 6.4 shall cause a visual AND an audible signal in a normally occupied area, and
- b. Smoke detector trouble conditions shall be indicated visually OR audibly in a normally occupied area and shall be identified as air duct detector trouble.
Provide a remote alarm indicator/annunciator in accordance with NFPA 72:6.10.2 for these conditions.
- e) NFPA 90A:5.3.1.2 Provide fire dampers in air transfer openings in partitions required to be fire rated.
28. NOTE: Please mail all correspondence related with this project to:

NEW ORLEANS PLAN REVIEW
Office of State Fire Marshal
2750 Lake Villa Drive, Suite 301
Metairie, LA 70002

Contact the reviewer at 504.455.7315 (fax: 504.455.7317), if you have any questions regarding this project.

29. **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 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:
JULIE LITTLE
ARCHITECT

CC:
Patterson Dental
St Charles Parish Planning Dept
New Orleans District* 5044557313



Envelope Compliance Certificate

390487

90.1 (2004) Standard

Report Date: 11/08/10

Data filename: J:\- Hospitals - Medical - Dental\2076 - PATTERSON DENTAL\comcheck.cck

Section 1: Project Information

Project Type: **Alteration**

Project Title : Paterson Dental

Construction Site:
107 Mallard St.
St. Rose, LA 70087

Owner/Agent:
Patterson
Patterson Dental
107 Mallard Street
St. Rose, LA 70087

Designer/Contractor:
Emmett Dammon
Dammon Engineering
1095 Florida Ave
Slidell, LA 70458
985-649-5832

Section 2: General Information

Building Location (for weather data): **Kenner, Louisiana**
Heating Degree Days (base 65 degrees F): **1513**
Cooling Degree Days (base 50 degrees F): **6910**
Building Type for Envelope Requirements: **Non-Residential**

Activity Type(s) **Floor Area**
Common Space Types: Office - Enclosed 15000

Section 3: Requirements Checklist

Envelope PASSES

Climate-Specific Requirements:

Post-Alteration Assembly	R-Value		Proposed		Max. Allowed	
	Cavity	Cont.	U-Factor	SHGC	U-Factor	SHGC
Interior Wall 1: Steel-Framed, 16" o.c. Exemption: Cavity filled with minimum R-3/inch insulation	---	---	---	---	---	---

Insulation:

- 1. Open-blown or poured loose-fill insulation has not been used in attic roof spaces with ceiling slope greater than 3 in 12.
- 2. Wherever vents occur, they are baffled to deflect incoming air above the insulation.
- 3. Recessed lights, equipment and ducts are not affecting insulation thickness.
- 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
- 5. All exterior insulation is covered with protective material.
- 6. Cargo and loading dock doors are equipped with weather seals.

Fenestration and Doors:

- 7. Windows and skylights are labeled and certified by the manufacturer for U-factor and SHGC.
- 8. Fixed windows and skylights unlabeled by the manufacturer have been site labeled using the default U-factor and SHGC.
- 9. Other unlabeled vertical fenestration, operable and fixed, that are unlabeled by the manufacturer have been site labeled using the default U-factor and SHGC. No credit has been given for metal frames with thermal breaks, low-emissivity coatings, gas fillings, or insulating spacers.

Air Leakage and Component Certification:

390487

- 10. All joints and penetrations are caulked, gasketed, weather-stripped, or otherwise sealed.
- 11. Windows, doors, and skylights certified as meeting leakage requirements.
- 12. Component R-values & U-factors labeled as certified.
- 13. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope alteration project has been designed to meet the 90.1 (2004) Standard requirements in COMcheck Version 3.5.3 and to comply with the mandatory requirements in the Requirements Checklist.

EMMETT RAMMOW
Name - Title


Signature

11-8-10
Date



Interior Lighting and Power Compliance Certificate

90.1 (2004) Standard

Report Date: 11/08/10

Data filename: J:\- Hospitals - Medical - Dental\2076 - PATTERSON DENTAL\comcheck.cck

Section 1: Project Information

Project Type: **Alteration**

Project Title : Paterson Dental

Construction Site:
107 Mallard St.
St. Rose, LA 70087

Owner/Agent:
Patterson
Patterson Dental
107 Mallard Street
St. Rose, LA 70087

Designer/Contractor:
Emmett Dammon
Dammon Engineering
1095 Florida Ave
Slidell, LA 70458
985-649-5832

Section 2: General Information

Building Use Description by: **Activity Type**

Activity Area Compliance Exemption Qualifications

Activity Area	Total Wattage		Total Pre-Alt.	# Fixtures
	Pre-Alt.	Post-Alt.	Fixtures	Repl./Added
Common Space Types:Office - Enclosed (15000 sq.ft.): Compliance required.	---	---	---	---

Section 3: Requirements Checklist

Interior Lighting:

- 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
16500	1200	Passes

- 2. Exit signs 5 Watts or less per side.

Controls, Switching, and Wiring:

- 3. Independent manual or occupancy sensing controls for each space (remote switch with indicator allowed for safety or security).
- 4. Occupant sensing control in class rooms, conference/meeting rooms, and employee lunch and break rooms.
Exceptions:
Spaces with multi-scene control; shop classrooms, laboratory classrooms, and preschool through 12th grade classrooms.
- 5. Automatic shutoff control for lighting in >5000 sq.ft buildings by time-of-day device, occupant sensor, or other automatic control.
Exceptions:
24 hour operation lighting; patient care areas; where auto shutoff would endanger safety or security.
- 6. Master switch at entry to hotel/motel guest room.
- 7. Separate control device for display/accent lighting, case lighting, task lighting, nonvisual lighting, lighting for sale, and demonstration lighting.
- 8. Photocell/astronomical time switch on exterior lights.
Exceptions:
Covered vehicle entrance/exit areas requiring lighting for safety, security and eye adaptation.
- 9. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).



COMcheck Software Version 3.5.3

Interior Lighting Application Worksheet

90.1 (2004) Standard

Report Date:

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Section 1: Allowed Lighting Power Calculation

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B x C)
Common Space Types:Office - Enclosed	15000	1.1	16500
Total Allowed Watts =			16500

Section 2: Proposed Lighting Power Calculation

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Common Space Types:Office - Enclosed (15000 sq.ft.)				
Linear Fluorescent 1: 48" T8 25W (Super T8) / Electronic	4	40	30	1200
Total Proposed Watts =				1200

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Proposed Watts is greater than or equal to zero, the building complies.

Total Allowed Watts = 16500
Total Proposed Watts = 1200
Project Compliance = 15300

Interior Lighting PASSES