

# Automatic Sprinkler System Modifications REQUEST FOR EXEMPTION

PLEASE PRINT CLEARLY OR TYPE INFORMATION

**LOUISIANA DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONS  
OFFICE OF STATE FIRE MARSHAL**  
8181 INDEPENDENCE BOULEVARD  
BATON ROUGE, LOUISIANA 70806  
PHONE (225) 925-4920 FAX (225) 925-4414  
WEB SITE: www.dps.state.la.us/sfm

**REVIEW FEE  
\$20.00**

DATE OF APPLICATION <b>7/31/09</b>
STATE FIRE MARSHAL ARCHITECTURAL REVIEW NUMBER <b>PO 367528</b>

PROJECT TITLE (Name of Business) <b>Office Renovations for St. Tammany Parish School</b>		PROJECT FLOOR <b>1</b>
NAME OF BUILDING/SHOPPING CENTER <b>N/A</b>		TOTAL NO FLOORS IN BUILDING <b>1</b>
PHYSICAL LOCATION OF PROJECT Inside City Limits <input checked="" type="checkbox"/> Outside City Limits <input type="checkbox"/>	ADDRESS (Street/Suite) <b>2346 + 2348 Court St.</b> CITY (In or Near) <b>Slidell LA 70458</b>	EXEMPTION RESUBMITTAL? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO PREVIOUS REVIEW NUMBER: <b>N/A</b>
	ZIP CODE <b>70458</b>	PARISH <b>St. Tammany</b>

**PROFESSIONAL OF RECORD (P.O.R.) ( If none, then MUST be Owner )**

NAME <b>Robert L. Siltse</b>	PHONE <b>(985) 649-5832</b>
MAILING ADDRESS (Street/P.O. Box) <b>1095 Florida Ave</b>	FAX <b>(985) 641-5950</b>
CITY <b>Slidell</b>	STATE <b>LA</b> ZIP CODE <b>70458</b>
P.O.R. LICENSE NO <b>2736</b>	EMAIL ADDRESS <b>damonweng@bellsouth.net</b>

**SPRINKLER SYSTEM INFORMATION**

OCCUPANCY CLASS (NFPA 101 Chapter) <b>B</b>	HAZARD CLASS (PER NFPA 13) <b>Ordinary 1</b>	PUMP INFORMATION	PLACARD INFORMATION
SYSTEM TYPE <input checked="" type="checkbox"/> WET <input type="checkbox"/> DRY	DESIGN TYPE <input type="checkbox"/> HYDRAULIC <input type="checkbox"/> PIPE SCHEDULE	PRESSURE (psi) <b>N/A</b>	GPM/SF OVER <b>N/A</b>
WATER SOURCE <input checked="" type="checkbox"/> MUNICIPAL <input type="checkbox"/> PRIVATE	WATER SUPPLY DATA (psi) <b>58</b>	MAIN REDUC. VLV. SET <b>N/A</b> psi	SF, WITH DEMAND OF
	STATIC (psi) <b>58</b>	PRESS REDUC. VLV. SET	PSI AT
	RESIDUAL (psi) <b>50</b>	FLOW (gpm) <b>1180</b>	GPM AT:
TOTAL NUMBER OF EXEMPTION SPRINKLERS <b>2</b>	AREA COVERED BY THIS EXEMPTION (sf) <b>63.8 ea.</b>	TEST DATE <b>1/1</b>	
	COST OF WORK DO BE DONE \$		

**DESCRIPTION OF WORK**

Install one (1) head in each utility Room containing 63.8 Sq. ft. There are two (2) such utility rooms.

SPRINKLER MFR. <b>Reliable</b>	MODEL <b>FIFR</b>	TYPE <b>Pendant</b>	TEMPERATURE: <b>155</b>	ORIFICE SIZE: <b>1/2"</b>
--------------------------------	-------------------	---------------------	-------------------------	---------------------------

**EFFECT ON SYSTEM**

New domestic system. No effect.

**SPRINKLER SYSTEM CONTRACTOR / ENGINEER / DESIGNER (not the POR)**

NAME <b>Ray Ricknade</b>	EMPLOYEE STATE LICENSE NO. <b>31316</b>
FIRM NAME <b>Drain Surgeon</b>	FIRM MAILING ADDRESS
CONTACT NAME <b>Jeanne</b>	<b>721 Robert Blvd. Slidell, LA 70458</b>
FIRM LICENSE NUMBER <b>B-267</b>	PHONE NO (985) <b>641-7919</b> FAX NO (985) <b>641-8080</b>
	EMAIL ADDRESS

<b>FOR FIRE MARSHAL USE ONLY</b>	DATE RECEIVED <b>8-3-09</b>	<b>368758</b>	REVIEW ARCHITECT <b>Burch</b>
<input checked="" type="checkbox"/> Accepted	<b>accepted 8/6/09 wenda Burch</b>		
<input type="checkbox"/> Denied			

CC:  Applicant  Sprinkler Contractor  SFM District  Fire Prevention Bureau  SFM Health Care  High Rise File  Reading File

SHREVEPORT 888-634-7682  
 NEW ORLEANS 888-634-7689  
 LAFAYETTE 800-554-0006  
 BATON ROUGE 800-256-5452  
 HEALTH CARE  
 CONTACT THE INDICATED DISTRICT OFFICE FOR FINAL INSPECTION:

sfrkncds.cdr - 4/1/2003

KL copy

**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, ARCHITECT  
DAMMON ENGINEERING INC  
1095 FLORIDA AVE  
SLIDELL, LA 70458-0000

RE: P0367528  
OFFICE RENOVATIONS FOR ST.  
TAMMANY PARISH SCHOOL B  
2346 & 2348 CIRUTI ST.  
SLIDELL, LA 70458

NFPA 101, 2006

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. **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.

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

2. Pull down attic stairs are not allowed. See NFPA 101: 7.2.2 thru 7.2.11 for stairs that are allowed.
3. 101:38.3.2 Separate T UTILITY ROOM 109A and 113B from other parts of the building by 1 hour fire resistive construction with self-closing 45 minute labeled door/frame assembly or provide automatic sprinkler protection in accordance with Section 9.7 and smoke partitions with self-closing doors in accordance with 8.7.1.2 and 8.4. (Sprinkler piping for isolated hazardous areas connected to domestic water supply shall comply with 101:9.7.1.2).
4. LAC 55:V:303.D Provide listed portable fire extinguishers in accordance with NFPA 10. (Refer to Appendix E for distribution information.)

**9.6.7.4.2** Where the building is protected by an automatic sprinkler system in accordance with 9.7.1.1(1), the area of the fire alarm zone shall be permitted to coincide with the allowable area of the sprinkler system.

**9.6.7.4.3** Where the building is protected by an automatic sprinkler system in accordance with 9.7.1.1(2), the sprinkler system shall be permitted to be annunciated on the fire alarm system as a single zone.

**9.6.7.4.4** Where the building is protected by an automatic sprinkler system in accordance with 9.7.1.1(3), the sprinkler system shall be permitted to be annunciated on the fire alarm system as a single zone.

**9.6.7.5** A system trouble signal shall be annunciated at the control center by means of audible and visible indicators.

**9.6.7.6** A system supervisory signal shall be annunciated at the control center by means of audible and visible indicators.

**9.6.7.7** Where the system serves more than one building, each building shall be annunciated separately.

**9.7 Automatic Sprinklers and Other Extinguishing Equipment.**

**9.7.1 Automatic Sprinklers.**

**9.7.1.1\*** Each automatic sprinkler system required by another section of this Code shall be in accordance with one of the following:

- (1) NFPA 13, *Standard for the Installation of Sprinkler Systems*
- (2) NFPA 13D, *Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes*
- (3) NFPA 13R, *Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height*

**9.7.1.2** Sprinkler piping serving not more than six sprinklers for any isolated hazardous area shall be permitted to be connected directly to a domestic water supply system having a capacity sufficient to provide 0.15 gpm/ft<sup>2</sup> (6.1 mm/min) throughout the entire enclosed area. An indicating shutoff valve, supervised in accordance with 9.7.2 or NFPA 13, *Standard for the Installation of Sprinkler Systems*, shall be installed in an accessible, visible location between the sprinklers and the connection to the domestic water supply.

**9.7.1.3\*** In areas protected by automatic sprinklers, automatic heat-detection devices required by other sections of this Code shall not be required.

**9.7.1.4** Automatic sprinkler systems installed to make use of an alternative permitted by this Code shall be considered required systems and shall meet the provisions of this Code that apply to required systems.

**9.7.2 Supervision.**

**9.7.2.1\* Supervisory Signals.** Where supervised automatic sprinkler systems are required by another section of this Code, supervisory attachments shall be installed and monitored for integrity in accordance with NFPA 72, *National Fire Alarm Code*, and a distinctive supervisory signal shall be provided to indicate a condition that would impair the satisfactory operation of the sprinkler system. System components and parameters that shall be monitored shall include, but shall not be limited to, control valves, fire pump power supplies and running conditions, water tank levels and temperatures, tank pressure, and air pressure on dry-pipe valves. Supervisory signals shall sound and shall be displayed either at a location within the protected building that is constantly attended by qualified personnel or at an approved, remotely located receiving facility.

**9.7.2.2 Alarm Signal Transmission.** Where supervision of automatic sprinkler systems is provided in accordance with another provision of this Code, waterflow alarms shall be transmitted to an approved, proprietary alarm-receiving facility, a remote station, a central station, or the fire department. Such connection shall be in accordance with 9.6.1.3.

**9.7.3 Other Automatic Extinguishing Equipment.**

**9.7.3.1** In any occupancy where the character of the fuel for fire is such that extinguishment or control of fire is accomplished by a type of automatic extinguishing system in lieu of an automatic sprinkler system, such system shall be installed in accordance with the appropriate standard, as determined in accordance with Table 9.7.3.1.

**Table 9.7.3.1 Fire Suppression System Installation Standards**

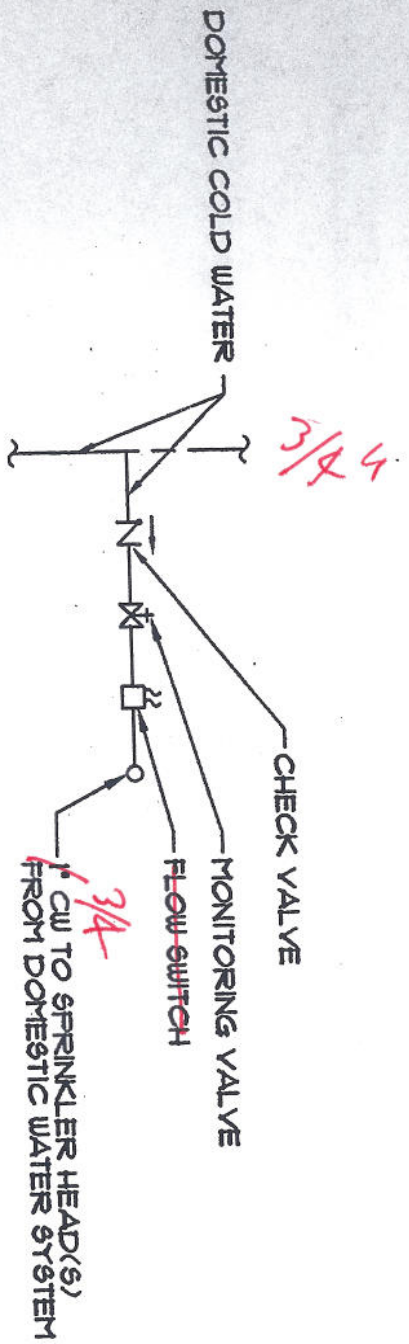
Fire Suppression System	Installation Standard
Low-, medium-, and high-expansion foam systems	NFPA 11, <i>Standard for Low-, Medium-, and High-Expansion Foam</i>
Carbon dioxide systems	NFPA 12, <i>Standard on Carbon Dioxide Extinguishing Systems</i>
Halon 1301 systems	NFPA 12A, <i>Standard on Halon 1301 Fire Extinguishing Systems</i>
Water spray fixed systems	NFPA 15, <i>Standard for Water Spray Fixed Systems for Fire Protection</i>
Deluge foam-water sprinkler systems	NFPA 16, <i>Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems</i>
Dry chemical systems	NFPA 17, <i>Standard for Dry Chemical Extinguishing Systems</i>
Wet chemical systems	NFPA 17A, <i>Standard for Wet Chemical Extinguishing Systems</i>
Water mist systems	NFPA 750, <i>Standard on Water Mist Fire Protection Systems</i>
Clean agent extinguishing systems	NFPA 2001, <i>Standard on Clean Agent Fire Extinguishing Systems</i>

**9.7.3.2** If the extinguishing system is installed in lieu of a required, supervised automatic sprinkler system, the activation of the extinguishing system shall activate the building fire alarm system, where provided. The actuation of an extinguishing system that is not installed in lieu of a required, supervised automatic sprinkler system shall be indicated at the building fire alarm system, where provided.

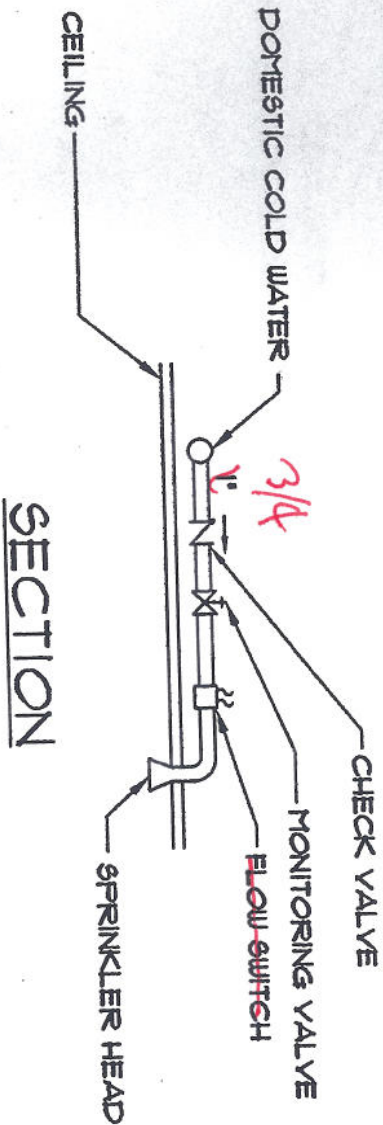
**9.7.4 Manual Extinguishing Equipment.**

**9.7.4.1\*** Where required by the provisions of another section of this Code, portable fire extinguishers shall be installed, inspected, and maintained in accordance with NFPA 10, *Standard for Portable Fire Extinguishers*.

**9.7.4.2** Where required by the provisions of another section of this Code, standpipe and hose systems shall be provided in accordance with NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*. Where standpipe and hose systems are installed in combination with automatic sprinkler systems, installation shall be in accordance with the appropriate provisions established by NFPA 13, *Standard for the Installation of Sprinkler Systems*, and NFPA 14, *Standard for the Installation of Standpipe and Hose Systems*.



**PLAN**



**SECTION**

**NOTE:**

CONTRACTOR SHALL PROVIDE SPRINKLER HEAD IN JANITOR'S CLOSET PER APPLICABLE SECTIONS OF NFPA. PROVIDE MONITORING VALVE AND FLOW SWITCH AS REQUIRED BY CODE. CONTRACTOR SHALL SUBMIT PLANS TO THE STATE FIRE MARSHAL FOR APPROVAL, PRIOR TO INSTALLATION. PROVIDE REMOTE ALARM SIGNAL DEVICE.

**DOMESTIC WATER SYSTEM SPRINKLER HEAD DETAIL**  
NOT TO SCALE