

649-7679

1898

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

**INFORMATION REQUEST
 NOT - FOR - PERMITTING**

ROBERT SOLLBERGER ARCHITECT
 DAMMON ENGINEERING
 1095 FLORIDA AVE
 SLIDELL, LA 70458-0000

RE: P0351857
 PLATFORM CRANE OFFICE BUILD.
 60461 DOSS DRIVE
 SLIDELL, LA 70458

NFPA 101, 2006

BUSINESS

Dear Applicant:

Additional information is required to perform a proper review. The project referenced above is being held pending submission of the following information:

1. **13:11.2.3.3 Room Design Method.**

13:11.2.3.3.3 To utilize the room design method, all rooms shall be enclosed with walls having a fire-resistance rating equal to the water supply duration indicated in Table 11.2.3.1.2.

13: 11.2.3.3.5 Minimum protection of openings shall be as follows:

- (1) Light hazard -- non-rated automatic or self closing doors
- (2) Light hazard with no opening protection -- Where openings are not protected, calculations shall include the sprinklers in the room plus two sprinklers in the communicating space nearest each such unprotected opening unless the communicating space has only one sprinkler, in which case calculations shall be extended to the operation of that sprinkler. The selection of the room and communicating space sprinklers to be calculated shall be that which produces the greatest hydraulic demand. For light hazard occupancies with unprotected openings in walls, a minimum lintel depth of 8 in. is required for openings and the opening shall not exceed 8 ft in width. It shall be permitted to have a single opening of 36 in or less without a lintel, provided there are no other openings to adjoining spaces.
- (3) Ordinary and extra hazard -- Automatic or self-closing doors with appropriate fire-resistance ratings for the enclosure.

NOTE : 13:11.2.3.1.3 The lower duration value of Table 11.2.3.1.2 shall be acceptable only where the sprinkler system waterflow alarm device(s) and supervisory device(s) are electrically supervised and such supervision is monitored at an approved, constantly attended location.

POR DOCUMENT AUTOMATIC OR SELF-CLOSING DOORS WITH APPROPRIATE FIRE RESISTANCE RATINGS FOR THE ENCLOSURE AT THE WAREHOUSE AREAS

POR, IS THE SPRINKLER SYSTEM MONITORED ? WHAT IS THE RATING OF THE WALLS AT THE WAREHOUSE AREA ?

2. 13:22.1.3 Working plans shall show :

(10) Size of city main in street and whether dead end or circulating; if dead end, direction and distance to nearest circulating main; and city main test results and system elevation relative to test hydrant (see A.23.1.8).

(28) Private fire service main ... weights, materials, point of connection to city main; the sizes, types and locations of valves, valve indicators, regulators, meters, and valve pits; and the depth that the top of the pipe is laid below grade

3. 13:11.1.5.4 Water allowance for outside hose shall be added to the sprinkler requirement at the connection to the city main or a yard hydrant, whichever is closer to the system riser.

4. POR provide manufacturer data sheets for the underground pipe.

5. NOTE: Please enclose a copy of this letter with future submittals or other correspondence pertaining to this project.

Due to the lack of information, the referenced project has NOT been reviewed. Please direct the requested information to my attention. Processing will continue upon receipt of the information requested above. Enclose a copy of this letter with future submittals and/or other correspondence pertaining to this project.

This project will be returned as "NOT IN COMPLIANCE" if the requested information is not received by this office within 21 days of the date of this letter, thereby requiring a RESUBMITTAL of the entire project along with a new completed application and appropriate review fee.

CONSTRUCTION IS NOT AUTHORIZED until a satisfactory review has been performed and a formal review letter has been issued by this office.

REVIEWED BY:
DONNA LEBLANC
MECHANICAL ENGINEER

CC:
Kb Kauffman
Jefferson Sprinkler, Inc
Property Insurance Association*
St Tammany Fire Protection District No 1*
City Of Slidell*
New Orleans District* 5042194600

STATE OF LOUISIANA
 Department of Public Safety and Corrections
 Office of State Fire Marshal Code Enforcement and Building Safety
 418 Independence Boulevard
 Baton Rouge, Louisiana 70806
 225-925-4920

H "BUTCH" BROWNING
 FIRE MARSHAL

FIRE SUPPRESSION SYSTEM

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

RF: P0350423
 PLATFORM CRANE OFFICE BUILDING
 60461 DOSS DRIVE
 SLIDELL, LA 70458

NFPA 101, 2006

BUSINESS

1858

Dear Applicant:

Please be advised that we have made a general review of the drawings, calculations, and equipment data for the proposed Fire Suppression System, based on the submittal package received for the above referenced project. This review is governed by the Official Manual of the Office of State Fire Marshal, which contains the adopted laws, codes, rules, and regulations of this office. This review, in no way, shall permit and/or authorize any omissions or deviations from the specific requirements of the Official Manual. Requirements cited in this review do not relieve the licensed fire suppression system designer and the Professional Of Record, when required by LA RS 57, from complying with all the requirements contained in the Official Manual. Subsequent to our general review of the submittal package, we have determined that the drawings, calculations, and equipment data appear to satisfactorily comply with the adopted laws, codes, rules and regulations of the State Fire Marshal, subject to the following requirements and review qualifications:

AUG - 8 2008

NOTE: THE 2003 EDITION OF THE NFPA 101 LIFE SAFETY CODE APPLIES FOR THIS REVIEW (DISREGARD THE 2006 REFERENCE ABOVE)

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

1. 13: 8.15.3.1.1 Unless the requirements of 8.15.3.1.2 (small unheated areas protected by anti-freeze systems) are met, where portions of systems are subject to freezing and temperatures cannot reliably be maintained at or above 40 deg. F, sprinklers shall be installed as a dry pipe or preaction system.

- The deficiency is that the wet sprinkler piping is indicated to be in an "artic-like" space, which is not indicated to be heated, above the ceilings.

Provide a permanently installed method of maintaining heat to the piping in the "artic-like" space, above the ceilings. Verify provision of heating.

Aug 8, 2008
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NOTE: THE FOLLOWING COMMENTS IDENTIFY ISSUES FOR INFORMATIONAL AND CAUTIONARY PURPOSES OR ISSUES THAT COULD NOT BE VERIFIED IN THE SUBMITTED DOCUMENTS.

2. This fire protection system review is limited to the original plan review scope as per State Fire Marshal letter P0336522.
3. This review applies to the automatic sprinkler system, for conformance with NFPA 13, 2002 edition, as shown on the drawings for the above referenced project.
4. 13: 15.1.1 This review is based on a system indicated as supplied by a city water supply of 56 psi static and 20 psi residual pressure, flowing 530 g.p.m. through a city main (neither size nor dead-end or circulating are described); test indicated as performed by Jefferson Sprinkler, Inc. on June 11, 2008 at 11:20 AM.
5. 13: 15.1.2 The system, at the Warehouse, was reviewed as an ordinary hazard (Group 2) Miscellaneous Storage design approach. The calculations indicate the following system demand, as submitted:
 - a) 26 psi at 186 gpm at the base of riser (backflow preventer inlet) and 27 psi at 436 gpm at the source; indicating 3.6 psi safety margin.
 - b) The system demand is based on a minimum discharge density of 0.20 gpm/ft² over a 1030 ft² design area, utilizing the area reduction allowed by 11.2.3.2.3.1 for the use of quick response sprinklers beneath a ceiling not more than 15'-6" high.
 - c) The system demand includes the discharge of K - 8.0, quick response standard coverage sprinklers and allows 250 gpm outside hose flow.
 - d) The calculations include 4.4 psi residual pressure loss, based on the installation of the following backflow preventer: Manufacturer: Ames, Type: Double Check, Model Number: Colt C200BFC, Size: 6 inch, at the base of riser.
6. LRS 40: 1574 Based on the information provided on the drawings submitted for review, this review does not include the following:
 - a) 13: 8.14.1.1 and 13: 11.2.3.1.8 (3) Concealed spaces enclosed by combustibile construction or containing significant amounts of combustibles not meeting a specific Exception to both of these sections. (If sprinklers are omitted, due to the concealed spaces conforming to provisions of 8.14.1.2.1 through 8.14.1.2.15, but not conforming to 11.2.3.1.8 (4), the minimum required area of sprinkler operation would be 3000 ft², which has not been calculated.)
 - i. Verify that any combustibile paper or vinyl faced batt insulation in concealed spaces above ceilings or above the roof and/or installed vertically at walls of attic-like spaces above ceilings conforms to both 13: 8.14.1.2.12 and to 13: 11.2.3.1.8 (4)(e), for the manner in which it is installed.
 - ii. Verify that the finished wall framing at the perimeter of the building is not combustibile.
 - b) 13: 3.3.15 and 12.1.10.1 Miscellaneous Storage, that exceeds: class IV commodities, to more than 12 ft in height (piled or on shelf), class IV commodities, to more than 10 ft in height (in racks), or group A plastics (or equivalent) to more than 5 ft. in height.
 - c) 13: 8.14.7.1 and .2 Unsprinklered exterior roofs and eaves of combustibile construction or finish over 4 ft. wide.

- Also, per 8.14.7.2, verify that any foamed plastic "E.F.S.", if used at canopy ceilings, is classified, by testing, as a limited-combustible material. See 3.3.14 for definition of Limited-Combustible Material and 3.3.16 for definition of Noncombustible Material.

7. Although resolution to the comments in this review letter are not required to be submitted back to this office, the Professional of Record, (when required by L.A.R.S. 37:155) otherwise the Owner, shall not be relieved of the requirement to comply with all citations indicated in this letter, as well as all requirements of the Official Manual of the Office of State Fire Marshal, Code Enforcement and Building Safety.

Be advised that if any item in this review letter initiates a change(s) to the sprinkler system, which affect the hydraulic design as submitted, the Professional of Record (when required by L.A.R.S. 37:155) otherwise the Owner, shall revise the fire suppression system drawings and hydraulic calculations. The revisions, including revised sprinkler plans, calculations, and/or cut sheets shall be submitted to this office, along with the original stamped State Fire Marshal fire suppression system plans, complete with the original submittal calculations and cut sheets. Re-review of submitted changes will be facilitated by an Amended Letter to the existing project number (PO number) appearing in the heading of this letter, above.

For example, if the letter requires that piping, devices, or an area be heated, installation of the devices to supply heat needed to conform with the requirements of the referenced section of the Code or Standard is adequate. Correspondence and acknowledgement would not be needed. If, however, other means are taken, correspondence to Linda Burch of this office would be required.

8. **NOTE:** Please enclose a copy of this letter with future submittals or other correspondence pertaining to this project.
9. Two sets of drawings, one set of calculations, and one set of equipment data were received for review, and were returned in the following manner:

a) One set of drawings, calculations, and equipment data were marked by review as "set 1/2", and, bearing the State Fire Marshal review stamp on the drawings, were returned to the applicant.

b) One set of drawings was marked by review as "set 2/2", and, bearing the "Copy... Not Be Used for Compliance Verification" stamp, were returned to the fire suppression system sub-contractor.

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.

Occupancy of the project is permitted only upon the receipt of the applicable Contractor's Material & Test Certificate as per NFPA 13, Fire Alarm System Certificate and Description as per NFPA 72, or other certification as required by the applicable codes and a satisfactory inspection of the completed construction had 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.

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.

Aug 3, 2008
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REVIEWED BY:
JOHN MOORE
ARCHITECT

CC:
Kb Kauffman
Jefferson Sprinkler, Inc
Property Insurance Association*
St Tammany Fire Protection District No 1*
City Of Slidell*
New Orleans District* 5042194600

Aug 3, 2008
103350423 - PACH. 4

DAMMON ENGINEERING, INC.

dammonengineering.com

CONSULTING

DESIGN

STUDIES

EXPERT WITNESS

1095 Florida Ave.
Slidell, LA 70458

P.O. Box 2830
Slidell, LA 70459

985-649-5832
FAX 985-641-5950

July 25, 2007

Mr. David Kaufmann
K.B. Kaufmann & Co.
1019 Old Spanish Trail
Slidell, Louisiana 70458

RE: Platform Crane Building E

Dear David,

Dammon Engineering is pleased to provide you with our proposal to furnish engineering and design services for the new Platform Crane Building, which will consist of approximately 21,127 s.f., including buildout of units 1, 2, 3 & 4. This proposal includes the following services:

We propose to provide the above services for a fee of \$2.00/s.f. for a total sum of \$42,254.00 (Forty Two Thousand Two Hundred Fifty Four Dollars). This fee includes the Fire Marshal review fee as well as five sets of plans provided to you following the Fire Marshal's review and response. This fee *does not* include site plan, the cost of soils analysis (if required), survey, topo, or other government agency fees.

Dammon Engineering carries \$1,000,000 Professional/General Liability Insurance, Auto Insurance and Workmen's Compensation Insurance.

We appreciate the opportunity to propose our services and look forward to working with you on this project. Please indicate your acceptance of the above by signing below. If you have any questions, or require any further information, please feel free to call.

Sincerely,



Emmett G. (Pete) Dammon, P.E.

Accepted:


David Kaufmann/
K.B. Kaufmann & Co.

Date:

9-11-07

1898