Dammon Engineering Inc.
1095 Florida Ave.
Slidell, LA 70458
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1898

FAX COVER SHEET

FAX NUMBER TRANSMITTED TO: 225-925-4114

TO: DONNA LEBLANC

FROM: CHUCK DAMMON

CLIENT/MATTER: PLATFORM CRANE

REFERENCE: PO. 351857

DATE: 9-18-08 NO. OF PAGES INCLUDING COVER SHEET: 8

COMMENTS:

DONNA, PLEASE SEE THE LETTERS ADDRESSING YOUR QUESTIONS.

THANKS

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
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September 18, 2008

Department of Public Safety And Corrections
Office of state Fire Marshall Code Enforcement And Building Safety
8181 Independence Boulevard
Baton Rouge, La. 70806

Attn: Donna Leblanc
Mechanical Engineer

Re: P0351857
Platform Crane Office Building
60461 Doss Drive
Slidell, La. 70458

Mrs. Leblanc

The Following are our responses to the letter dated September 1,2008. Also please see the responses from Jefferson Sprinkler.

1. The doors and walls located in the warehouse are 1 hour rated with self-closing mechanisms.
   The sprinkler system is a monitored system.

4. Please see the attached manufacturer data sheet for the underground pipe.

Chuck Dammon
Dammon Engineering

JEFFERSON SPRINKLER, INC.
P.O. BOX 129 Gretna, LA 70054
Phone: 504-393-7699 Fax: 504-367-0216

September 18, 2008

Chuck Dammon
Dammon Engineering
1095 Florida Avenue
Slidell, LA 70458

RE: PO351857
Platform Crane Office Bldg
60461 Doss Drive
Slidell, LA 70458

Dear Mr. Dammon:

The following are our responses to the State Fire Marshal Review letter dated September 1, 2008. These responses are required to come from the Professional of Record or Owner. Please review and submit these responses on your letterhead.

1. POR to respond.

2. The main that the fire line is tying into is a dead in main. This is where the flow test was taken that was used in the submitted calculations.

3. 250 gpm hose allowance has been accounted for in the underground supply as required per NFPA 13.

4. POR to respond.

5. POR to provide.

If you need additional information or have any questions please contact our office.

Sincerely,

Stephanie Enclade

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

PIPE ECONOMY

DUCTILE IRON PIPE

PUSH-ON JOINT DUCTILE IRON PIPE

Standard Dimensions and Weights (Pressure Classes)

Tyton® Joint Type
Sizes 3" - 24"

Fastite® Joint Type
Sizes 30" - 36"

Pipe Size in.	Pressure Class	Thickness	OD† in.	Weight of Barrel Per Foot Lb	Weight of Bell Lb	18-ft. Laying Length		20-ft. Laying Length	
						Weight Per Length Lb	Average Weight Per Foot** Lb	Weight Per Length §Lb	Average Weight Per Foot** Lb
3	350	0.25	3.96	6.9	7.0			165	8.2
4	350	0.25	4.80	10.8	9.0			220	11.3
6	350	0.25	6.90	16.0	11.0	300	16.8	330	16.6
8	350	0.25	9.05	21.1	17.0	395	22.0	440	22.0
10	350	0.26	11.10	27.1	24.0	510	28.4	575	28.7
12	350	0.28	13.20	34.8	29.0	655	36.4	735	36.7
14	250	0.28	15.30	40.4	35.0	770	42.9		
	300	0.30	15.30	43.3	45.0	825	45.8		
	350	0.31	15.30	44.7	48.0	850	47.2		
16	250	0.30	17.40	49.3	54.0	940	52.3		
	300	0.32	17.40	52.5	54.0	1000	55.5		
	350	0.34	17.40	55.8	54.0	1060	58.8		
18	250	0.31	19.50	57.2	59.0	1090	60.6		
	300	0.34	19.50	62.6	59.0	1185	65.9		
	350	0.36	19.50	66.2	59.0	1250	69.5		
20	250	0.33	21.60	67.5	74.0	1290	71.6		
	300	0.36	21.60	73.5	74.0	1395	77.6		
	350	0.38	21.60	77.5	74.0	1470	81.6		
24	200	0.33	25.80	80.8	95.0	1590	88.1		
	250	0.37	25.80	90.5	95.0	1725	95.8		
	300	0.40	25.80	97.7	98.0	1855	103.0		
	350	0.43	25.80	104.9	95.0	1985	110.2		
30	150	0.34	32.00	103.5	135.0	2000	111.2		
	200	0.38	32.00	115.5	138.0	2220	123.2		
	250	0.42	32.00	127.5	139.0	2435	135.2		
	300	0.45	32.00	136.5	139.0	2595	144.2		
	350	0.49	32.00	148.4	139.0	2810	156.1		
36	150	0.38	38.30	138.5	184.0	2675	148.7		
	200	0.42	38.30	152.9	184.0	2935	163.1		
	250	0.47	38.30	170.9	184.0	3280	181.1		
	300	0.51	38.30	185.3	184.0	3520	195.5		
	350	0.56	38.30	203.2	184.0	3840	213.4		

*To convert inches to millimeters, multiply by 25.4; to convert feet to meters, multiply by 0.3048; to convert pounds to kilograms, multiply by 0.4536; to convert pounds per foot to kilograms per metre, multiply by 1.488.

†Tolerance of OD of spigot end: 3-12 in., ±0.06 in.; 14-24 in., +0.05 in., -0.08 in.; 30-36 in., +0.08 in., -0.06 in.

The bell weights shown above are adequate for 350-psi (2413-kPa) operating pressure. Bell weights vary due to differences in push-on-joint design. The manufacturer shall calculate pipe weights using standard barrel weights and weights of bells being produced.

§ Including bell; calculated weight of pipe rounded off to nearest 5 lb.

**Including bell; average weight per foot based on calculated weight of pipe before rounding.

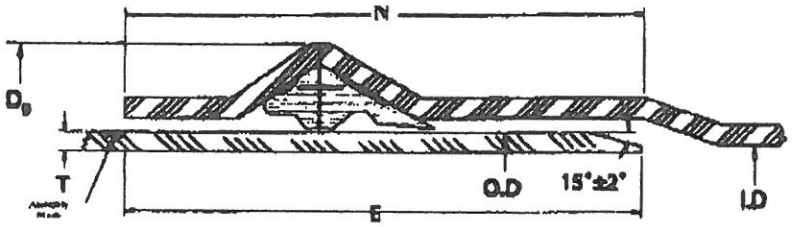
Dimensions and Weights : :

"F" Ring Rieber ::

Pipe Size (In)	Average O.D. (In)	Nom. I.D. (In)	Min. T. (In)	Min. E (In)	Approx. D' (In)	Approx. Weight (lbs/ft)
Class 100 psi (DR 25)*						
4	4.80	4.39	0.192	5.25	5.57	1.9
6	6.90	6.31	0.276	6.40	8.00	3.9
8	9.05	8.28	0.362	7.05	10.50	6.7
10	11.10	10.16	0.444	8.20	12.88	10.1
12	13.20	12.08	0.528	8.80	15.31	14.4
Class 150 psi (DR 18)*						
4	4.80	4.23	0.267	5.25	5.87	2.6
6	6.90	6.09	0.383	6.40	8.43	5.3
8	9.05	7.98	0.503	7.05	11.06	9.2
10	11.10	9.79	0.617	8.20	13.57	13.9
12	13.20	11.65	0.733	8.80	16.13	19.7
Class 200 psi (DR 14)*						
4	4.80	4.07	0.343	5.25	6.17	3.2
6	6.90	5.86	0.493	6.40	8.87	6.7
8	9.05	7.68	0.646	7.05	11.63	11.6
10	11.10	9.42	0.793	8.20	14.27	17.6
12	13.20	11.20	0.943	8.80	16.97	25.1

*Consult JMM for CSA and other listing availability prior to shipment.

I.D. : Inside Diameter
O.D. : Outside Diameter
T. : Wall Thickness



::ADDITIONAL TESTING REQUIREMENTS FOR AWWA C900

Test	AWWA C900 100 psi	150 psi	200 psi
Long Term Pressure Test 1000 hours (psi)	350	500	650
Short Term Burst Test (psi)	535	755	985
Acetone Immersion Test A measure of proper fluxing and precise temperature control	20 Min.	20 Min.	20 Min.
Flattening Test Tests extrusion quality and ductility under slow loading conditions.	60% in 2-5 Min.	60% in 2-5 Min.	60% in 2-5 Min.
Hydrostatic Proof Test (each piece)(psi)	400	600	800

::TYPICAL PHYSICAL AND CHEMICAL PROPERTIES AND CAPACITIES

Property	AWWA C900 Blue Brute PVC Pipe	ASTM Test Method
ISO Hoop Stress at 73°F		
Short Term Bursting Strength (psi) Min.	6400	D 1599
1,000 Hour Strength (psi) Min.	4200	D 1598
Working Pressure Rating		
73°F (% of rating at 73°F)	100%	
80°F (% of rating at 73°F)	88%	
100°F (% of rating at 73°F)	62%	
Chemical Resistance at 73°F		
Acids	Excellent	
Salts - Bases	Excellent	
Aliphatic Hydrocarbons (including crude oil)	Good	
Physical Properties at Std. Test Specimens		
Tensile Strength (psi) at 73°F Min.	7000	D 638
Thermal Expansion (in/100 ft/50°F change)	2"	
Fire Resistance	Self Extinguishing	
Flame Spread	10	E 162
Smoke Development	330	E 84
Coefficient of Flow Hazen & Williams	C = 150	
Mannings N Value	N= 0.009	