

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) 01, 02, 03

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

Seven Million Nine Hundred Ninety Thousand Two Hundred Dollars (\$ 7,991,230.00)
THIRTY

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

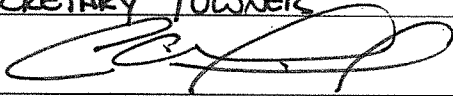
N/A Dollars (\$ N/A)

NAME OF BIDDER: M.R. PITTMAN Group, LLC
ADDRESS OF BIDDER: 171 I-310 SERVICE ROAD
ST. ROSS, LA 70081

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 42296

NAME OF AUTHORIZED SIGNATORY OF BIDDER: CHRIS LAICHE

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: SECRETARY / OWNER

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: July 13, 2017

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 300,000.00	\$ 300,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 100,000.00	\$ 100,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 120.00	\$ 14,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 5,000.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 2,000.00	\$ 2,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 50.00	\$ 46,875.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 25.00	\$ 25,875.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 4.00	\$ 5,660.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 17.00	\$ 94,180.00

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 80.00	\$ 13,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 90.00	\$ 7,650.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 3,500.00	\$ 7,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 19.00	\$ 12,635.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 1,150.00	\$ 1,150.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 1,800.00	\$ 662,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 6,000.00	\$ 30,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 150,000.00	\$ 150,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 750,000.00	\$ 750,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 90.00	\$ 316,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 1,200.00	\$ 46,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 3,500.00	\$ 3,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	3,000.00	3,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	65.00	13,975.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 2,200.00	\$ 2,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 2,000.00	\$ 2,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 40,000.00	\$ 40,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	\$ 150,000.00	\$ 150,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	\$ 900.00	\$ 283,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 250,000.00	\$ 250,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 25.00	\$ 285,250.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 28.00	\$ 140,280.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 750.00	\$ 480,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 50,000.00	\$ 50,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 25,000.00	\$ 25,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 3,500.00	\$ 3,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 520,000.00	\$ 520,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 450,000.00	\$ 450,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 525,000.00	\$ 525,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 550,000.00	\$ 550,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 60,000.00	\$ 60,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 250,000.00	\$ 250,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 120,000.00	\$ 120,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 15,000.00	\$ 15,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 42,000.00	\$ 42,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 30,000.00	\$ 30,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 150,000.00	\$ 8150,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 9,000.00	\$ 9,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 60,000.00	\$ 60,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 40,000.00	\$ 40,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 40,000.00	\$ 40,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 280,000.00	\$ 280,000.00


DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 75,000.00	\$ 75,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 30,000.00	\$ 30,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 5,000.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 356,000.00	\$ 356,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 20,000.00	\$ 20,000.00

📍 2525 Quail Drive, Baton Rouge, 70808 📞 (225) 765-2301 

Louisiana State Licensing Board for Contractors

Contractor Information

Business Name M.R. PITTMAN GROUP, L.L.C.
Mailing Address 171 I-310 Service Road
 St. Rose, LA 70087
Phone Number (504) 733-3040
Fax Number (504) 733-3042
Email Address chris@mrpittman.com

Active Licenses

License Number 42296
Type Commercial License
Status LICENSED
Effective 05/22/2016
Expiration 05/21/2019
First Issued 05/21/2004

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Michael R. Pittman	ALL
BUSINESS AND LAW	Michael R. Pittman	ALL
HEAVY CONSTRUCTION	Michael R. Pittman	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Michael R. Pittman	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Michael R. Pittman	ALL

Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF St. CHARLES

BEFORE ME, the undersigned authority, personally came and appeared: _____

CHRIS LAICHE, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Secretary/owner of M.R. Pirmann Group LLC (Entity), the party who submitted a bid in response to Bid Number 2007-023-DJR, to the Parish of SD-001A429 Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ☒

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B ☒ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

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Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).




Signature of Affiant

CHRIS LAICHE

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 12th DAY OF July, 2017.


Notary Public

TRISTAN MANTHEY

Printed Name of Notary

NOTARY PUBLIC

State of Louisiana

LSBA Number: 24539

Notary/Bar Roll Number

My Commission is issued for Life.

My commission expires _____

[Print](#)

Notary Search - Detail

Name: MR. TRISTAN EDWARDS MANTHEY
Address: 650 POYDRAS ST.,STE.2500
NEW ORLEANS, LA 70130
Phone: (504) 568-1888
Notary ID Number: 54204
Parish: ORLEANS with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 24539
Status: Active
Commission Date: 02/17/1997
Oath Date: 01/30/1997
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

[Back to Search Results](#)[New Search](#)

Debarment/Suspension Form

DEBARMENT/SUSPENSION CERTIFICATION

Debarment:

Federal Executive Order (E.O.) 12549 "Debarment" requires that all contractors receiving individual awards, using federal funds, and all subrecipients certify that the organization and its principals are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency from doing business with the Federal Government. By signing this document you certify that your organization and its principals are not debarred. Failure to comply or attempts to edit this language may disqualify your bid. Information on debarment is available at the following websites: www.sam.gov and <https://acquisition.gov/far/index.html> see section 52.209-6.

Your signature certifies that neither you nor your principal is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

CHRIS LAICHE - SECRETARY/OWNER
(Name and Title of bidder's official)

M. R. PITTMAN Group, LLC
(Name of bidder/company)

171 I-310 SERVICE ROAD
(Address)
ST. ROSE, LA 70087
(Address)

PHONE 504 733 3040 FAX 504 733 3042

EMAIL Chris@mcpittman.com



Signature July 12, 2017 Date

Anti-Lobbying Form

CERTIFICATION OF RESTRICTIONS ON LOBBYING

I, CHRIS LAICHE - SECRETARY/OWNER hereby certify on
(name and title of bidder's official)

behalf of M.R. PITTMAN GROUP, LLC that:
(name of bidder)

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit standard Form-LLL, "Disclosure Form to Report Lobbying, " in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance is placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Executed this 12th day of July, 2017.

By [Signature]
(signature of authorized official)

SECRETARY/OWNER
(title of authorized official)

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
M.R. Pittman Group, LLC
INCORPORATED.

AT THE MEETING OF DIRECTORS OF M.R. Pittman Group, LLC
INCORPORATED, DULY NOTICED AND HELD ON June 26, 2017,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT CHRIS LAICHE, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.



SECRETARY-TREASURER

June 26, 2017

DATE

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

M.R. Pittman Group, LLC as PRINCIPAL, and

Travelers Casualty and Surety Company of America as SURETY, are held and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent of Amount Bid

DOLLARS (\$ 5% of Amount Bid) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated June 20, 2017, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 20th day of June, 2017, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

(Business Address, including Zip Code)

(Partnership)

(SEAL)

(Business Address, including Zip Code)

ATTEST:

BY: Karla V. Morris



(Corporate Principal)

M.R. Pittman Group, LLC

171 I-310 Service Road, St. Rose, LA 70087

(Business Address, including Zip Code)

BY: _____
AFFIX CORPORATE SEAL

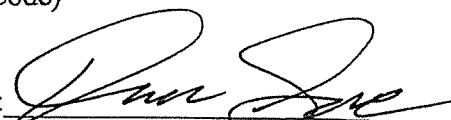
ATTEST:

Lise Umbach

Travelers Casualty and Surety
Company of America
(Corporate Surety)

3900 North Causeway Blvd., Suite 950, Metairie, LA 70002

(Business Address, including Zip Code)

BY: 
AFFIX CORPORATE SEAL
Duane Smith, Attorney-in-Fact

Countersigned:

BY: Johnny D. Hayston (Lic#289479)
Attorney-in-Fact*

State of Louisiana

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

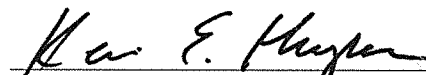
FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.


I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 20th day of June, 20 17


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YY) 5/24/2017			
PRODUCER Eustis Insurance, Inc. 110 VETERANS MEMORIAL BLVD., SUITE 200 METAIRIE, LA 70005-4913		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. COMPANIES AFFORDING COVERAGE COMPANY A THE GRAY INSURANCE COMPANY COMPANY B COMPANY C COMPANY D			
INSURED M. R. Pittman Group, L.L.C. 171 I-310 Service Road St. Rose, LA 70087					
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.					
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT	XSGI-074169	6/1/2015	6/1/2018	GENERAL AGGREGATE PRODUCTS – COMP/OP AGG
	PERSONAL & ADV INJURY EACH OCCURRENCE				
	FIRE DAMAGE (Any one fire)				
	MED EXP (Any one person)				
	COMBINED SINGLE LIMIT				
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	XSAL-075165	6/1/2015	6/1/2018	BODILY INJURY (Per person)
	BODILY INJURY (Per accident)				
	PROPERTY DAMAGE				
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY – EA ACCIDENT
A	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input checked="" type="checkbox"/> OTHER THAN UMBRELLA FORM	GXS-043254	6/1/2017	6/1/2018	EACH OCCURRENCE
	AGGREGATE				
A	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: <input checked="" type="checkbox"/> INCL <input type="checkbox"/> EXCL	XSWC-070884	6/1/2015	6/1/2018	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH ER
	EL EACH ACCIDENT				
	EL DISEASE – POLICY LIMIT				
	EL DISEASE – EA EMPLOYEE				
OTHER					
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS The certificate holder is an additional insured on all policies except Workers' Compensation and is provided a Waiver of Subrogation, all if required by written contract. The above insurance policies shall be primary and noncontributory to any other insurance policies maintained by the certificate holder, if required by written contract.					
CERTIFICATE HOLDER			CANCELLATION		
"TO WHOM IT MAY CONCERN"			In the event of cancellation by The Gray Insurance Company and if required by written contract, 30 days written notice will be given to the Certificate Holder.		
			AUTHORIZED REPRESENTATIVE		
GCF 00 50 01 01 12			 THE GRAY INSURANCE COMPANY		

THE GRAY INSURANCE COMPANY

The below coverages apply if the corresponding policy number is indicated on the previous page.

A. Commercial General Liability

General Liability Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured (CGL Form# CG 20 10 11 85) when required by written contract.

Primary Insurance Wording Included when required by written contract.

Broad Form Property Damage Liability including Explosion, Collapse and Underground (XCU).

Premises/Operations

Products/Completed Operations

Contractual Liability

Sudden and Accidental Pollution Liability

Occurrence Form

Personal Injury

"In Rem" Endorsement

Cross Liability

Severability of Interests Provision

"Action Over" Claims

Independent Contractors coverage for work sublet

Vessel Liability - Watercraft exclusion has been modified by the vessels endorsement on scheduled equipment.

General Aggregate applies per project or equivalent.

B. Automobile Liability Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured when required by written contract.

C. Workers Compensation Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

U.S. Longshoremen's and Harbor Workers Compensation Act Coverage

Outer Continental Shelf Land Act

Jones Act (including Transportation, Wages, Maintenance, and Cure),

Death on the High Seas Act & General Maritime Law.

Maritime Employers Liability Limit: \$1,000,000

Voluntary Compensation Endorsement

Other States Insurance

Alternate Employer/Borrowed Servant Endorsement

"In Rem" Endorsement

Gulf of Mexico Territorial Extension

D. Excess Liability Policy Includes:

Coverage is excess of the Auto Liability, General Liability, Employers Liability, & Maritime Employers Liability policies

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured when required by written contract.



Internal Revenue Service
The Digital Daily
DEPARTMENT OF THE TREASURY

| | |

Federal Tax ID / EIN

This is your provisional Employer Identification Number:

20-0709842

Today's Date is: February 10, 2004 GMT

You will receive a confirmation letter in U.S. mail within fifteen days.
The letter will also contain useful tax information for your business or organization.

If you have input any of the information on your application in error, please wait seven days and contact the EIN Toll Free area at 1-800-829-4933, Monday - Friday, 7:30am - 5:30pm. If you do not want to call, please make corrections on the letter you receive confirming your EIN and return it to the IRS.

You may click on the buttons below for different print options or to fill out another Form SS-4.

[Review and Print Form SS-4](#) [Fill Out Another Form SS-4](#)

Click [here](#) to return to the Internet Employer Identification Number landing (start) page.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
M R Pittman Group, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification; check only **one** of the following seven boxes:
☐ Individual/sole proprietor or single-member LLC
☒ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ **P**
Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.
☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.)
171 I-310 SERVICE ROAD

6 City, state, and ZIP code
ST. ROSE, LA 70087

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
				-				

or

Employer identification number								
2	0		-	0	7	0	9	8
							4	2

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ *Catherine Amiez* Date ▶ *7/8/2015*

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

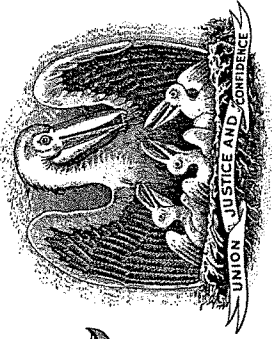
Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

State of Louisiana



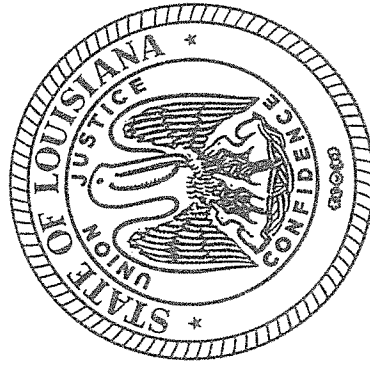
State Licensing Board for Contractors

This is to Certify that:

M.R. PITTMAN GROUP, L.L.C.
171 I-310 Service Road
St. Rose, LA 70087

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; HEAVY CONSTRUCTION; HIGHWAY, STREET AND BRIDGE
CONSTRUCTION; MUNICIPAL AND PUBLIC WORKS CONSTRUCTION



Expiration Date: May 21, 2019

License No: 42296

Witness our hand and seal of the Board dated,
Baton Rouge, LA 22nd day of May 2016

Will B. McCoy Director

Lee Mallett Chairman

Andy Dumas Treasurer

This License Is Not Transferrable

July 10, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

SPECIFICATION 15131 1.02.A

1.11 SUBMITTAL REQUIREMENTS WITH BID

1.02.A – See attached support documents:

Experience Information;

- Partial list Mixed/Axial Flow Pumps 2003 thru 2014 installations
- Reference Installation list dated Nov 28, 2011 – 1978 to 2006 installations
- Press release dated 09-04-07 – USACE Presents Coin of Excellence to Patterson Pump Company

Special Tools;

- No special tools required

1.11 – Submittal Requirements with Bid;

- See attached listing with preliminary outline drawing, curve, and list of exceptions.

General Comment – Spare Parts;

- Pump – no requirement for spare parts was found in the pump specification, none provided.
- Engine – provided per specification, see Engine Scope for details
- Right Angle Gear – provided per specification

.....

ADDITIONAL ITEM;

Copy of Caterpillar/Yancey Brothers quote is attached for clarification of their complete scope of supply.

Specification 15131

Section 1.02.A

Manufacturers Experience

PARTIAL LIST MIXED/AXIAL FLOW PUMPS 2003 THRU 2014

YEAR	MODEL	CUSTOMER	CITY	STATE	Flow	Head	Rpm	Order #
2003	18x24SAFV	ATLANTIC SKANSKA	COVINGTON	GA	9000	15	700	C038448
2006	48x48SAFV	M.A. BONGIOVANNI		MI	74050	11.9	393	C049408
2006	16X18SAFV	TYLERSVILLE FISH CULTURE	LOGANTON	PA	7100	25	880	C055357
2006	20X20SAFV	KUB	KNOXVILLE	TN	12000	51	900	C055636
2006	16X18SAFV	CITY OF DURHAM	DURHAM	NC	9000	43	1180	C056138
2006	33X36SAFV	POTOMAC WATER	POTOMAC	MD	34772	8.5	505	C061241
2006	26X30SAFV	POTOMAC WATER	POTOMAC	MD	24000	34	720	C061242
2006	26X30SAFV	POTOMAC WATER	POTOMAC	MD	24000	14.7	720	C061243
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061840
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061841
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061842
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061843
2007	18SAFV	QUIGG BRANCH PS	COVINGTON	GA	5000	12	705	C065332
2009	12X14SAFV	CITY OF LAUREL WTP	LAUREL	MT	3500	20.5	1175	C086596
2009	26 SAFV	DEVILS LAKE WRF	DEVILS LAK	ND	25000	45	720	C092919
2010	26X36SAFV	LPV109-12A PS 2	NEW ORLEANS	LA	25232	12.5	580	C097837
2010	26X36SAFV	ARCHER WESTERN CONST	NEW ORLEANS	LA	25232	12.5	580	C098736
2010	57X66SAFV	TECHE-VERMILLION FWD	KROTZ SPRINGS	LA	116688	27	320	C098933
2010	26X36SAFV	BAYOU SAVAGE - LPV-111	NEW ORLEANS	LA	25232	12.5	580	C099014
2010	20SAFV-2stg	KUB	KNOXVILLE	TN	13000	30	705	C0100389
2010	42SAFV	BAYOU METO	LITTLE ROCK	AR	56104	23	384	C099669
2010	42X54SAFV	MICHOUD ASSY-NASA	HARAHAN	LA	62500	40	500	C0101477
2011	12X18SAFV	MINTO FISH COLLECTION	GATES	OR	6500	50	1770	C0104925
2011	68X84AFV	HARAHAN PUMP TO RIVER	HARAHAN	LA	179532	9.8	267	C0107561
2011	18X30SAFV	WSCI/MCAllen/EL PICO	LAREDO	TX	14616	36.3	1175	C0108244
2011	12X14SAFV	CITY OF GAINESVILLE	GAINESVILLE	FL	4000	10	880	108297
2012	30X42SAFV	DWU - C10 WTP	DALLAS	TX	35000	25.5	505	C0112458
2012	12SAFV	REYNOLDS - KUB 4TH ST	KNOXVILLE	TN	5400	17.6	1175	C0112886
2014	16SAFV	PEACE RIVER PS	ARCADIA	FL	8340	36	1180	C0127431 *
2014	57X66SAFV	TECHE-VERMILLION FWD	KROTZ SPRINGS	LA	116688	27	320	C0127875 *
2014	16SAFV	GAWA WTP	ST. ALMA	MI	7280	26	880	C0129967 *
2014	16SAFV	GAWA WTP	ST. ALMA	MI	7280	26	880	C0129919 *
2014	12SAFV	FT. POLK NORTH	FORT POLK	LA	5000	26	1200	C0134605 *
2013	159TMF	PCCP	NEW ORLEANS	LA	807894	15.3	102	C0120980 *
2013	113TMF	PCCP	NEW ORLEANS	LA	403947	15.03	144	C0120981 *

* INDICATES PROJECTS UNDER CONSTRUCTION, PUMPS NOT YET IN SERVICE AS OF 02-16-15

November 28, 2011

RE: REFERENCE INSTALLATIONS FOR PATTERSON
VERTICAL MIXED AND AXIAL FLOW PUMPS
FLOW GREATER THAN 100,000 GPM

2006 - LONDON AVENUE PUMP STATION, NEW ORLEANS, LA; USACE PROJECT

*Ms. Missy Arnold, Contracting Officer; (504) 862-1796

*Mr. Dan Bradley; (504) 920-4632

Patterson 68x72SAFV, Design Point; 135,633gpm @ 20.25' TDH

Diesel Driven, Formed Suction Intakes utilized

2004 - CLUTE-LAKE JACKSON WATERSHED, VELASCO DRAINAGE DISTRICT

Mr. Mel McKey, Superintendent; (979) 265-4251

Mr. Douglas Harris, Supervising Engineer; (713) 304-9508

Patterson 96x96AFV, Design Point; 260,000gpm @ 15.1' TDH

Diesel Driven

1999 - Destrehan II P.S.

Destrehan, LA

Mr. Russell Tastet (985) 783-5102

Patterson 72x72AFV, Design point 149,000gpm @ 16' TDH

Diesel Engine Driven

1994 - AQUIRE STEAM STATION, PUERTO RICO

Raw water supply pumps - saltwater duty

Mr. Eduardo Berrios, Power Equipment Inc., (787) 725-5470

Patterson 60x78SAFV; Design Point 141,500gpm @ 40' TDH

Electric Motor Driven

1992 - JUBAIL AND YANBU SEAWATER COOLING PUMP PLANT

JUBAIL SAUDI ARABIA

Mr. Clark Ash, Contract Manager-Bechtel, (03) 341-4181

4 - Patterson 68x78SAFV; Design Point 214,000gpm @ 34' TDH

Electric Motor Driven

1991 - Jean LaFitte Pump Station #6

St. Bernard Parish, LA

Mr. Ken Odinet (504) 278-4517

3 - Patterson 72AFV; Design Point 140,000gpm

Diesel Engine Driven

1990 - Bayou Ducross, PS #7

St. Bernard Parish LA

Mr. Ken Odinet (504) 278-4517

3 - Patterson 75x72AFV, Design Point 142,000gpm @ 11.5' TDH

Diesel Engine Driven

1989 - PIGEON CREEK; DIAMOND AVENUE PS, EVANSVILLE, IN; USACE PROJECT
EVANSVILLE LEVEE AUTHORITY

Mr. Jay Perry, Maintenance Supervisor; Levee Authority District; (812) 435-8127

Patterson Pump Company - A Subsidiary of The Gorman-Rupp Company

P.O. Box 790 - 2129 Ayersville Road - Toccoa, Georgia 30577

Phone: (706) 886-2101 - Fax: (706) 886-0023



November 29, 2011

Page 2

Patterson 72x72SAFV, Design Point 188,509gpm @ 31.5' TDH
Diesel Engine Driven, Formed Suction Intake utilized

1985 - GAINARD WOODS PROJECT, PLAQUEMINE PARISH, LA, USACE PROJECT
Mr. Stuart Williamson (504) 682-5941
Patterson 72X72AFV; Design Point 128,000gpm @ 15.5' TDH
Electric Motor Driven

1985 – City of San Mateo, CA
Marina Lagoon Pump Station;
Mr. Tony Baltodano, Office - (650) 483-5839, Cell (650) 483-5839
email at baltodan@cityofsanmateo.org
5 – 72x72AFV, Design Point 150,000 gpm
Diesel Engine Driven

1982 - JEFFERSON PARISH; AMES PUMP STATION/ ELMWOOD PUMP STATION
Mr. Mitch Theriot (504) 736-6751
Patterson 75x84AFV; Design Point 175,032gpm – Ames PS – Electric Motor Driven
Patterson 72x72AFV; Design Point 136,000gpm – Elmwood PS – Electric Motor Driven

1982 - Lake Cataouatche Pump Station #2
Jefferson Parish, LA
Mr. Mitch Theriot (504) 736-6751
2 - Patterson 72x72AFV, Design Point 136,000gpm
Diesel Engine Driven

1979 – Delaware Street P.S.
Evansville, IN
Mr. Jay Perry, Maintenance Supervisor; Levee Authority District; office 812-435-6137;
cell (812) 568-9407
Patterson 57x66SAFV, Design point 113,400gpm
Diesel Engine Driven

1978 – Upper Mill Creek P.S.
Mr. Roy Flynn, P.E.; Louisville MSD, Metro Operations Division; (502) 896-6957
Patterson 72x72SAFV, Design point 173,000 gpm
Diesel Engine Driven

Best Regards,

C. Steve McIntyre
Custom Pump Regional Sales Manager
Patterson Pump Company
706-886-2101
706-297-2877
smcintyre@pattersonpumps.com

9/4/07

FOR IMMEDIATE RELEASE

Patterson Pump Company Accomplishes A 150-Day 'Impossibility' At New Orleans' London Avenue Canal Station

In December of 2006, the U.S. Corps of Engineers changed its flood and storm water control strategy to increase pumping capacity to 5,200 cfs (2,300,000 GPM) with direct drive pumps at the London Avenue Canal, site of two major breaches during Katrina.

There was a problem. The manufacture of eight massive, mixed flow pumps to provide the needed pumping capacity would require 18 to 24 months. The new pumps were needed by mid-August, 2007, the beginning of hurricane season. Pump manufacturers considered the time frame an impossibility.

Subcontractor M.R. Pittman Group of Harahan, LA, through Ronnie Hebert of Environmental Technical Sales (ETEC) of Baton Rouge, approached President Al Huber and Patterson engineers to consider the impact these pumps would make on the critical recovery effort of the Greater New Orleans area. All other members of the recovery team were in place, providing infrastructure and foundational units; only the direct drive pumps were missing.

Patterson made the commitment for the manufacture, delivery and testing of eight special fitted, 68" x 72" SAFV Mixed Flow Pumps in a 150-day period. A contract was awarded on December 22, 2006.

While manufacturing was under way, other recovery team members installed new surge gates, discharge pipes and other foundational units of the pumping station in readiness for pump deliveries. All eight were delivered and installed on schedule.

Lengthy and critical dry-tests were conducted on the pumps during the second week of August, proving them ready for running in water. Wet-tests were conducted the following week and all eight pumps were officially accepted by the U.S. Corps of Engineers on August 15.

Col. Jeffrey Bedey, Commander of the Hurricane Protection Office of the U.S. Corps of Engineers, reflected on the total effort of putting the new pumping station into place with these remarks:

"It was on 15 August that we completed testing here at London Avenue Canal. We ran all eight of these pumps. An unbelievable effort. A team effort. I couldn't be prouder to be part of the team...that made history. Patterson Pump should be proud. They were there all along the way.

"How significant is delivery of eight massive pumps from an industry standard? It should have taken 18-24 months. Talk to any pump manufacturer or engineer who has built pumping stations before. The lead time on pumps of this magnitude is 18-24 months. So, how did Patterson deliver? Because they were committed...to the work going on here in the greater New Orleans area. They understood the significance of what was going on.

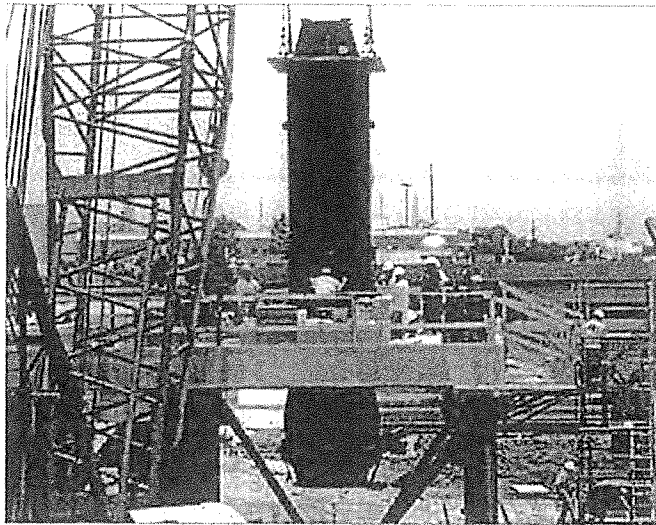
"What we are doing here in New Orleans is about more than just building pumps. It's about restoring the faith and confidence in the people. Not in the U.S. Corps of Engineers, but that inner faith and confidence such that people want to come back to this great community.

"It's not just hurricane protection. It's other things, like bringing schools back, churches back, law and order, the New Orleans Saints in football games. All of those things help to restore that faith and confidence. Patterson understood that. They understood the significance of showing progress.

"Deeds, not words. It's easy to talk, but if you're going to talk the talk, you're going to have to walk the walk. Patterson walked the walk.



*Col. Jeffrey Bedey,
Commander of the Hurricane Protection Office of the U.S. Corps of Engineers*



One of eight Patterson pumps being installed at the London Avenue Canal pumping station.

Mike Pittman, Owner of M.R. Pittman Group, LLC, had this to say about the Patterson feat:

"This challenge to engineer and supply these pumps from conception to delivery was difficult at best and had never been done before.

"Since the day we awarded the contract, Al Huber and his whole group made a commitment to supply and fulfill that order in the time frame specified (150 days). When we issued the contract to Patterson, within 48 hours they were in the production phase for the lead time items in the project.

"Most people thought it couldn't happen, but Al's hands-on, daily involvement and personal touch on this project was probably the instrumental part of why this equipment got here and is operating today."

Patterson President Al Huber was quick to point out the reason for the successful effort:

"The dedication and best efforts of all Patterson personnel was the key to our ability to meet such critical deadlines. It could not have been accomplished without a total team effort—a Patterson trademark."

Patterson Pump Company is a subsidiary of The Gorman-Rupp Company of Mansfield, Ohio.

#

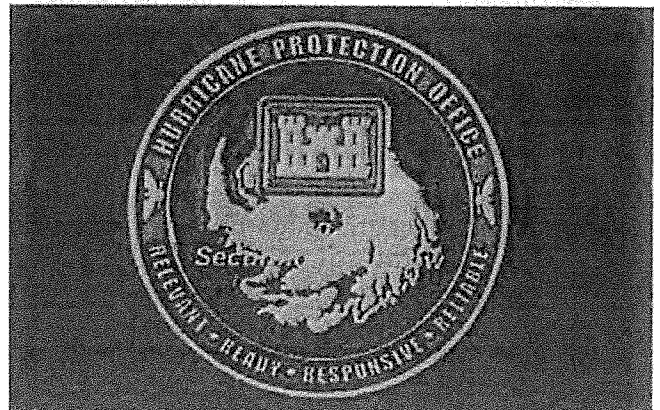
For further information, please contact:

Brian Henry
Advertising Manager
Patterson Pump Company
706-297-2852
bhenry@pattersonpumps.com

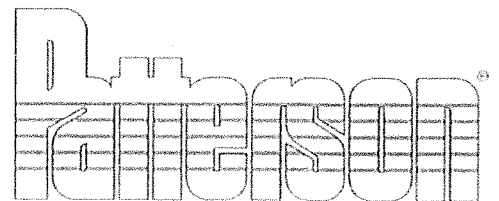
"How much confidence do I have in these pumps? They are dry-tested before they are ever put into the water. In total, they are 12-1/2 hours of running in the dry. When these pumps passed that test the level of confidence that they will move water exceeds 99%. I'm here to tell you today that the level of confidence is 100%. We turned every one of those pumps on after they passed the dry-test and they all moved water at their designed capacity.

"22 December - 15 August, from award of contract, delivery of pumps, installation and full testing and acceptance of those pumps. I challenge the engineering community to find a greater example of making things happen.

"Patterson had a strong relationship all the way."



This Commanders Coin of Excellence, Presented to Albert Huber, President of Patterson Pump Company, by Colonel Jeffery Bedey, Commander of HPO, Army Corps of Engineers, New Orleans, in recognition of the Teamwork and Dedication shown in the recovery work of the London Ave. Canal.



Specification 15131

Section 1.11

Submittal Requirements with Bid

July 12, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

SPECIFICATION 15131

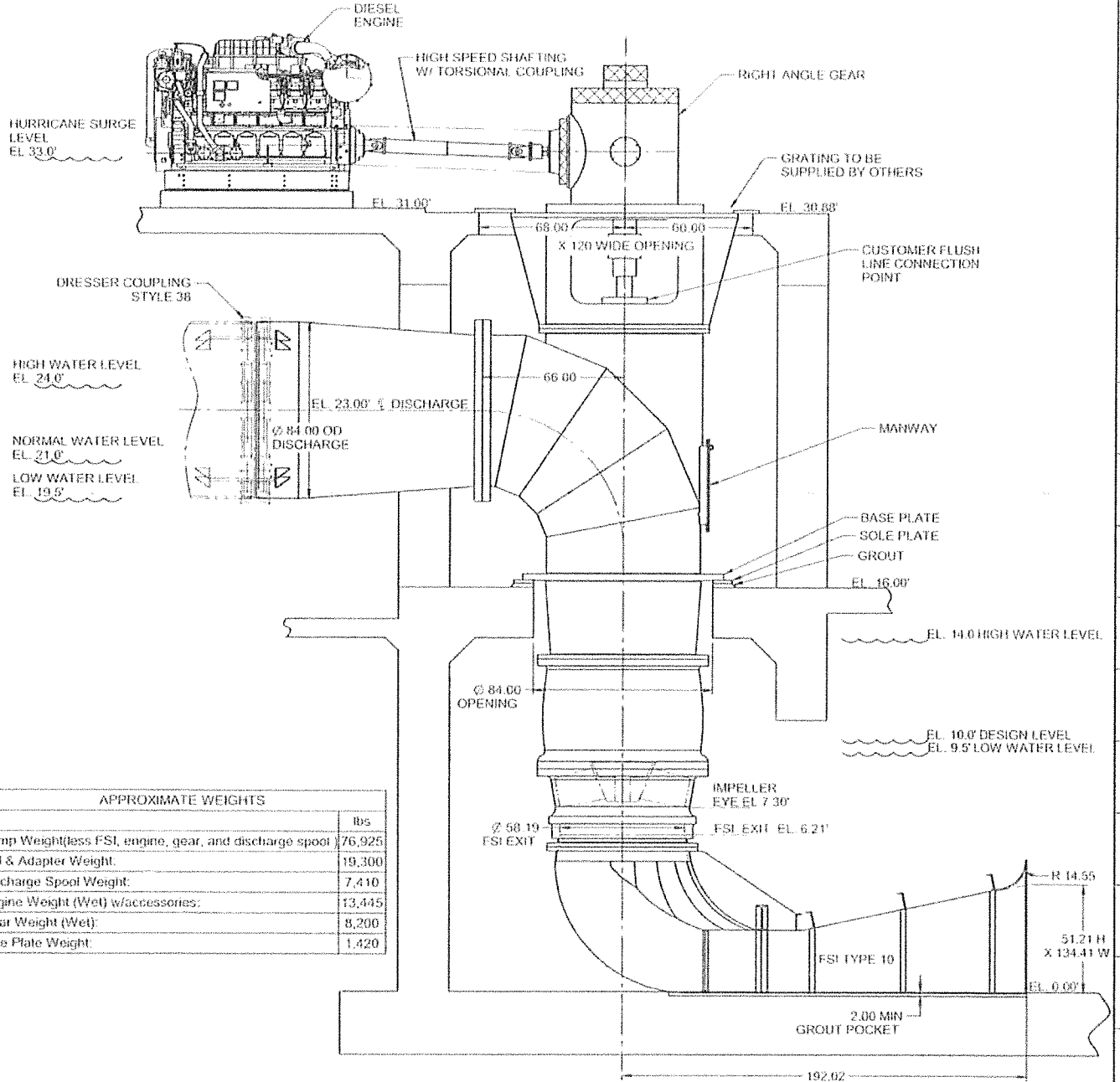
1.11 SUBMITTAL REQUIREMENTS WITH BID

- | | |
|---|---|
| 1. Name of Manufacturer | PATTERSON PUMP COMPANY |
| 2. Preliminary Outline Drawing | See Drawing C04-144844 – attached |
| 3. Guaranteed Performance: | |
| a. Capacity | 350 CFS |
| b. Total Head | 18.4 ft |
| c. NPSH Required | 30.3 ft |
| d. Pump Efficiency | 86.6% |
| e. Pump Speed | 273 rpm |
| 4. Pump Curves
documents) | See attached curves(with model test support |
| 5. Lube Water Flow Required | 8 – 11 gpm |
| 6. Lube Water Pressure | 50 psi |
| 7. Weight of entire pump*
adapter) | 78,345 lbs (*does not include FSI and FSI |
| 8. Weight of pull out element | not applicable |
| 9. Weight of rotating element | approximately 7000 lbs |
| 10. WK ² of pump rotating element | 9500 lb-ft ² wet |
| 11. Maximum Hydraulic Downthrust (momentary) | 34,375 lbs |
| 12. Maximum hydraulic downthrust (continuous) | 28,750 lbs |
| 13. Speed Torque Curve | See attached |
| 14. Three Quadrant Curve | See attached |
| 15. User's list
Experience | See attached under 1.02A – Manufacturer's |
| 16. Assembly required after delivery | Pump ships assembled. Sole Plate and FSI ship |
| in advance as they must be installed before the pump. Engine, Gear, interconnecting
components, couplings, shafting guards, ancillary devices to engine, etc to be field installed by
Contractor or others. | |
| 17. Service Rates for additional service | See attached |
| 18. List of special tools supplied | no special tools supplied |
| 19. List of technical and commercial exceptions | see Patterson Proposal |

PRELIMINARY

(NOT FOR CONSTRUCTION)

JEFFERSON PARISH, LOUISIANA
DRAINAGE CAPITAL PROGRAM MANAGEMENT
DRAINAGE IMPROVEMENTS
PARISH LINE DRAINAGE PUMP STATION IMPROVEMENTS-PHASE 1
JEFFERSON PARISH PUBLIC WORKS PROJECT NO. 2007-023-DR



APPROXIMATE WEIGHTS

	lbs
Pump Weight (less FSI, engine, gear, and discharge spool)	76,925
FSI & Adapter Weight:	19,300
Discharge Spool Weight:	7,410
Engine Weight (Wet) w/accessories:	13,445
Gear Weight (Wet):	8,200
Sole Plate Weight:	1,420



PATTERSON PUMP COMPANY
A CORVAX PUMP COMPANY

OUTLINE DIMENSION
FOR
FOR 65X72 TMF

DWG NO.		REV
C04-144844		0
DRAWN	DATE	
jblackwell	7/11/2017	
SCALE	APPROV	SHEET OF
NONE	BS	1 1

Patterson Pump Company

Expected Performance Characteristic Curve

New Parish Line Pump Station

Phase I

Jefferson Parish Department of Drainage

66 x 72 TMF @ 273 RPM

Design Condition (Guaranteed)

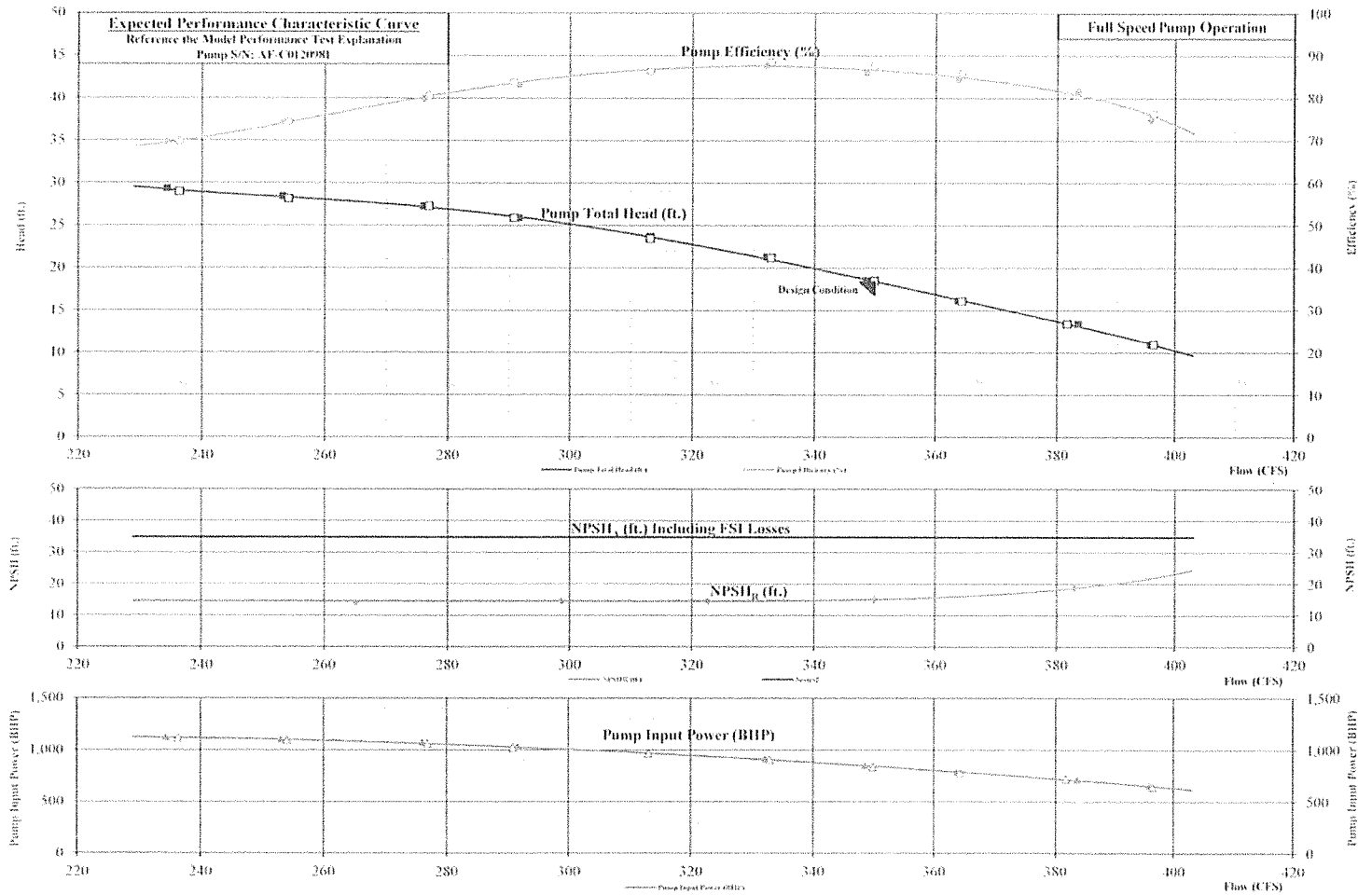
Capacity = 350 CFS

Pump Total Head = 18.1 ft.

Pump Efficiency = 36.6%

NPSH_R = 30.3 ft.

The pump is capable of operating over the entire range specified in Addendum No. 3, Section 15131 "Mixed Flow Vertical Pump", Paragraphs 1.03 "Pump Performance" and 1.04 "Design Conditions".



Model Performance Test Explanation

Reference: AF-C0120981, P.C.C.P. Model Pump Test Report
Model Pump: 24 TME, 4 Vanes, 22.97 inch Outside Diameter
Model Speed: 920 RPM
Test Date: August 7, 2013

As indicated in the model pump test report, the model pump performance (including internal pump losses) was calculated to be as follows.

Test # 1W

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.11	69.57	273.37
2	18,441.97	42.79	74.20	268.58
3	20,104.34	41.02	79.75	261.11
4	21,237.01	38.95	83.05	251.50
5	22,803.89	35.59	86.37	237.27
6	24,192.51	32.00	87.58	223.24
7	25,383.00	27.80	85.81	207.64
8	26,491.13	24.22	84.21	192.42
9	27,933.87	20.10	81.36	174.23
10	28,809.98	16.48	74.75	160.38

Test # 1WH

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,216.08	43.59	69.71	271.83
2	18,508.67	42.34	74.24	266.54
3	20,165.54	41.01	80.59	259.17
4	21,178.90	38.97	83.70	249.04
5	22,803.89	35.25	86.19	235.54
6	24,243.28	31.84	88.36	220.59
7	25,479.70	27.73	87.56	203.76
8	26,537.40	24.19	85.79	188.96
9	27,801.79	20.10	80.45	175.44
10	28,852.44	16.48	76.14	157.75

Test # 1WA – 1WE

Model Pump NPSHR		
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above data was used to plot a model pump performance characteristic curve included in the model pump test report. For reference only, the model pump performance characteristic curve can be found at the end of this document.

The internal losses of the model pump at the tested flow rates are as indicated below (based on 0.627 feet of losses at 18,452 GPM).

Test # 1W

Model Pump Losses		
Ref.	GPM	Losses
1	17,072.01	0.537
2	18,441.97	0.626
3	20,104.34	0.744
4	21,237.01	0.831
5	22,803.89	0.958
6	24,192.51	1.078
7	25,383.00	1.186
8	26,491.13	1.292
9	27,933.87	1.437
10	28,809.98	1.529

Test # 1WH

Model Pump Losses		
Ref.	GPM	Losses
1	17,216.08	0.546
2	18,508.67	0.631
3	20,165.54	0.749
4	21,178.90	0.826
5	22,803.89	0.958
6	24,243.28	1.082
7	25,479.70	1.196
8	26,537.40	1.297
9	27,801.79	1.423
10	28,852.44	1.533

(NOTE: The model pump was tested with a C.O.E. Type 10 FSI. The FSI losses were considered to be system losses, not pump losses.)

Accounting for the pump internal losses, the model pump bowl performance is calculated to be as follows.

Test # 1W

Model Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.65	70.41	273.37
2	18,441.97	43.42	75.29	268.58
3	20,104.34	41.76	81.19	261.11
4	21,237.01	39.78	84.83	251.50
5	22,803.89	36.55	88.71	237.27
6	24,192.51	33.08	90.53	223.24
7	25,383.00	28.98	89.46	207.64
8	26,491.13	25.51	88.69	192.42
9	27,933.87	21.53	87.17	174.23
10	28,809.98	18.01	81.70	160.38

Test # 1WH

Model Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	17,216.08	44.13	70.58	271.83
2	18,508.67	42.97	75.35	266.54
3	20,165.54	41.76	82.05	259.17
4	21,178.90	39.80	85.47	249.04
5	22,803.89	36.21	88.53	235.54
6	24,243.28	32.92	91.36	220.59
7	25,479.70	28.92	91.32	203.76
8	26,537.40	25.49	90.40	188.96
9	27,801.79	21.53	86.16	175.44
10	28,852.44	18.02	83.23	157.75

Test # 1WA – 1WE

Model Pump NPSHR		
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above model bowl performance data can then be mathematically converted to a scaled-up prototype unit with a rated speed of 273 RPM and a model ratio of 2.75 by using the modeling and speed change relationships (modeling equations), as indicated below.

Test # 1W

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.73	70.41	1,123.41
2	113,809.95	28.91	75.29	1,103.74
3	124,068.81	27.81	81.19	1,073.05
4	131,058.82	26.49	84.83	1,033.52
5	140,728.46	24.34	88.71	975.08
6	149,297.92	22.03	90.53	917.40
7	156,644.78	19.30	89.46	853.28
8	163,483.30	16.99	88.69	790.75
9	172,386.77	14.34	87.17	715.98
10	177,793.49	11.99	81.70	659.09

Test # 1WH

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.39	70.58	1,117.08
2	114,221.56	28.61	75.35	1,095.33
3	124,446.50	27.81	82.05	1,065.06
4	130,700.24	26.50	85.47	1,023.43
5	140,728.46	24.11	88.53	967.93
6	149,611.24	21.92	91.36	906.50
7	157,241.52	19.26	91.32	837.35
8	163,768.86	16.97	90.40	776.55
9	171,571.70	14.34	86.16	720.99
10	178,055.53	12.00	83.23	648.27

Test # 1WA – 1WE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype bowl performance data was used as the basis for the submitted expected performance characteristic curve.

The prototype pump internal losses were calculated to be as follows (based on 0.77 feet of losses at 157,090.5 GPM).

Test # 1W

	Prototype Pump Losses	
Ref.	GPM	Losses
1	105,355.60	0.346
2	113,809.95	0.404
3	124,068.81	0.480
4	131,058.82	0.536
5	140,728.46	0.618
6	149,297.92	0.696
7	156,644.78	0.766
8	163,483.30	0.834
9	172,386.77	0.927
10	177,793.49	0.986

Test # 1WH

	Prototype Pump Losses	
Ref.	GPM	Losses
1	106,244.70	0.352
2	114,221.56	0.407
3	124,446.50	0.483
4	130,700.24	0.533
5	140,728.46	0.618
6	149,611.24	0.698
7	157,241.52	0.771
8	163,768.86	0.837
9	171,571.70	0.919
10	178,055.53	0.989

(NOTE: The prototype pump contains a C.O.E. Type 10 FSI. The FSI losses are considered to be system losses, not pump losses.)

Applying the prototype pump internal losses to the scaled-up bowl performance, the prototype pump performance is calculated to be as follows.

Test # 1W

	Prototype Pump Performance			
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.39	69.60	1,123.41
2	113,809.95	28.51	74.24	1,103.74
3	124,068.81	27.33	79.80	1,073.05
4	131,058.82	25.95	83.10	1,033.52
5	140,728.46	23.72	86.45	975.08
6	149,297.92	21.33	87.66	917.40
7	156,644.78	18.53	85.90	853.28
8	163,483.30	16.15	84.32	790.75
9	172,386.77	13.41	81.53	715.98
10	177,793.49	11.01	75.00	659.09

Test # IWH

Prototype Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.03	69.72	1,117.08
2	114,221.56	28.21	74.29	1,095.33
3	124,446.50	27.33	80.64	1,065.06
4	130,700.24	25.97	83.75	1,023.43
5	140,728.46	23.49	86.24	967.93
6	149,611.24	21.22	88.44	906.50
7	157,241.52	18.49	87.68	837.35
8	163,768.86	16.14	85.96	776.55
9	171,571.70	13.42	80.64	720.99
10	178,055.53	11.01	76.36	648.27

Test # IWA – IWE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype pump performance data was used to produce the submitted expected performance characteristic curve.

Patterson Pump Company

Model Pump Performance Characteristic Curve

P.C.C.P.

17th Street Pumping Station
Model Pump for the FUTURE 113 TME Pumps
24 TME @ 920 RPM

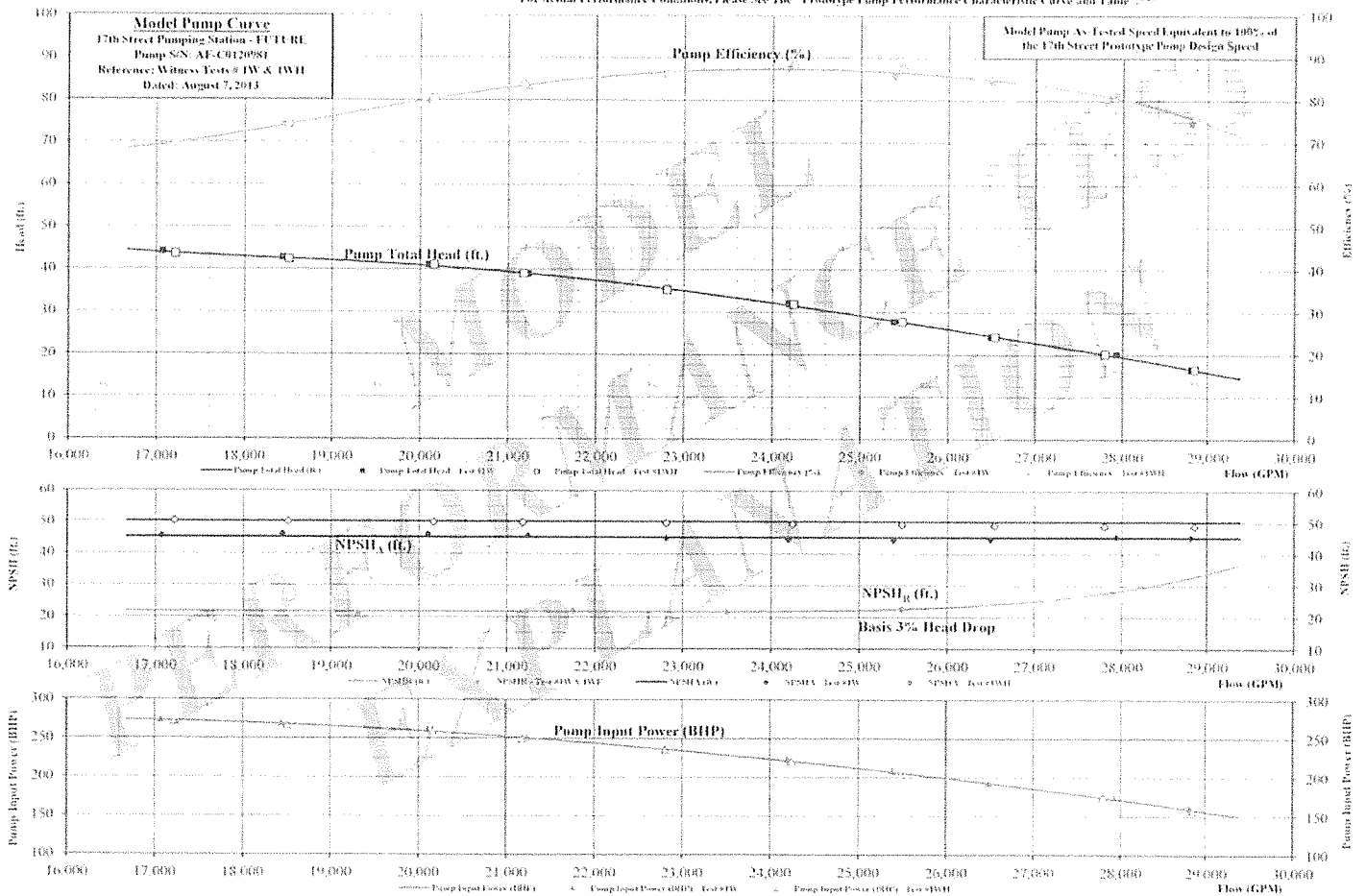
Test No. 1W, Regular Performance Test (Total Suction Head Equivalent to 14.0 feet.)

Test No. 1WH, Positive Pressure Performance Test (Total Suction Head Increased by 5 feet.)

Model Pump As-Tested Speed Equivalent to 100% of the 17th Street Prototype Pump Design Speed

Top Suction Elevation = 23.0 ft.
Pressure Elevation = 18.0 ft.

For Actual Performance Conditions, Please See The "Prototype Pump Performance Characteristic Curve and Table".

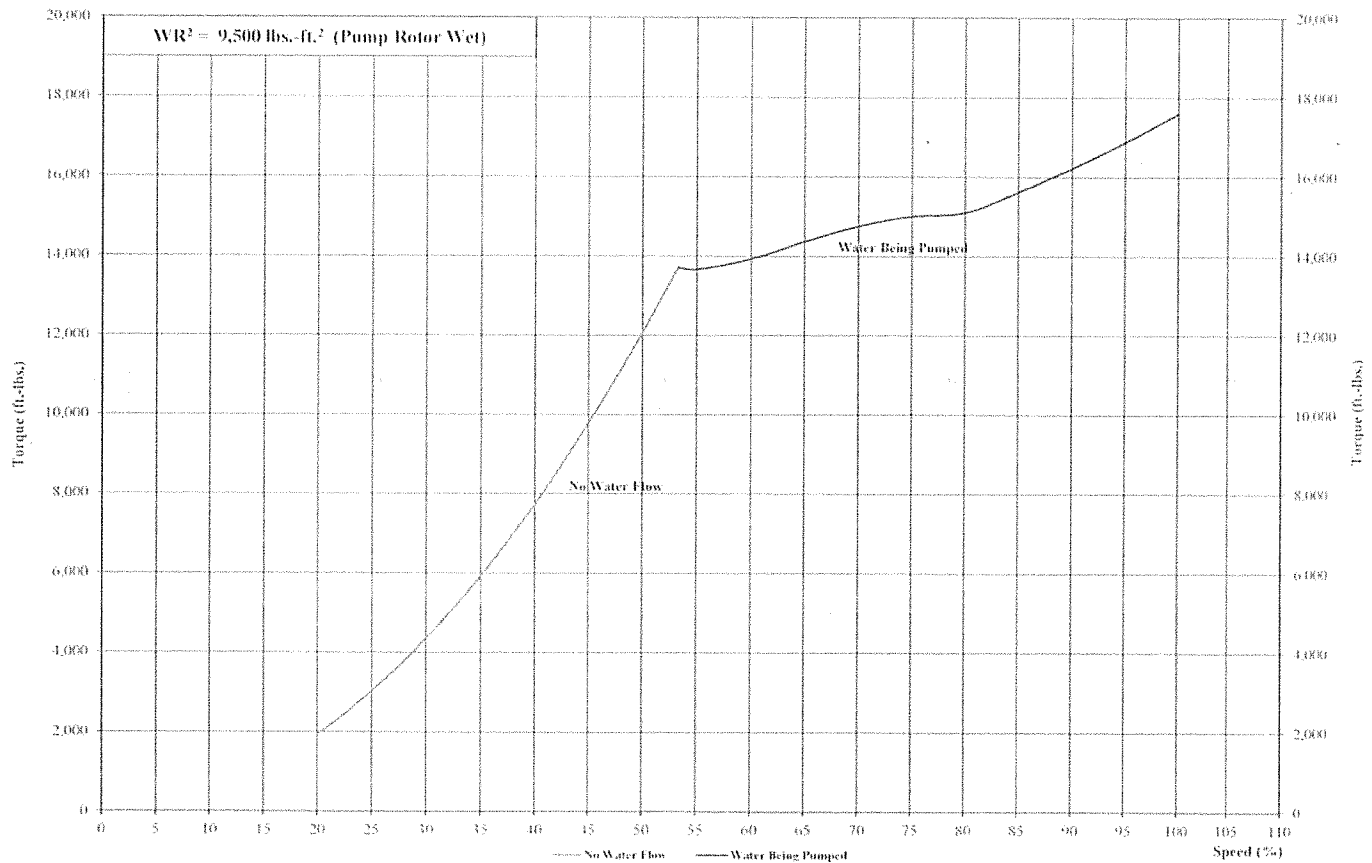


Patterson Pump Company

Expected Torque vs. Percent Speed Curve
New Parish Line Pump Station
Phase I
Jefferson Parish Department of Drainage
66 x 72 TMF @ 273 RPM

Expected Torque vs. Percent Speed Curve

Worst-Case Priming Condition
(Suction W.L. Elevation = 9.5 feet)



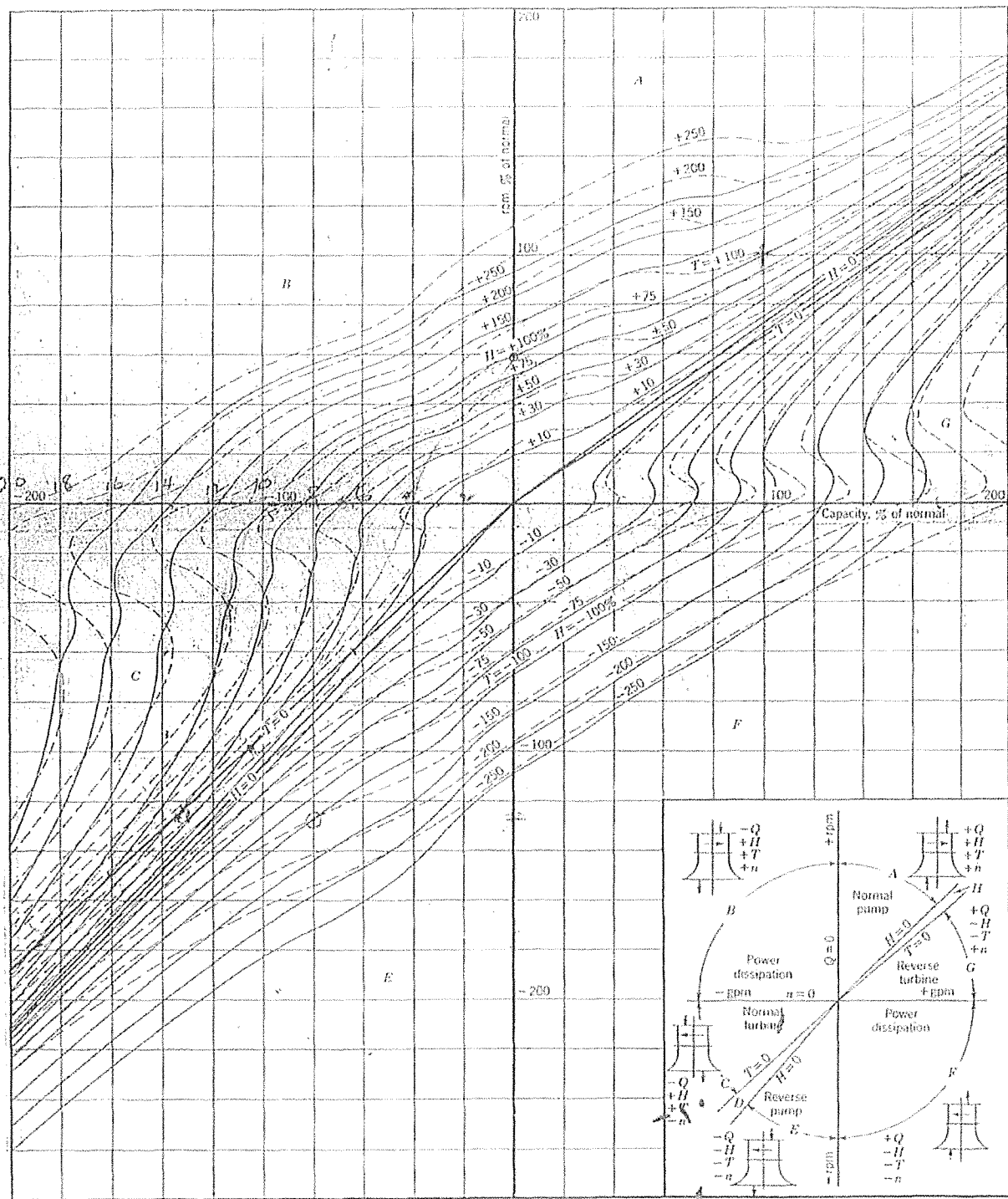


FIG. 13.4. Complete pump characteristics, axial flow pump; $n_s = 13,500$. Data by W. M. Swanson.²¹

PATTERSON PUMP COMPANY

FP-26

TOCCOA, GA. 30577

**FIELD SERVICE RATES
FOR
THE CONTIGUOUS UNITED STATES
PATTERSON SERVICE TECHNICIAN OR ENGINEER**

*FIELD SERVICE TECHNICIAN	\$1500.00 Per 8 hr. day
*ENGINEER	\$2100.00 Per 8 hr. day

TRAVEL EXPENSES:

<i>Hotel</i>	<i>@ Cost</i>
<i>Meals</i>	<i>@ Cost</i>
<i>Private or Company Auto</i>	<i>\$.75 per mile</i>
<i>Rental Car</i>	<i>@ Cost</i>
<i>Airfare, train, bus, etc.</i>	<i>@ Cost</i>

All Service Rates are Portal to Portal.

Field Service Rates include the services of one Service Technician. When special equipment or tools such as grinders, welding equipment, etc. must be secured by PPC an ADDITIONAL CHARGE for rental, hauling, labor, and materials must be made. These items will be invoiced at cost.

**Overtime rate and Saturday rate at regular time, plus one-half of daily rates per hour. Sunday rate is at double the daily rate per hour.*

The service rate does not include taxes of any kind or nature. Any and all taxes assessed against PPC will be added to the invoice for the service provided.

Effective date 08/11/15



Yancey Power Systems
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Quotation # 17JMH0040-01 – REV 2

Project: 1 - 3512C Diesel Engine - Standby
Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

Page # 1 of 7

Mr. Steve McIntyre
Patterson Pump Company
2129 Ayersville Road
Toccoa, GA 30577

3512C Caterpillar SCAC Diesel Engine (1475hp @ 1200rpm)

Caterpillar Industrial Diesel Engine Model 3512C rated 1475 hp at 1200 rpm. Meets Previous US EPA Tier II emissions levels and will be labeled for EPA Standby Emergency by Caterpillar. It will include the following:

Basic Engine Arrangement

- ♦ Caterpillar 12-cylinder, direct injected, turbocharged, aftercooled diesel engine.
- ♦ 4-stroke-cycle, 170 mm bore x 215 mm stroke (6.7 in bore x 8.5 in stroke).
- ♦ 58.6 Liter (3575 cu. In.)
- ♦ 450rpm low idle.
- ♦ Factory designed systems built at Caterpillar ISO 9001:2000 certified facilities.
- ♦ Separate-circuit aftercooler and optimized for low emissions and Previous EPA Tier II certification.
- ♦ This engine will be built to EPA Tier II standards. Meets Previous US EPA Tier II emissions levels and will be labeled for EPA Standby Emergency by the Caterpillar factory. Exhaust aftertreatment is not provided.
- ♦ Engine rotation is standard (counter-clockwise as viewed from flywheel end).

AIR INLET SYSTEM

- ♦ Aftercooler core, corrosion resistant.
- ♦ Air cleaners, regular duty.
- ♦ Closed Crankcase Ventilation system.
- ♦ Service indicators.
- ♦ Dual, rear mounted, turbos.
- ♦ Emergency air inlet shut offs.

CATERPILLAR SPEED CONTROL & ELECTRONIC CONTROL

- ♦ Caterpillar ADEM A3 ECM, LH mounted.
- ♦ Includes adjustable speed droop capability.
- ♦ Requires 24V DC 10 Amp Continuous, 20 Amp intermittent, clean electrical power.
- ♦ Pneumatic speed control, 10-100 psi – Final connection from air supply provided by others.
- ♦ 2-8D batteries with racks and cables for engine control power. 24 volt. Not for starting. Ship loose for installation by others.
- ♦ Sens 24 volt NRG 24-10 battery charger. Ships loose for installation by others.
- ♦ Additional ship loose Caterpillar ADEM A3 ECM module, pre-programed and shipped loose.
- ♦ Customer copy of Caterpillar Electronic Technician for electronic engine control module. Does not include computer or connection cables/devices to engine.

CATERPILLAR CONTROL PANEL

- ♦ Electronic Instrument Panel, LH
- ♦ 320 x 240 graphic display.



- ♦ Analog gauges with digital display data for: Engine oil pressure, Engine water temperature, Fuel pressure, System DC voltage, Air inlet restriction, Exhaust temperature (prior to turbochargers) gauge, Fuel filter differential pressure gauge, Oil filter differential pressure gauge, Service meter (digital display only), Tachometer (digital display only), Instantaneous fuel consumption (digital display only), Total fuel consumed (digital display only).
- ♦ Engine start-stop (off, auto start, manual start, cool down timer)

PROTECTION SYSTEM

- ♦ Caterpillar ADEM A3 ECM monitoring system provides engine de-rating, or shutdown strategies to protect against adverse operating conditions.
- ♦ Selected parameters are customer programmable.
- ♦ Status available on engine mounted instrument panel and can be broadcast through the customer communications module.
- ♦ Protection system is initially set as follows: Safety shutoff protection, electrical: Oil pressure, Water temperature, Overspeed, Crankcase pressure, Aftercooler temperature. Includes air inlet shutoff, activated on overspeed or emergency stop. Alarms included are, electrical: ECM voltage, oil pressure, water temperature (low and high), overspeed, crankcase pressure, aftercooler temperature, low water level (sensor is provided ship loose) is an optional attachment and would be installed by others), air inlet restriction, exhaust stack temperature, filter differential pressure (oil and fuel). Derate, electrical: High water temperature, Crankcase pressure, Aftercooler temperature, Air inlet restriction, Altitude, Exhaust temperature.
- ♦ Emergency stop push button, located on instrument panel. Alarm switches (oil pressure and water temperature), for connection to customer supplied alarm panel.

COOLING SYSTEM

- ♦ Outlet controlled thermostat and housing.
- ♦ Jacket water pump gear driven, dual outlet.
- ♦ Aftercooler fresh water cooling pump (SCAC), gear driven centrifugal.
- ♦ SCAC pump circuit thermostat prevents the aftercooler coolant from falling below 30 deg C (85 F).
- ♦ Jacket water and aftercooler circuit keel coolers. Ships loose for installation by others. Companion flanges are not provided.
- ♦ Expansion Tanks:
 - Engine jacket water expansion tank.
 - Engine aftercooler expansion tank.
 - Stands for each tank.
 - Interconnect piping, fittings and couplings are not provided.
 - Tanks ship loose and are installed by others.

EXHAUST SYSTEM

- ♦ All exhaust components are shipped loose and are of Caterpillar standard construction.
- ♦ Maxim MT42 exhaust silencer, 304 stainless steel construction. Mounting hardware and companion flanges are not provided.
- ♦ Exhaust flexible fitting: 12" flange X 14" flange X 12" overall length.
- ♦ Exhaust adapter: 203 mm I.D. to 310 mm I.D. (8 in to 12 in), 8-10.5 mm dia. holes EQ SP, 250.95 mm bolt hole diameter 12-10.5 mm diameter holes EQ SP, 376 mm bolt hole diameter. 157.9 mm tall with compressed gasket.
- ♦ Exhaust manifolds are dry type.



- ✦ All associated engine exhaust piping from the engine turbo outlet through the exhaust silencer discharge is not included and the responsibility of others.
- ✦ All ship loose exhaust items are installed by others.

FLYWHEELS & FLYWHEEL HOUSINGS

- ✦ Flywheel, SAE No. 00.
- ✦ Flywheel housing, SAE No. 00.
- ✦ SAE standard rotation.
- ✦ Engine stub shaft. Installed on engine.

FUEL SYSTEM

- ✦ Fuel filter, secondary
- ✦ Fuel transfer pump.
- ✦ Flexible fuel lines – Ships loose for installation by others.
- ✦ Primary fuel filter with cleanable screen – shipped loose for installation by others.
- ✦ Fuel priming pump – manual hand pump.
- ✦ Electronically Controlled Unit Injectors.
- ✦ Interconnect piping to fuel system is not provided.

LUBE SYSTEM

- ✦ Crankcase breather CCV system as described in air inlet system.
- ✦ Engine oil cooler – Engine only.
- ✦ Engine oil filter.
- ✦ Engine ships dry – lube oil not provided.
- ✦ Standard oil pan.
- ✦ Oil pan drain valve.
- ✦ KENCO or Equal oil level regulator – Ships loose for installation by others and is further described in the "Notes and Clarifications" section.

MOUNTING SYSTEM

- ✦ Structural steel engine rails, floor type.
- ✦ Engine leveling subbase with jacking bolts.
- ✦ Finish paint the leveling base using manufacturer's standard system including, shot blast the base prior to painting, two-component prime coat urethane, two-component acrylic modified alkyd enamel with polyurethane enhancer.
- ✦ Color will be Caterpillar black.

POWER TAKE-OFFS

- ✦ Caterpillar stub shaft – keyed.
- ✦ Stub shaft will be installed on engine flywheel.

STARTING SYSTEM

- ✦ Air starting motor, RH, 620 to 1034 kPa (90 to 150 psi), LH control.
- ✦ Air silencer for air starter. Ships loose and installed by others.
- ✦ Air pressure regulator – ships loose – reduces air pressure to 150 psi. Installed by others.



- ♦ Alternator deleted per 7-10-17 addendum.
- ♦ 2 – Jacket water heaters, 240 volt, single phase.

TESTING, ONSITE START UP/TESTING, TRAINING, WARRANTY and GENERAL

- ♦ Caterpillar factory engine test report. This is Caterpillar's standard factory full load production test and test documentation prior to engine shipment from the factory. No other engine tests are provided prior to start up at job site. Unless otherwise noted, no other training, testing or site presence is provided.
- ♦ 4 Days (in succession) start up service and commissioning by Yancey technician. Engine must be completely installed, aligned, piped, wired, connected to driveline and ready to run prior to Yancey arrival. Start up service does not include fuel, engine coolant or engine lube oil. Start up to occur during normal business hours, Monday through Friday, 8:00am to 5:00pm.
- ♦ Yancey Technician for Startup & Commissioning pricing clarification: Startup and commissioning by a Yancey Power Systems technician for 4 consecutive days. Any time in excess or in addition to this time will be charged to Patterson Pump at Standard Yancey Power Systems field service rates. Any warranty issues with Yancey provided packaged components or Caterpillar components will be processed in accordance with the manufacturer's warranty statement. Engine must be installed, aligned, filled with fluids, completely wired for operation and ready to run prior to the Yancey technician arriving for startup and commissioning. Should a technician be required prior to engines being installed and "ready to run", the technician will be dispatched based on a change order or separate written purchase order from Patterson Pump. All technician time provide is during normal business hours, 8:00am to 5:00pm, Monday through Friday. Overtime is not provided and will result in additional charges. The diesel fuel, engine lubrication oil, engine coolant and filters consumed during the startup and commissioning is not included in the price. 4 weeks advance notice required for schedule. Unless otherwise noted, no other training, testing or site presence is provided.
- ♦ 8 Hours (in succession on same day) on-site training by Yancey Service Technician. Videography is not provided.
- ♦ Caterpillar engine warranty on Caterpillar engine only. Manufacturer's warranty shall apply on all other items.
- ♦ Storage preservation - Provides vapor corrosion inhibitor in all internal engine compartments and the cooling system. Protects engine and accessories from functional deterioration for a minimum of one year under inside storage conditions. The engines and all other Yancey provided items will be stored inside. Please note: This is storage prior to packaging and shipping to job site. Storage procedures should be followed at job site and is not included in this pricing.
- ♦ Price is FOB Factory, Freight Allowed but does not include off-loading.

GENERAL

- ♦ Spare Filters Provided: 3 – oil filters, 5 – fuel filters, 2 – primary air filter elements, 2 – secondary air filter elements and 2 – CCV system filter element.
- ♦ Engine painting is standard in Caterpillar's standard format. 2 containers of touch up paint.
- ♦ General outline drawings submitted for approval after order entry.
- ♦ Engine vibration damper and guard.
- ♦ Caterpillar standard torsional vibration analysis. Other vibration testing is not provided.
- ♦ Specialty tools are not required for routine maintenance procedures. Tools and specialty tools are not provided.
- ♦ Pre-Release approval meeting is required with specifying engineer prior to production release.
- ♦ Engine barring tool. Ratcheting device supplied by others – manual type.
- ♦ Engine Lifting eyes – designed for lifting engine only.



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♦ Delivery:

- Receipt of order and acceptance by Yancey Management – 1 to 2 weeks allowed for Patterson and Yancey to agree on final scope as documented.
- Development of custom drawings - 2 to 4 weeks for custom drawings.
- Customer approval – 1 to 2 weeks allowed for customer approval.
- Current engine, keel cooler and accessories delivery at the factory – 23 weeks.
- Packaging and assembly of engine - 3 to 4 weeks.
- Transportation to Patterson - 1 week.
- Delivery is 31 to 37 weeks.
- The estimated ready to ship date will be completed at that time and based on the current factory lead times and requires all participants to complete their tasks in a timely manner. Delivery will be verified at time of order entry.

- ♦ Price DOES NOT include the following: State and local sales tax, Installation of the equipment (including shipped loose accessories) and offloading of equipment.

**Net Each Per Engine \$WILL ADVISE FOB Factory, Freight Allowed to Kenner,
LA Please see notes and clarifications section for additional detail on price**

NOTES AND CLARAFICATIONS

1. The specification relies heavily on the contractor for all aspects related to the engine scope of supply and installation. Unless otherwise noted, all items ship loose for contractor installation.
2. The engine will be provided as shipped by the Caterpillar factory. Unless specifically noted in this scope of supply, all of the connecting items(flanges, flex pipes, hoses, switches, piping, valves, exhaust piping & blanketing, wiring, support brackets, etc.) are not provided, not installed and the responsibility of others.
3. Unless specifically noted in this scope of supply, items on the project plans and drawings are not provided.
4. The engine ships dry to the job site. Lube and coolant is not provided, which includes the ship loose lube oil and coolant described in the specification.
5. Drawing Sheet # A-1 & A-3: The fuel day tank on this drawing is not provided.
6. Drawing Sheet # S-29: The exhaust silencer only on this drawing is provided. The flanged discharge elbow attached to the silencer discharge, the 1/4" X 3" stainless steel flat bar wrapped around the silencer, the flanged inlet elbow attached to the exhaust silencer and the support structure are all not provided.
7. Drawing Sheet # E6.2: All of the items on this page are not provided.
8. Drawing Sheet # E7.1: Figure # 2 is not provided.
9. Drawing Sheet # E8.2: Figures 1 through 5 are not provided.
10. Drawing Sheet # P3.0: The air regulator for the engine described, which is noted as supplied by the engine manufacturer, in the "Compressed Air Regulator Schedule" is provided. No other items referenced on this sheet are provided.
11. Drawing Sheets # P4.0 & P4.2 All of the interconnect plumbing described on this sheet is not provided.
12. Drawing Sheet # P5.0: The aftercooler and jacket water keel cooler are provided loose for installation by others. Loose companion flanges and mounting hardware for the keel coolers are not provided.
13. Drawing Sheet # P6.0: Figures 1 through 4 are not provided.



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14. Drawing Sheet # P6.1: Figures 1 through 6 are not provide. The KENCO KLC or equal oil regulator only in figure 3 is provided loose for installation by others. This includes the regulator only. The stand, hoses, fittings, hardware and fasteners are not provided.
15. Drawing Sheet # P6.2: In figure 1, the keel coolers and engine shown on this drawing is provided. All of the interconnect items shown leading too and attaching to the keel coolers and engine are not provided. All of the items shown in figures 2 and 3 are not provided.
16. Warranty: Caterpillar's standard engine warranty and standard manufacturer's warranties on non-Caterpillar items are provided. Additional warranties and/or service contracts are not provided.
17. The shafing in part 2, products, 2.1 diesel engine, paragraph D is not provided. The engine stub shaft is provided and described in the quotation.
18. The Murphy panel with throttle control in part 2, products, 2.1 diesel engine, paragraph H is not provided.
19. The engine jacket water and aftercooler thermostats are provided to satisfy the thermostatic valve references in part 2, products, 2.7 cooling system. No other thermostatic valves are provided.
20. The builder software and screen customization software described in part 2, products 2.10, paragraph G is not provided and not compatible with the Caterpillar control panel requested in the specification.
21. Engine alignment at the job site is not provided.
22. Addendum 1 & 2: A) Video of training session requested in addendum. Body of quote notes that no videography of training is provided. B) Engine expansion tanks were further clarified by addendum. Did not affect price.
23. Addendum # 3: Engine alternator deleted.

Thank you for the opportunity to quote this project.

Best Regards,

Joe Hofmann
Industrial Engine Sales
Yancey Power Systems
(770) 941-2424 Main
(770) 941-2411 Fax
(678) 945-2623 Direct
(770) 815-9058 Cell
joe_hofmann@yanceybros.com

Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Yancey Power Systems is not responsible for occurrences beyond our control. This quotation is made subject to Yancey Power Systems Standard Terms and Conditions.

Thank you for your request and for your consideration of this quotation.

ACCEPTANCE

BY YANCEY POWER SYSTEMS

DATE

DATE



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1. CONTRACT Buyer's acceptance of and agreement to execute subject to the terms and conditions of the following schedule of purchase of all applicable Sears and Roebuck and Company stores and divisions, including all related divisions and/or the portion thereof, all in the following space and on Buyer's form, "Purchase of Sears and Roebuck Company Stores," is hereby accepted, agreed, understood and agreed upon by and between Buyer and Seller. The terms and conditions of the purchase of the stores and divisions of Sears and Roebuck and Company shall be governed by the following space and on Buyer's form, "Purchase of Sears and Roebuck Company Stores," and all documents that address the same thereto. Terms and conditions of FPMR (52) revised November of the 1990s shall apply to the purchase of the following stores and divisions of the company to be sold.

[illegible][illegible][illegible]

9. **CHANGES.** Buyers own, with the exception of a small percentage of companies, in the changes in the specifications for equipment or materials up to the contract. In addition, the contract price and delivery date, which is typically adjusted. The transport delays, which do not prevent from a possible profit-plus cost, and expenses incurred in the work and the trade, which include some or all of such things as fuel, maintenance,

[illegible][illegible]

14. **BUYER ACCEPTANCE** Any equipment sold by a vendor shall be deemed to be fully accepted by the Buyer only if the equipment is accepted in writing by the Buyer within the time specified in the contract.

16. DISCLAIMER OF DAMAGES AND LIMITATION OF LIABILITY. IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY TYPE OF SPECIAL, CONSEQUENTIAL, PUNITIVE OR OTHER DAMAGES, WITH THE EXCEPTION OF DAMAGES ARISING OUT OF OR FROM A BREACH OF CONTRACT, WHICH COULD BE RECOVERED BY A PLAINTIFF UNDER THE PROVISIONS OF STATE OR FEDERAL LAW. IN ADDITION, COMPANY'S GROSS NEGLIGENCE SHALL NOT BE SUBJECT TO LIMITATION OF REMEDY OR OTHER DEFENSE.

¹ Compare, for instance, the fact that the *chianti* region produces a profitable, world-renowned wine, and that the *chianti* wine is produced in the *chianti* region, with the fact that the *chianti* region produces a profitable, world-renowned wine, and that the *chianti* wine is produced in the *chianti* region. The latter is a tautology, while the former is not. In a similar fashion, the fact that the *chianti* region produces a profitable, world-renowned wine, and that the *chianti* wine is produced in the *chianti* region, is a tautology, while the fact that the *chianti* region produces a profitable, world-renowned wine, and that the *chianti* wine is produced in the *chianti* region, is not a tautology. The latter is a tautology, while the former is not.

the first step, which will consist in the total state of the plant, including vegetation, soil, air, and ground water, is particularly important and must be taken as a preliminary measure. In the second step, the composition of the soil is determined, the content of the various components is determined, and the results are compared with the results of the first step.

20. **ENTIRE AGREEMENT AND AMENDMENT** The obligation contained in this agreement is the entire agreement between the parties and the parties agree to amend this agreement only by a written instrument signed by both parties.

1. Explain the importance of the following factors in the design of a system: (a) the user, (b) the system, (c) the environment, (d) the process, (e) the data, (f) the hardware, (g) the software, (h) the network, (i) the security, (j) the performance, (k) the cost, (l) the time, (m) the risk, (n) the quality, (o) the reliability, (p) the maintainability, (q) the flexibility, (r) the scalability, (s) the interoperability, (t) the portability, (u) the reusability, (v) the extensibility, (w) the modifiability, (x) the testability, (y) the verifiability, (z) the traceability, (aa) the accountability, (ab) the confidentiality, (ac) the integrity, (ad) the availability, (ae) the non-repudiation, (af) the authentication, (ag) the authorization, (ah) the access control, (ai) the audit, (aj) the logging, (ak) the monitoring, (al) the incident response, (am) the disaster recovery, (an) the business continuity, (ao) the risk management, (ap) the compliance, (aq) the legal, (ar) the ethical, (as) the 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FAIRBANKS NIJHUIS™

Scope

Authorized Municipal Representative
Fairbanks Nijhuis

July 13, 2017

To: Bidding contractors

Project: Parish Line PS
KP#: S170470

Fairbanks Nijhuis proposes to supply pump and related accessory equipment and services as follows:

A. Scope of Supply:

Section 15131 – Mixed Flow Vertical Pump

Quantity one (1) Fairbanks Nijhuis Pump – Model 68" 6310 Vertical Mixed Flow Pump designed for 350cfs @ 16.4' TDH.

- Cast 316SST propeller, A743 CF8M
- Dynamically balance propeller G2.5
- 316SST propeller housing
- Cast 316SST discharge bowl
- 17-4ph Pump shaft
- Packed stuffing box w/ braided packing
- SST shaft sleeves
- SST shaft enclosing tube
- Nitronic 50 Couplings
- 72" Fabricated steel flanged discharge elbow
- 72" flanged x84" plain end, discharge transition piece
- Style 38 Dresser type coupling
- 72" Fabricated steel flanged column sections
- Fabricated base and soleplate
- Fabricated steel pedestal for Right Angle Gear Reducer
- Fabricated steel type FS10 "Formed Suction Inlet"
- All welding per ASME Pressure Vessel Code Sec IX
- Certified factory prime coating per spec
- Startup and training services
- Job specific submittal data
- As built O&M's
- Critical speed calcs
- Pump model testing
- Pressure containing portions of pump will be Hydro tested
- All Testing per H.I. standards



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Section 15005 – Right Angle Reducers for Engine Driven Pumps

Quantity one (1) Right angle gear reducer

DESIGN FEATURES

Housing – Heavy walled, ribbed casting or fabrication, stress relieved and precision machined

Radial bearings – Precision-rolling element bearing-assemblies rated for 100,000 hrs. B-10 life.

Gears – Spiral bevel carburized and hard cut to AGMA Q12

Shafts – Forged, high strength alloy steel, dynamically balanced

Backstop - Pin and ramp type on output shaft

Input shaft extension cylindrical with single rectangular keyway

Solid output shaft configuration with retainer groove for customer supplied rigid coupling hub

Lubrication system, consisting of:

- Positive displacement type direct driven oil pump
- Auxiliary motor driven oil pump
- Water cooled heat exchanger, shell and Ni-Cu tube type
- Dual element oil filter:
- Sized for a pressure drop for a clean filter of no greater than 4 psi at normal operating temperature
- Bypass setting of 40 to 60 psi
- Oil-filled differential pressure gauge to indicate the pressure drop
- Particulate element Beta rating of B6>6
- Water absorbing element capable of maintaining the water content in the oil of no greater than 220 ppm

Instrumentation:

- Temperature sensors for high sump temperature as per specifications.
- Pressure sensor for low system temperature as per specifications.
- Oil sight gage
- Provisions only for accelerometers, two locations
- Pressure switch for aux pump control
- Pressure gages, one at each pump discharge, one at inlet to gearbox

Coating: Three coat system:

- Zinc rich epoxy primer
- Epoxy mid coat
- Polyurethane top coat
- Interior primed only

Comments:

- Rated Power: 1450 hp
- Rated Speed: 1200 / 283 (nominal) rpm
- Nominal Ratio: 4.235 to 1
- Rating Standard: AGMA 6013-I06
- Service Factor: 2.0 based on the maximum continuous rating of the engine
- Maximum continuous downthrust capability: 46,392 lbs.
- Momentary reverse thrust capability: 20,000 lbs.
- Oil Type: ISO VG 220
- Unit Weight: 7,280 lbs. (Approximate)
- Preliminary Shipping Dimensions: 78" long 59" wide 72" high

Onsite Technical Services

- This covers one visit by a Field Service Representative consisting of three 8-hour weekdays on-site to provide technical support startup. Price includes labor, travel time, and expenses.
- The Field Service Representative is to provide technical advice and assistance only.



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Operational Spares consisting of a Qty of (2) each of the following:

- Air Breather elements
- Oil filtration elements

Warranty:

- 5 years from the date of shipment

Section 15133 – Diesel Fueled Engine Pump Drive

Quantity one (1) Horizontal Diesel Engine, 1475HP, 1200rpm

Caterpillar 12-cylinder, direct-injected, turbocharged, aftercooled diesel oilfield engine; 4 cycle, 170 mm bore x 215 mm stroke (6.7 in bore x 7.5 in stroke) with separate-circuit after-cooler, and optimized for low emissions. Engine rotation is standard(counter-clockwise as viewed from flywheel end).

AIR INLET SYSTEM

- Aftercooler core, corrosion resistant Air cleaner, regular duty, with soot filter. Service indicators.

CONTROL SYSTEM

- Caterpillar ADEM A3 ECM, LH. Includes adjustable speed droop capability. Requires 24V DC 10-amp continuous, 20-amp intermittent, clean electrical power. Local Engine throttle control-mounted in engine instrument panel

COOLING SYSTEM

- Outlet controlled thermostat and housing. Jacket water pump gear driven. Aftercooler fresh water cooling pump (SCAC), gear driven centrifugal SCAC pump circuit contains a thermostat to keep the aftercooler coolant from falling below 30 deg C (85 F).
- Duraweld Model FR2418 Keel cooler for jacket water circuit- **shipped loose** for customer installation
- Duraweld Model FR3624-2 Keel cooler for aftercooler circuit- **shipped loose** for customer installation
- IEA 65 gallon galvanized expansion tank for jacket water circuit- **shipped loose** for customer installation
- IEA 50 gallon galvanized expansion tank for aftercooler circuit- **shipped loose** for customer installation
- **All piping between engine, expansion tank, and keel coolers to be fabricated by customer**

EXHAUST SYSTEM

- Exhaust outlet: 203 mm I.D. (8 in) mm (8 in) to 305 mm (12 in). 8-10.5 mm dia holes EQ SP, 250.95 mm bolt hole dia. Exhaust adapter: TECHNICAL: **Shipped loose**. Includes hardware to bolt to engine. 203 mm I.D. to 310 mm I.D. (8 in to 12 in); 8-10.5 mm dia. holes EQ SP, 250.95 mm bolt hole dia.; 12-10.5 mm dia. holes EQ SP, 376 mm bolt hole dia. Weldable flange: 328 I.D. mm (12 in); 12-13.8 mm dia. holes

Exhaust fitting

- TECHNICAL: **Shipped loose**. 205 mm I.D. (8 in), 8-14 mm dia. holes EQ SP, 250.8 mm bolt hole dia.
Exhaust manifolds, dry. 14 in critical grade stainless steel muffler, Stainless steel flex connection (Muffler, flex, exhaust fitting **shipped loose**, piping and installation by contractor)

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel, SAE No. 00 Flywheel housing, SAE No. 00 SAE standard rotation

FUEL SYSTEM

- Fuel filter, LH. Fuel transfer pump Fuel priming pump, LH Electronically-controlled unit injectors. Racor fuel / water separator

INSTRUMENTATION

- Premium Electronic Instrument Panel, LH Engine mounted Includes service meter- engine hours
- Lube oil pressure gauge
- Tachometer- engine speed System voltage



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- Fuel pressure gauge
- Jacket water temperature gauge
- Intake manifold temperature gauge
- Lube oil temperature gauge
- Turbocharger inlet temperature gauge (RH/LH)
- Air cleaner restriction gauge (RH/LH)
- Oil and fuel differential gauges Separate Circuit aftercooler temperature gauge
- Boost pressure gauge Start-stop switch
- Cool down logic and auto-crank cycle, E-stop
- Alarm horn
- SEMS module with diagnostic display Exhaust pyrometer with thermocouples
- Fuel rate and total fuel consumed
- Crankcase pressure
- Caterpillar Marine Power Display with (320x240) resolution LCD display
- Local Engine throttle control-mounted in engine instrument panel
- Second engine throttle control **shipped loose** for contractor to install in Murphy panel
- Junction box installed for contractor to connect engine mounted panel to pump station controls.

LUBE SYSTEM

- Crankcase breather Oil cooler Oil filter, LH. Standard shallow oil pan Oil pan drain valve, 2" NPT female connection
- Racor closed crankcase ventilation system installed Engine shipped dry – no oil included

MOUNTING SYSTEM

- Standard mounting rails only, floor type, 254 mm (10 in). (No skid supplied)

POWER TAKE-OFFS

- Flywheel stub shaft
- Driveshaft with Faulk or Atra-Flex resilient style couplings up to 8 ft. in length.
- (Contractor to confirm exact length needed)

PROTECTION SYSTEM

- ADEM A3 ECM monitoring system provides engine de-rating, or shutdown strategies to protect against adverse operating conditions. Selected parameters are customer-programmable. Status available on engine-mounted instrument panel and can be broadcast through the optional customer communications module or programmable relay control module(s).

STARTING / CHARGING SYSTEM

- Air starting motor, RH, 620 to 1034 kPa (90 to 150 psi), LH (manual "palm valve" added for engine starting in the event of a solenoid valve failure) , Air pressure regulator, Air silencer Dual jacket water heaters- 240V JVC-TECHNICAL: UL recognized. 120-240 volt, single phase, 6 kW total, LH and RH mounted. For use in 10 C (50 F) minimum air temperature with 134 m/min (440 fpm) max air flow. Fixed thermostat set for cut-in at 60 C (140 F).
- 24V battery set, cables, and fiberglass battery box- **shipped loose** for customer installation
- LaMarche 24V battery charger – **shipped loose** for customer installation

Standard Factory Engine Test

- Test will be performed in accordance with OP1852 and must be requested prior to factory build. Test takes about one hour. Test results reported are: Fuel setting, full load power, turbocharger boost, fuel rate at full load, lube oil pressure, rpm at rated speed & high idle.

Spare parts

- Two spare air filters, fuel filters, and oil filters
- Spare Engine ECM-programmed
- Cat ET diagnostic software, adapter, and cables (Cat ET program to be installed on customer furnished laptop)

ENGINE STARTUP, TESTING, and COMMISSIONING



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- Louisiana Cat will furnish a service technician for a time period of **up to 5 days** if required at the jobsite for testing, commissioning, and acceptance of the engine. The engine, controls, cooling system, exhaust system, and driveline must be fully installed, aligned, filled with fluids, and ready to run.
- Any additional commissioning time past 5 days will be charged to the contractor at Louisiana Cat Standard Louisiana Cat Field Service labor rates plus travel time and mileage.

B. Clarifications:

Section 15005

- 2.02B5 The gearbox will perform within AGMA limits during shop performance test.
- 2.03D6 Clarification: For the particulate filter, the beta rating will be per specifications and consistent with PG's performance requirements.
- 2.03D6 Clarification: For the breather element the beta rating will be per specifications and consistent with PG's performance requirements.

Section 15131

- 1.05.A – impeller bowl (discharge bowl) will be 316SST cast steel.

Section 15133

- Engine Alarms and Shutdowns not supported by the engine ECM:
- Low Fuel level alarm by others

C. Excluded Items:

- Unloading or storage
- Pressure gauges
- Field installation of pumps, sole plates, motors, couplings and guards.
- Field electrical interconnection
- Field alignment, field performance testing, field painting, field vibration testing or field sound level testing
- Electrical equipment unless noted above as included.
- Instrumentation and gauges, unless noted above as included
- Piping – suction, discharge, gauge, vent, seal and water systems unless noted above as included
- Valves, petcocks and other miscellaneous fittings and hardware
- Anchor bolts
- Standard tools or lubricants
- Travel and lodging expenses related to factory testing
- Any requirements not described in the referenced specification sections within this proposal.

D. Estimated Schedule:

Submittals

estimated 10 weeks

Shipment

estimated 34 weeks after approval and release for mfg

E. Price:

Total Lump Sum Lot Net for Fairbanks Nijhuis Pump: \$ _____



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Terms and Conditions:

Bid Price:	Pricing is FOB factory (freight included to jobsite). No taxes are included.
Payment Terms:	Terms and Conditions will be per Standard Terms and Conditions KC-585(06/2016), or as mutually agreed to.
Bid Validity:	This proposal is valid for an order for Ninety (90) days from the date above and based on all conditions herein.
Warranty:	Duration shall be 18 months after shipment, or 12 months after start-up. Terms of warranty shall be per KC-585. Pentair will not extend its warranty to cover systems designed and supplied outside this scope of supply.

No consideration has been given within this proposal or pricing herein to damages or delivery delay clauses of any kind. If you have any questions regarding this proposal, please feel free to contact the writer directly.

Thank you for the opportunity to present this proposal and we look forward to working with you on this project.

Best regards,

Pentair – Engineered Flow
Kansas City Operations

Encl: KC-585 Terms and Conditions

Terms & Conditions

1. **LEGAL EFFECT:** The following terms and conditions are a part of this Quotation, and will be a part of any order ("Order") resulting from this Quotation. Additional or different terms of Buyer's purchase order or other form of acceptance or any other form of Buyer are rejected in advance and shall not become a part of the Order. This Quotation is not an offer. All offers to purchase from Buyer or orders or contracts of sale resulting from this Quotation are subject to final acceptance in writing by an authorized representative at Seller's Kansas City plant.

Seller's rights and remedies under this Quotation and the Order are in addition to, not in substitution of, all other rights and remedies available to Seller under any applicable provision of law, regulation or court decision. Seller may suspend its performance of the Order if Buyer defaults in the performance of its duties under the Order or under any other agreement between the Buyer and Seller.

No employee, agent, dealer, or distributor of Seller has any authority to change or enlarge the terms of this Quotation or the Order. No change shall be valid unless it is in writing and signed by an authorized officer of Seller.

In the event that any provision of these terms and conditions is deemed to be invalid or unenforceable, the parties agree that such invalidity or unenforceability shall not invalidate or render unenforceable the remainder of these terms and conditions, and the remaining terms and conditions shall continue in full force and effect. The terms of any Order resulting from this Quotation shall be interpreted and enforced in accordance with the laws of Kansas.

2. **ASSIGNMENT:** Buyer may not assign or transfer any of its rights under this Quotation or the Order without Seller's written consent. However, Seller may freely assign or transfer its rights under this Quotation or the Order.

3. **CANCELLATION:** Buyer cannot cancel or alter the Order without the Seller's written consent. If Seller grants such consent, Buyer will reimburse Seller for all of Seller's losses and expenses caused by such cancellation or alteration, including without limitation all of Seller's additional costs caused by changes in design or specifications, or by product revisions, and all consequential damages incurred by Seller as a result of such cancellation or alteration. If Buyer cancels the Order, Buyer shall pay Seller (i) a minimum cancellation charge of 15 percent of the purchase price; and (ii) any damages and expenses described in this paragraph that exceed 15 percent of the purchase price.

4. PRICES:

A. At Seller's option, prices for items of equipment included in this Quotation, other than equipment covered by Paragraph 4.B, will be increased in accordance with Clause 1 below, unless the "price quotation" portion of this Quotation specifically refers to Clause 2.

Clause 1 – The price for each item of equipment will be escalated by the ratio of the published price for such item (after applicable discounts) in effect at the time of shipment, over the published price for such item (after applicable discounts) in effect at the date of this Quotation.

Clause 2 – The quoted price for each item of equipment will be subject to escalation in accordance with the price adjustment policy specified in Form KC586, which is hereby incorporated as part of this Quotation if this Clause is referred to in the "price quotation" portion of this Quotation.

B. Prices for items of equipment purchased by Seller from third parties which are not covered by Seller's published prices and which are separately identified in this Quotation (such as motors, engines, controls, etc.) will be increased by the ratio of Seller's purchase price at the time of shipment over Seller's purchase price at the time of this Quotation.

5. **TERMS OF PAYMENT:** Unless otherwise specified in this Quotation, the terms of payment shall be as follows:

a. On all Orders under \$100,000, net cash, thirty (30) days after shipment.

b. On all Orders over \$100,000, as follows:

15% on submittal of drawings

25% on release to manufacture

50% at time of shipment

10% 30 days after shipment

These terms apply to partial and complete shipments. Buyer agrees to make full payment under these terms without setoff. If any proceeding is initiated by or against Buyer under any bankruptcy or insolvency law, or if, in Seller's judgment, Buyer's financial condition at the time the equipment is ready for shipment does not warrant the extension of credit to Buyer, Seller may require full payment, in cash, prior to making shipment. If Seller does not receive full cash payment within fifteen (15) days after it notifies Buyer that such payment is required and that is ready for shipment, Seller may cancel the Order as to any unshipped item. In that event, Buyer will pay Seller the cancellation charges, damages and expenses, as described in Paragraph 3.

Seller may assess interest on all amounts past due at the highest lawful rate, or an annual rate of eighteen percent (18%), whichever rate is lower. Buyer will pay all costs and expenses, including reasonable attorney's fees, incurred by Seller in collecting any amounts due, including interest.

The date for shipment or completion of manufacture of the equipment may be changed only with Seller's written consent. If shipment is delayed at Buyer's request, Buyer will make any payments due under the Order as if the equipment has been shipped on the date when it was ready for shipment. If completion of manufacture is delayed at Buyer's request, Seller may require payment according to percentage of completion. Buyer shall have the risk of loss with respect to equipment held for Buyer, and Seller may charge Buyer for storage.

6. **TAXES:** Prices do not include any present and future sales, use, occupation, license, excise, and other taxes or fees with respect to the manufacture, sale or delivery of the equipment. If Seller pays any such taxes, the amount of such payment will be added to the purchase price. Buyer will pay all such taxes and fees unless the amounts of such taxes and fees are included in the purchase price at the proper rate, or Buyer furnishes a proper exemption certificate.

7. **ACTS OF GOD:** Seller shall in no event be liable for delays in delivery of the equipment or other failures to perform caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control.

8. **DELIVERY:** Except as otherwise specified in this Quotation, delivery will be F.O.B., Seller's point of shipment. Buyer will pay all transportation charges. Buyer will accept delivery within thirty (30) days after Seller notifies Buyer that the equipment is ready for shipment. If Buyer does not furnish exact shipping instructions, Seller will select, in its discretion, the means of shipment. Seller will not be liable for any loss resulting from such selection. The time of delivery is an estimate only, and Seller may change such time if it does not receive the information and approvals necessary to proceed with the manufacture of the equipment.

Buyer agrees to inspect all deliveries immediately. Any claim for shortages must be made in writing within ten (10) days after Buyer receives a shipment, and if not made, shall be deemed waived. Any other claim by Buyer, other than claims under the warranty stated in Paragraph 13, shall be made within thirty (30) days after buyer receives shipment, and if not made shall be deemed waived. Seller is not responsible for loss or damage in transit after having received an "In Good Order" receipt from the carrier. Buyer will make all claims for loss or damage in transit against the carrier.

Buyer is fully responsible for (including payment of the cost of) installation and start-up of all equipment sold under the Order.

9. **TITLE AND LIEN RIGHTS:** The equipment will remain personal property, regardless of how it is installed or affixed to any realty or structure. After delivery to Buyer, Seller will have all such rights, including security interests and liens, in the equipment as lawfully may be conferred upon Seller by contract under any applicable provision of law. Buyer agrees to cooperate fully with Seller in the filing of any financing statements or other documents necessary to perfect such interests and liens. If Buyer defaults in its obligations under the Order before the price (including any notes given therefore) of the equipment has been fully paid in cash, Seller may take any and all actions permitted by law to protect its interests including, where permissible, repossession of such equipment.

~~10. PATENT INFRINGEMENT:~~ Seller will defend Buyer and the user of the equipment against any claim that any equipment and parts of Seller's manufacture furnished under the Order infringe upon any published United States patent, and Seller will pay all damages and costs awarded by a court of competent jurisdiction with respect to such claim. The Buyer or user must promptly notify Seller of any such claim, and cooperate fully with Seller in the defense of such claim, or Seller will have no duty under this paragraph. Buyer will defend and indemnify Seller against patent infringement claims relating to equipment and parts that are not manufactured by Seller to the same extent as Seller agrees to defend and indemnify Buyer with respect to patent infringement claims relating to equipment and parts of Seller's manufacture.

11. **SALES FOR EXPORT:** In the case of sales for export, Buyer or Seller, whichever is the proper party under the applicable statute or regulation, will procure, and arrange for any necessary extensions of, all required export, import or other licenses or authorizations. If Buyer, as the proper party, fails to arrange for licenses or authorizations prior to or by the scheduled date of shipment, Seller may at its option treat any such failure as a cancellation of the Order and, upon notice from Seller, buyer will pay Seller the cancellation charges, damages and expenses, as described in Paragraph 3.

12. **INSURANCE:** Buyer shall bear all risk of and responsibility for damage or loss to the equipment after Seller delivers the equipment to the carrier at its point of shipment. Buyer agrees to provide and maintain adequate insurance for the equipment supplied under the Order to fully protect Seller's interest during the time between delivery and final payment. Loss or damage by fire or other causes during such period shall not relieve Buyer from its obligations under the Order.

13. **WARRANTY:** Seller warrants equipment (and its component parts) of its own manufacture against defects in materials and workmanship under normal use and service for one (1) year from the date of installation or start-up, or for eighteen (18) months after the date of shipment, whichever occurs first. Seller does not warrant accessories or components that are not manufactured by Seller however, to the extent possible, Seller agrees to assign to Buyer its rights under the original manufacturer's warranty, without recourse to Seller. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the serial number, the type of equipment and the date of purchase) within thirty (30) days of the discovery of such defect during the warranty period. No claim made more than 30 days after the expiration of the warranty period shall be valid.

Guarantees of performance and warranties are based on the use of original equipment manufactured (OEM) replacement parts. Fairbanks Morse Pump assumes no responsibility or liability if alterations, non-authorized design modifications and/or non-OEM replacement parts are incorporated.

If requested by Seller, any equipment (or its component parts) must be promptly returned to Seller prior to any attempted repair, or sent to an authorized service station designated by Seller, and Buyer shall prepay all shipping expenses. Seller shall not be liable for any loss or damage to goods in transit, nor will any warranty claim be valid unless the returned goods are received intact and undamaged as a result of shipment. Repaired or replaced materials returned to customer will be shipped F.O.B., Seller's factory. Seller will not give Buyer credit for parts or equipment returned to Seller, and will not accept delivery of any such parts or equipment, unless Buyer has obtained Seller's approval in writing.

The warranty extends to repaired or replaced parts of Seller's manufacture for ninety (90) days or for the remainder of the original warranty period applicable to the equipment or parts being repaired or replaced. This warranty applies to the repaired or replaced part and is not extended to the product or any other component of the product being repaired.

Repair parts of its own manufacture sold after the original warranty period are warranted for a period of one (1) year from shipment against defects in materials and workmanship under normal use and service. This warranty applies to the replacement part only and is not extended to the product or any other component of the product being repaired.

~~Seller may substitute new equipment or improve part(s) of any equipment judged defective without further liability. All repairs or services performed by Seller, which are not covered by this warranty, will be charged in accordance with Seller's standard prices then in effect.~~

THIS WARRANTY IS THE SOLE WARRANTY OF SELLER AND SELLER HEREBY EXPRESSLY DISCLAIMS AND BUYER WAIVES ALL OTHER WARRANTIES EXPRESSED, IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Seller's sole obligation under this warranty shall be, at its option, to repair or replace any equipment (or its component parts) which has a defect covered by this warranty, or to refund the purchase price of such equipment or part. Under the terms of this warranty, Seller shall not be liable for (a) consequential, collateral, special or liquidated losses or damages; (b) equipment conditions caused by normal wear and tear, abnormal conditions of use, accident, neglect, or misuse of said equipment; (c) the expense of, and loss or damage caused by, repairs or alterations made by anyone other than the Seller; (d) damage caused by abrasive materials, chemicals, scale deposits, corrosion, lightning, improper voltage, mishandling, or other similar conditions; (e) any loss, damage, or expense relating to or resulting from installation, removal or reinstallation of equipment; (f) any labor costs or charges incurred in repairing or replacing defective equipment or parts, including the cost of reinstalling parts that are repaired or replaced by Seller; (g) any expense of shipment of equipment or repaired or replacement parts; or (h) any other loss, damage or expense of any nature.

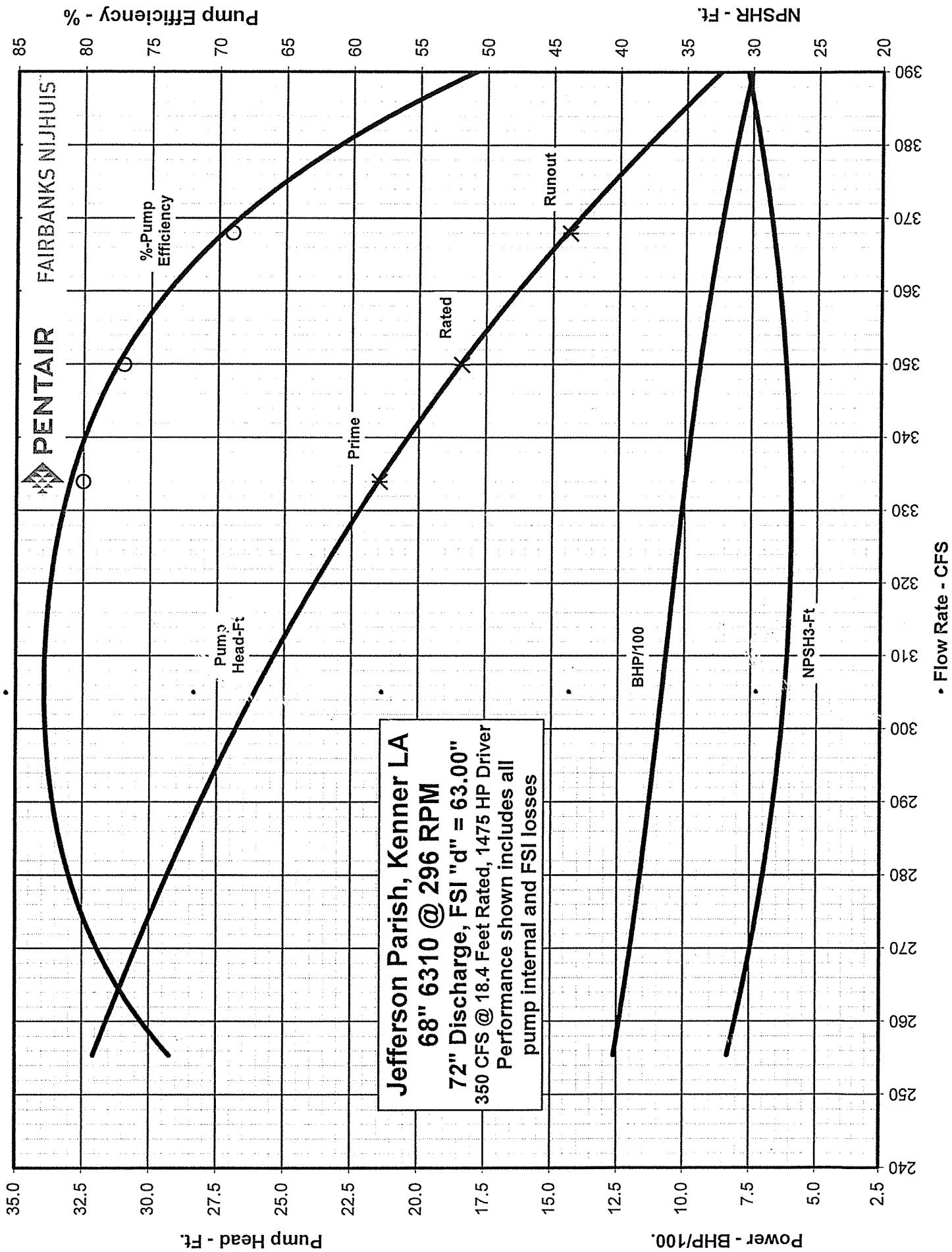
This Section 13 shall not apply to any equipment which may be separately covered by one of the following warranties: KC685 5-Year Prorated Warranty, KC885 15-Month Prorated Warranty, KC985 9-Month Warranty. All other provisions of KC585 shall remain effective.

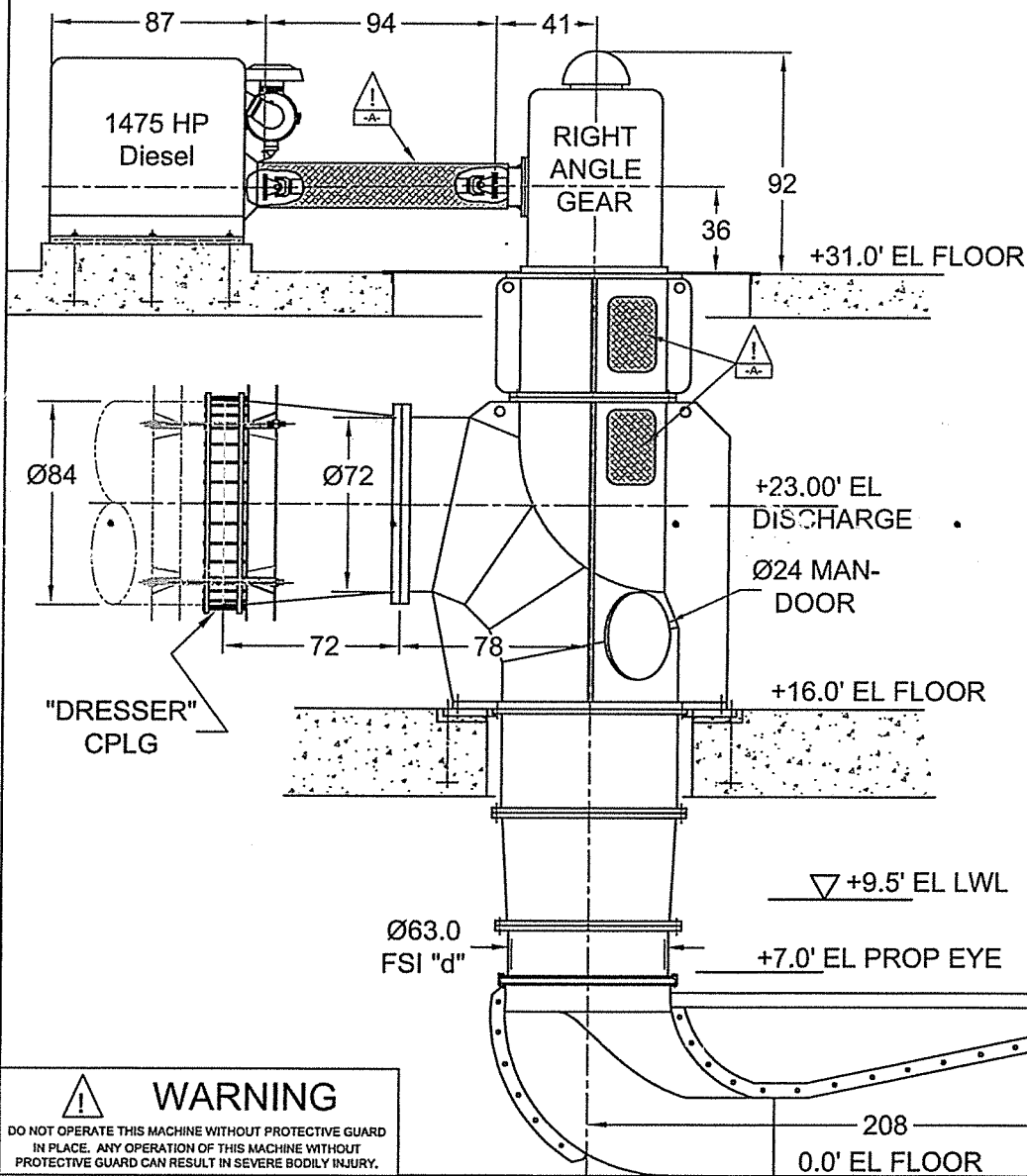
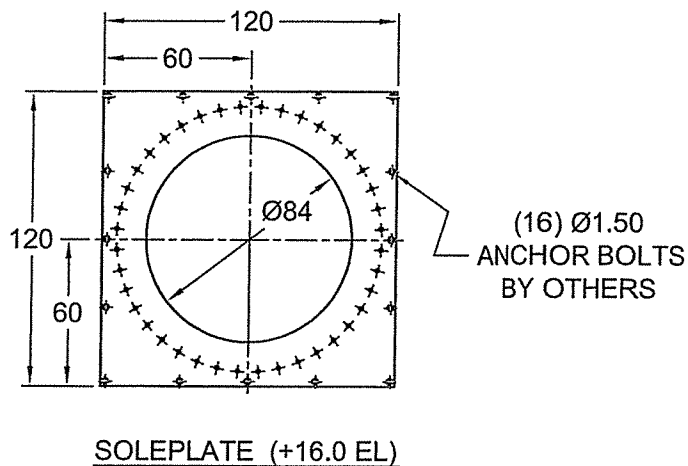
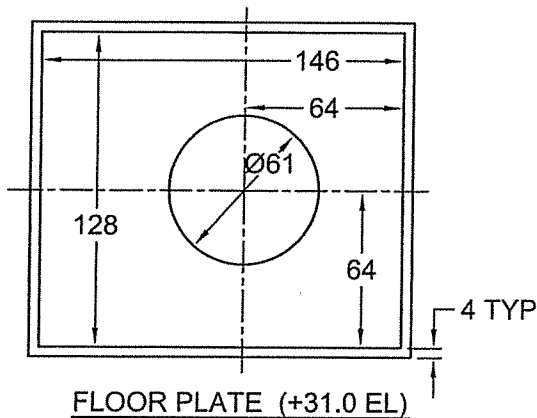
14. **CONDITION TO WARRANTY WORK:** If Buyer is in default (including, but not limited to, the failure of Buyer to maintain a current account with Seller) under the Order or any other agreement between Buyer and Seller, Buyer's rights under the warranty shall be suspended and the original warranty period will not be extended.

15. **PERFORMANCE:** Equipment performance is not warranted or guaranteed unless separately agreed to by Seller in accordance with its guarantee policy. Performance curves and other information submitted to Buyer are approximate and no warranty or guarantee shall be deemed to arise as a result of such submittal. All testing shall be done in accordance with Seller's standard policy.

16. **LIABILITY LIMITATIONS:** Under no circumstances shall the Seller have any liability under the Order or otherwise for liquidated damages or for collateral, consequential or special damages or for loss of profits, or for actual losses or for loss of production or progress of construction, regardless of the cause of such damages or losses. In any event, Seller's aggregate total liability under the Order or otherwise shall not exceed the contract price. Buyer agrees to indemnify and hold harmless Seller from all claims by third parties in excess of these limitations.

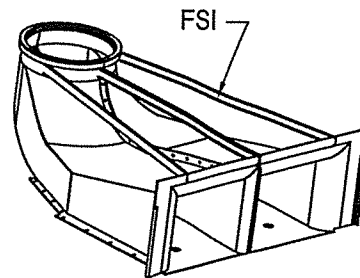
17. **COMPLIANCE WITH LAW:** Since the compliance with the various Federal, State and Local laws and regulations concerning occupational health and safety and pollution are affected by the use, installation and operation of the equipment and other matters over which Seller has no control, Seller assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty or otherwise.





Estimated Weights:

FSI (5/8" shell)	21,000 lbs.
Pump Assembly	78,000 lbs.
Soleplate Assy	2,700 lbs.
Gear Assembly	20,000 lbs.
Shaft-Horizontal	1,500 lbs.
Diesel	13,400 lbs.



WARNING

DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

PROPRIETARY INFORMATION
This material is confidential and contains proprietary information and other rights which are the sole and exclusive property of Pentair, Fairbanks Nijhuis. Possession of this material does not convey or transfer these rights. Any reproduction, use, copying or disclosure to others is forbidden without written authorization.

NOTE:

- 1- All dimensions are in inches, elevations in feet
- 2- Discharge pipe sized for automatic siphonic recovery
- 3- 84x72 Reducer, "Dresser" cplg, tie-rods, & anchor bolts by others
- 4- See quotation for extent of supply
- 5- Dimensions may vary due to manufacturing tolerances
- 6- #10 FSI, "d" = 63" supplied by FN
- 7- Preliminary - not for construction purposes



PENTAIR

FAIRBANKS NIJHUIS

Preliminary Setting Plan, 68" 6310
Jefferson Parish, Kenner LA

SIZE	SHT	DWG NO.	REVISION DATE	REV
A	1	SP-S80406	7/12/2017	A

Arnold R. Sdano-PE

Large Propeller Pumps

FACILITY	CITY	ST	MODEL	QTY	HP	RPM	SERVICE	FLOW/HEAD FT
Atomic Energy	Portsmouth	OH	48"6900	8	1500	585	Cooling Water	
Ocean Outfall	Santa Cruz	CA	54"6360	2	800	360	Effluent	59,000 @ 20'
New Orleans Sewer Station #7	New Orleans	LA	55" Props	3	200	225	Flood Control	75,000 @ 4'
Pumping Station	Des Moines	IA	60"6310	2	800	440	Flood Control	95000 @ 22'
Filtration Plant	Henderson Co	IL	60"6310	2	900	400	Flood Control	100000 @ 27'
Corps of Engineers	Chicago	IL	96"6360	4	1500	180	Lake Intake	
South Florida	White River	AR	104" Props	3	1750	177	Flood Control	224,000 @ 25'
Lake Chares	Jacksonville	FL	110" Props	3	300	82	Flood Control	195,000 @ 4.9'
MSD	LA	LA	116"	4	1000	225	Flood Control	112,000 @ 6'
Lake Harbor	East St. Louis	MO	120" Props	6	3000	200	Flood Control	462,300 @ 22.5'
South Bay #2	West Palm	FL	144" Props	3	700	71	Flood Control	468,000 @ 6.4'
South Bay #7	West Palm	FL	144" Props	5	900	76	Flood Control	404,100 @ 7.2'
South Bay #8	West Palm	FL	144" Props	5	700	68	Flood Control	373,100 @ 5.3'
Macomb County	West Palm	FL	152" Props	5	700	67	Flood Control	468,000 @ 4.5'
Charles River	Detroit	MN	72" Props	3	2750	220	Flood Control	200,000@38
NOSWB	Somerville	MA	144" Props	3	2700	105	Flood Control	627,000@14
Jefferson County	New Orleans	LA	144" props	1	2000	150	Flood Control	510,000@9.5
Huxtable Plant	Beaumont	TX	144" Props	4	2300	150	Flood Control	561,892@20
Dwyer Road Station	Northeast	AR	120" props	10	4000		Flood Control	540,000@24
I-610 Underpass	New Orleans	LA	68" props	3	1000	250	Flood Control	159,000@21
Bayou Trapanier	New Orleans	LA	60" props	3	1250	360	Flood Control	112,000@30
17th Street Canal	St Charles parish	LA	60" props	3	1000	440	Flood Control	95,000@17
Ollie Pump Station	New Orleans	LA	68" props	11	1500	296	Flood Control	180,000@15
GIWW	Plaquemine	LA	68" proips	2	800	285	Flood Control	130,000@12
	New Orleans	LA	144" props	11	5500	161	Flood Control	800,000@24

Terms & Conditions

1. **LEGAL EFFECT:** The following terms and conditions are a part of this Quotation, and will be a part of any order ("Order") resulting from this Quotation. Additional or different terms of Buyer's purchase order or other form of acceptance or any other form of Buyer are rejected in advance and shall not become a part of the Order. This Quotation is not an offer. All offers to purchase from Buyer or orders or contracts of sale resulting from this Quotation are subject to final acceptance in writing by an authorized representative at Seller's Kansas City plant.

Seller's rights and remedies under this Quotation and the Order are in addition to, not in substitution of, all other rights and remedies available to Seller under any applicable provision of law, regulation or court decision. Seller may suspend its performance of the Order if Buyer defaults in the performance of its duties under the Order or under any other agreement between the Buyer and Seller.

No employee, agent, dealer, or distributor of Seller has any authority to change or enlarge the terms of this Quotation or the Order. No change shall be valid unless it is in writing and signed by an authorized officer of Seller.

In the event that any provision of these terms and conditions is deemed to be invalid or unenforceable, the parties agree that such invalidity or unenforceability shall not invalidate or render unenforceable the remainder of these terms and conditions, and the remaining terms and conditions shall continue in full force and effect. The terms of any Order resulting from this Quotation shall be interpreted and enforced in accordance with the laws of Kansas.

2. **ASSIGNMENT:** Buyer may not assign or transfer any of its rights under this Quotation or the Order without Seller's written consent. However, Seller may freely assign or transfer its rights under this Quotation or the Order.

3. **CANCELLATION:** Buyer cannot cancel or alter the Order without the Seller's written consent. If Seller grants such consent, Buyer will reimburse Seller for all of Seller's losses and expenses caused by such cancellation or alteration, including without limitation all of Seller's additional costs caused by changes in design or specifications, or by product revisions, and all consequential damages incurred by Seller as a result of such cancellation or alteration. If Buyer cancels the Order, Buyer shall pay Seller (i) a minimum cancellation charge of 15 percent of the purchase price; and (ii) any damages and expenses described in this paragraph that exceed 15 percent of the purchase price.

4. **PRICES:**

A. At Seller's option, prices for items of equipment included in this Quotation, other than equipment covered by Paragraph 4.B, will be increased in accordance with Clause 1 below, unless the "price quotation" portion of this Quotation specifically refers to Clause 2.

Clause 1 – The price for each item of equipment will be escalated by the ratio of the published price for such item (after applicable discounts) in effect at the time of shipment, over the published price for such item (after applicable discounts) in effect at the date of this Quotation.

Clause 2 – The quoted price for each item of equipment will be subject to escalation in accordance with the price adjustment policy specified in Form KC586, which is hereby incorporated as part of this Quotation if this Clause is referred to in the "price quotation" portion of this Quotation.

B. Prices for items of equipment purchased by Seller from third parties which are not covered by Seller's published prices and which are separately identified in this Quotation (such as motors, engines, controls, etc.) will be increased by the ratio of Seller's purchase price at the time of shipment over Seller's purchase price at the time of this Quotation.

5. **TERMS OF PAYMENT:** Unless otherwise specified in this Quotation, the terms of payment shall be as follows:

a. On all Orders under \$100,000, net cash, thirty (30) days after shipment.

b. On all Orders over \$100,000, as follows:

15% on submittal of drawings

25% on release to manufacture

50% at time of shipment

10% 30 days after shipment

These terms apply to partial and complete shipments. Buyer agrees to make full payment under these terms without setoff. If any proceeding is initiated by or against Buyer under any bankruptcy or insolvency law, or if, in Seller's judgment, Buyer's financial condition at the time the equipment is ready for shipment does not warrant the extension of credit to Buyer, Seller may require full payment, in cash, prior to making shipment. If Seller does not receive full cash payment within fifteen (15) days after it notifies Buyer that such payment is required and that is ready for shipment, Seller may cancel the Order as to any unshipped item. In that event, Buyer will pay Seller the cancellation charges, damages and expenses, as described in Paragraph 3.

Seller may assess interest on all amounts past due at the highest lawful rate, or an annual rate of eighteen percent (18%), whichever rate is lower. Buyer will pay all costs and expenses, including reasonable attorney's fees, incurred by Seller in collecting any amounts due, including interest.

The date for shipment or completion of manufacture of the equipment may be changed only with Seller's written consent. If shipment is delayed at Buyer's request, Buyer will make any payments due under the Order as if the equipment has been shipped on the date when it was ready for shipment. If completion of manufacture is delayed at Buyer's request, Seller may require payment according to percentage of completion. Buyer shall have the risk of loss with respect to equipment held for Buyer, and Seller may charge Buyer for storage.

6. **TAXES:** Prices do not include any present and future sales, use, occupation, license, excise, and other taxes or fees with respect to the manufacture, sale or delivery of the equipment. If Seller pays any such taxes, the amount of such payment will be added to the purchase price. Buyer will pay all such taxes and fees unless the amounts of such taxes and fees are included in the purchase price at the proper rate, or Buyer furnishes a proper exemption certificate.

7. **ACTS OF GOD:** Seller shall in no event be liable for delays in delivery of the equipment or other failures to perform caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control.

8. **DELIVERY:** Except as otherwise specified in this Quotation, delivery will be F.O.B., Seller's point of shipment. Buyer will pay all transportation charges. Buyer will accept delivery within thirty (30) days after Seller notifies Buyer that the equipment is ready for shipment. If Buyer does not furnish exact shipping instructions, Seller will select, in its discretion, the means of shipment. Seller will not be liable for any loss resulting from such selection. The time of delivery is an estimate only, and Seller may change such time if it does not receive the information and approvals necessary to proceed with the manufacture of the equipment.

Buyer agrees to inspect all deliveries immediately. Any claim for shortages must be made in writing within ten (10) days after Buyer receives a shipment, and if not made, shall be deemed waived. Any other claim by Buyer, other than claims under the warranty stated in Paragraph 13, shall be made within thirty (30) days after buyer receives shipment, and if not made shall be deemed waived. Seller is not responsible for loss or damage in transit after having received an "In Good Order" receipt from the carrier. Buyer will make all claims for loss or damage in transit against the carrier.

Buyer is fully responsible for (including payment of the cost of) installation and start-up of all equipment sold under the Order.

9. **TITLE AND LIEN RIGHTS:** The equipment will remain personal property, regardless of how it is installed or affixed to any realty or structure. After delivery to Buyer, Seller will have all such rights, including security interests and liens, in the equipment as lawfully may be conferred upon Seller by contract under any applicable provision of law. Buyer agrees to cooperate fully with Seller in the filing of any financing statements or other documents necessary to perfect such interests and liens. If Buyer defaults in its obligations under the Order before the price (including any notes given therefore) of the equipment has been fully paid in cash, Seller may take any and all actions permitted by law to protect its interests including, where permissible, repossession of such equipment.

10. **PATENT INFRINGEMENT:** Seller will defend Buyer and the user of the equipment against any claim that any equipment and parts of Seller's manufacture furnished under the Order infringe upon any published United States patent, and Seller will pay all damages and costs awarded by a court of competent jurisdiction with respect to such claim. The Buyer or user must promptly notify Seller of any such claim, and cooperate fully with Seller in the defense of such claim, or Seller will have no duty under this paragraph. Buyer will defend and indemnify Seller against patent infringement claims relating to equipment and parts that are not manufactured by Seller to the same extent as Seller agrees to defend and indemnify Buyer with respect to patent infringement claims relating to equipment and parts of Seller's manufacture.

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Seller may substitute new equipment or improve part(s) of any equipment judged defective without further liability. All repairs or services performed by Seller, which are not covered by this warranty, will be charged in accordance with Seller's standard prices then in effect.

THIS WARRANTY IS THE SOLE WARRANTY OF SELLER AND SELLER HEREBY EXPRESSLY DISCLAIMS AND BUYER WAIVES ALL OTHER WARRANTIES EXPRESSED, IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Seller's sole obligation under this warranty shall be, at its option, to repair or replace any equipment (or its component parts) which has a defect covered by this warranty, or to refund the purchase price of such equipment or part. Under the terms of this warranty, Seller shall not be liable for (a) consequential, collateral, special or liquidated losses or damages; (b) equipment conditions caused by normal wear and tear, abnormal conditions of use, accident, neglect, or misuse of said equipment; (c) the expense of, and loss or damage caused by, repairs or alterations made by anyone other than the Seller; (d) damage caused by abrasive materials, chemicals, scale deposits, corrosion, lightning, improper voltage, mishandling, or other similar conditions; (e) any loss, damage, or expense relating to or resulting from installation, removal or reinstallation of equipment; (f) any labor costs or charges incurred in repairing or replacing defective equipment or parts, including the cost of reinstalling parts that are repaired or replaced by Seller; (g) any expense of shipment of equipment or repaired or replacement parts; or (h) any other loss, damage or expense of any nature.

This Section 13 shall not apply to any equipment which may be separately covered by one of the following warranties: KC685 5-Year Prorated Warranty, KC885 15-Month Prorated Warranty, KC985 9-Month Warranty. All other provisions of KC585 shall remain effective.

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17. **COMPLIANCE WITH LAW:** Since the compliance with the various Federal, State and Local laws and regulations concerning occupational health and safety and pollution are affected by the use, installation and operation of the equipment and other matters over which Seller has no control, Seller assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty or otherwise.

Louisiana



Louisiana Cat
Power Systems Division
6111 Port Road
New Iberia, LA 70560
337-374-1901 ph / 337-374-1914 fax

Quote Number: 30295894-6 rev 1
Quotation Expires: 9-5-2017

July 10, 2017

Re: Parish Line Pump Station

In response to your request and with reference to your specifications, Louisiana Cat is pleased to offer you the following quote:

ONE (1) CATERPILLAR MODEL 3512C EPA Tier II PETROLEUM INDUSTRIAL ENGINE RATED 1475HP @1200 RPM for STATIONARY/EMERGENCY APPLICATIONS

Standard Consist and Options

Includes one Caterpillar 12-cylinder, direct-injected, turbocharged, aftercooled diesel oilfield engine; 4 cycle, 170 mm bore x 215 mm stroke (6.7 in bore x 7.5 in stroke) with separate-circuit after-cooler, and optimized for low emissions. Engine rotation is standard(counter-clockwise as viewed from flywheel end).

AIR INLET SYSTEM

Aftercooler core, corrosion resistant
Air cleaner, regular duty, with soot filter.
Service indicators.

CONTROL SYSTEM

Caterpillar ADEM A3 ECM, LH.
Includes adjustable speed droop capability. Requires 24V DC 10-amp continuous, 20-amp intermittent, clean electrical power.
Local Engine throttle control-mounted in engine instrument panel

COOLING SYSTEM

Outlet controlled thermostat and housing.
Jacket water pump gear driven.
Aftercooler fresh water cooling pump (SCAC), gear driven centrifugal SCAC pump circuit contains a thermostat to keep the aftercooler coolant from falling below 30 deg C (85 F).

Duraweld Model FR2418 Keel cooler for jacket water circuit- **shipped loose** for customer installation
Duraweld Model FR3624-2 Keel cooler for aftercooler circuit- **shipped loose** for customer installation
IEA 65 gallon galvanized expansion tank for jacket water circuit- **shipped loose** for customer installation
IEA 50 gallon galvanized expansion tank for aftercooler circuit- **shipped loose** for customer installation
All piping between engine, expansion tank, and keel coolers to be fabricated by customer

EXHAUST SYSTEM

Exhaust outlet: 203 mm I.D. (8 in) mm (8 in) to 305 mm (12 in). 8-10.5 mm dia holes EQ SP, 250.95 mm bolt hole dia.

Exhaust adapter: TECHNICAL: **Shipped loose**. Includes hardware to bolt to engine. 203 mm I.D. to 310 mm I.D. (8 in to 12 in); 8-10.5 mm dia. holes EQ SP, 250.95 mm bolt hole dia.; 12-10.5 mm dia. holes EQ SP, 376 mm bolt hole dia. Weldable flange: 328 I.D. mm (12 in); 12-13.8 mm dia. holes

Exhaust fitting- TECHNICAL: **Shipped loose**. 205 mm I.D. (8 in), 8-14 mm dia. holes EQ SP, 250.8 mm bolt hole dia.

Exhaust manifolds, dry.

14 in critical grade stainless steel muffler

Stainless steel flex connection

(Muffler, flex, exhaust fitting **shipped loose**, piping and installation by contractor)

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel, SAE No. 00

Flywheel housing, SAE No. 00

SAE standard rotation

FUEL SYSTEM

Fuel filter, LH.

Fuel transfer pump

Fuel priming pump, LH

Electronically-controlled unit injectors.

Racor fuel / water separator

INSTRUMENTATION

Premium Electronic Instrument Panel, LH Engine mounted

Includes service meter- engine hours

Lube oil pressure gauge

Tachometer- engine speed

System voltage

Fuel pressure gauge

Jacket water temperature gauge

Intake manifold temperature gauge

Lube oil temperature gauge

Turbocharger inlet temperature gauge (RH/LH)

Air cleaner restriction gauge (RH/LH)

Oil and fuel differential gauges

Separate Circuit aftercooler temperature gauge

Boost pressure gauge

Start-stop switch

Cool down logic and auto-crank cycle,

E-stop

Alarm horn

SEMS module with diagnostic display

Exhaust pyrometer with thermocouples

Fuel rate and total fuel consumed

Crankcase pressure

Caterpillar Marine Power Display with (320x240) resolution LCD display

Local Engine throttle control-mounted in engine instrument panel

Second engine throttle control **shipped loose** for contractor to install in Murphy panel

Junction box installed for contractor to connect engine mounted panel to pump station controls.

LUBE SYSTEM

Crankcase breather
Oil cooler
Oil filter, LH.
Standard shallow oil pan
Oil pan drain valve, 2" NPT female connection
Racor closed crankcase ventilation system installed
Engine shipped dry – no oil included

MOUNTING SYSTEM

Standard mounting rails only, floor type, 254 mm (10 in). (No skid supplied)

POWER TAKE-OFFS

Flywheel stub shaft
Driveshaft with Faulk or Atra-Flex resilient style couplings up to 8 ft. in length.
(Contractor to confirm exact length needed)

PROTECTION SYSTEM

ADEM A3 ECM monitoring system provides engine de-rating, or shutdown strategies to protect against adverse operating conditions. Selected parameters are customer-programmable. Status available on engine-mounted instrument panel and can be broadcast through the optional customer communications module or programmable relay control module(s).

Initially set as follows:

Safety shutoff protection, electrical: Oil pressure, water temperature, overspeed, crankcase pressure, aftercooler temperature.

Includes air inlet shutoff, activated on overspeed or emergency stop.

Alarms, electrical:

ECM voltage, oil pressure, water temperature (low and high), overspeed, crankcase pressure, aftercooler temperature, low water level, air inlet restriction, exhaust stack temperature, filter differential pressure (oil and fuel).

Derate, electrical:

High water temperature, crankcase pressure, aftercooler temperature, air inlet restriction, altitude, exhaust temperature.

Emergency stop push button, located on instrument panel.

Alarm switches (oil pressure and water temperature)

STARTING / CHARGING SYSTEM

Air starting motor, RH, 620 to 1034 kPa (90 to 150 psi), LH (manual "palm valve" added for engine starting in the event of a solenoid valve failure), Air pressure regulator, Air silencer

Dual jacket water heaters- 240V JVC-TECHNICAL: UL recognized. 120-240 volt, single phase, 6 kW total, LH and RH mounted. For use in 10 C (50 F) minimum air temperature with 134 m/min (440 fpm) max air flow. Fixed thermostat set for cut-in at 60 C (140 F).

Charging alternator 24V 60 amp (removed per Addendum 2.1-J)

24V battery set, cables, and fiberglass battery box- **shipped loose** for customer installation

LaMarche 24V battery charger – **shipped loose** for customer installation

GENERAL

Paint, Caterpillar Yellow
Vibration damper and guard
Lifting eyes

Standard Factory Engine Test- Test will be performed in accordance with OP1852 and must be requested prior to factory build. Test takes about one hour. Test results reported are: Fuel setting, full load power, turbocharger boost, fuel rate at full load, lube oil pressure, rpm at rated speed & high idle.

Industrial Torsional Vibration analysis by Caterpillar

** A complete set of technical data (see below) must be submitted to Caterpillar before calculations are undertaken. The report will include a mathematical determination of the natural frequency, critical speeds, relative amplitudes of angular displacement, and approximate nodal locations of the complete elastic system (both engine and driven equipment).

NOTE: IF ALL TECHNICAL DATA REQUIRED IS NOT RECEIVED, ANALYSIS MAY BE DELAYED UNTIL THE MISSING INFORMATION IS PROVIDED.

TECHNICAL DATA REQUIRED:

1. The operating speed range.
2. Load demand curve on sets which have a load dependent variable rigidity coupling.
3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine.
4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, simultaneous front and rear horsepower (maximum engine load) is required.
5. Make, model, WR2 and torsional rigidity on all couplings used between the engine and driven equipment.
6. WR2 of each rotating mass. Weight of each reciprocating mass. (Needed for all pumps, compressors, gears, pinions and/or pulleys.)
7. Torsional rigidity and minimum shaft diameter or detailed dimensions of all shafting in the driven system whether separately mounted or installed in a housing.
8. The ratio of the speed reducer or increaser. The WR2 and rigidity that are submitted for a speed reducer or increaser should state whether or not they have been adjusted to engine speed.

Spare parts

Two spare air filters, fuel filters, and oil filters

Spare Engine ECM-programmed

Cat ET diagnostic software, adapter, and cables (Cat ET program to be installed on customer furnished laptop)

Exceptions and Clarifications:

Engine Alarms and Shutdowns not supported by the engine ECM:

Low Fuel level alarm

Net Price for ONE 3512C with these specifications..... \$

Prices do not include any applicable taxes

FOB-Jobsite – Parish Line Pump Station – Jefferson Parish, LA; not unloaded curbside

Delivery 26-27 weeks from receipt of purchase order

No installation is included in this price

ENGINE STARTUP, TESTING, and COMMISSIONING

Louisiana Cat will furnish a service technician for a time period of up to 5 days if required at the jobsite for testing, commissioning, and acceptance of the engine. The engine, controls, cooling system, exhaust system, and driveline must be fully installed, aligned, filled with fluids, and ready to run. Any additional commissioning time past 5 days will be charged to the contractor at Louisiana Cat Standard Louisiana Cat Field Service labor rates plus travel time and mileage.

Louisiana Cat will conduct an 8 hour onsite training course to cover operating and routine maintenance of the engine after the engine has been commissioned.

Financial Terms:

INVOICING SCHEDULE

Milestone Payments from acceptance of order:

Milestone payments will be required based on monetary value of this order and length of the project. The following is our milestone payment schedule.

	Percentage
1. Receipt of approved order Down Payment	15%
2. Submittal of approval drawings	15%
3. Receipt of Major Equipment	40%
4. Ready for Final Acceptance Test	25%
5. Submittal of Final Vendor Manual	5%

Change Orders

Change Orders as each may occur by the Company or its Representative, shall be in writing. Implementation of the Change Order shall not occur until Louisiana Cat has received written approval from the Company. Where approval by the Company is pending, it may be necessary for the Seller to suspend the production schedule. Upon the Seller receiving Companies approval, the production schedule shall resume. Each suspension of the Sellers production schedule may be equal to extending the shipping date.

Change orders as they occur, shall be invoiced at the nearest milestone payment.

Cancellation Charges from acceptance of order

Cancellation within 7 calendar days from Purchase Order will be accepted at no charge.

Cancellation between 8 and 30 days from Purchase Order will be charged at 50% of order total.

Cancellation outside of 30 days from Purchase Order will be charged at 100% of order total.

Purchaser disputed invoices or portions of invoices:

The Company shall notify the Seller immediately when an invoice or portion of an invoice is determined to be in dispute. Company and Seller shall determine and agree upon the corrective action or actions as necessary to resolve the dispute. The Company and Seller in reaching an agreement and corrective action begun, the Company shall make immediate payment of the invoice to the Seller

Where non-payment of the Sellers invoice continues, the Seller shall reserve the right to suspend the production schedule. Each suspension of the Sellers production schedule may be equal to extending the shipping date.

Invoice Terms: Net 30, pending prior credit approval

WARRANTY

Standard Caterpillar warranty applies for all new delivered products. Standard Cat warranty on Industrial Engines is one year from date of first service.

Additional Terms & Conditions:

The scope of supply for this quotation is limited to the equipment and services listed in this proposal. The customer is responsible for any and all installation of the above Equipment unless specifically modified by this proposal. All equipment needed to perform any loading or unloading of the Equipment supplied by Louisiana Cat is the responsibility of the customer unless specifically modified by this proposal. Unless specifically listed in our bill of material, equipment not indicated is to be supplied by others. Louisiana Cat reserves the right to correct any errors or omissions. Customer's signature on this quotation or the issuance of a purchase order or other acknowledgement by customer for the Equipment shall constitute acceptance of this quotation subject only to the terms and conditions set forth herein notwithstanding any terms and conditions contained in any such purchase order or other acknowledgment or communication from the customer which are different from or in addition to the terms and conditions of this quotation. This quotation is subject to any applicable manufacturer's general terms and conditions of sale. Changes to the terms of this quotation may only be made by the express written agreement of Louisiana Cat. Louisiana Cat shall not be responsible for any consequential, special, indirect or liquidated damages hereunder or for any manufacturer or other delays beyond Louisiana Cat's control. Louisiana Cat will not be responsible for any labor or material charges by others associated with the start-up and installation of this equipment unless previously agreed upon, in writing by Louisiana Cat. The prices stated herein are subject to any manufacturer increases if the order is not released for manufacture within 60 calendar days from order date or, if drawings for approval are required, the drawings are not returned and released for manufacture within 30 calendar days of mailing date. For any completed order, scheduled for shipment, that is held, delayed or rescheduled at the request of the Buyer, Seller may, at its sole option, ship to storage, invoice, and transfer title, all at the sole cost and risk of loss of the Buyer. Buyer may terminate or cancel an order by written notice and upon payment of appropriate charges based upon a percentage of the quoted sales price at the stage of completion: 10% hold for approval status and 100% released for manufacture status.

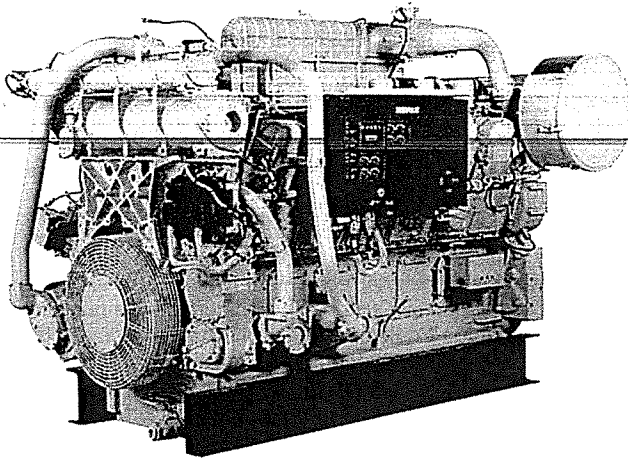
We at Louisiana Cat Power Systems appreciate the opportunity to quote on your project. We thank you, and are always at your disposal for any additional information or assistance you may require.

Don Emerson
Industrial Engine Sales Manager
Office: 337-374-1901
Cell: 337-288-5768
don.emerson@louisianacat.com



3512C (HD) Land Mechanical Engine

932-1100 bkW
(1250-1475 bhp)
1200 rpm



CAT® ENGINE SPECIFICATIONS

V-12, 4-Stroke-Cycle-Diesel

Emissions	2006 EPA/CARB Tier 2 Non-road Emissions Certified
Peak Torque at Speed	4376 lb-ft
Bore	170 mm (6.7 in)
Stroke	215 mm (8.5 in)
Displacement	58.6 L (3574 cu. in)
Aspiration	Turbocharged-Aftercooled
Governor and Protection	Electronic ADEM™ A3
Capacity for Liquids	
Lube Oil System (refill)	318 L (84 U.S. gal)
Cooling System (engine only) ..	157.1 L (41.5 U.S. gal)
Cooling System (radiator)	244.2 L (64.5 U.S. gal)
Oil Change Interval	500 hours
Rotation (from flywheel end)	Counterclockwise
Flywheel and Flywheel Housing	SAE No. 00
Flywheel Teeth	183

FEATURES

Engine Design

- Proven reliability and durability
- Robust diesel strength design prolongs life and lowers owning and operating costs
- Market-leading power density
- Designed to perform in oilfield conditions, including high ambient high altitude applications
- Long overhaul life proven in oilfield applications
- Core engine components designed for reconditioning and reuse at overhaul

Emissions

2006 EPA/CARB Tier 2 non-road emissions certified

Advanced Digital Engine Management

ADEM A3 has improved user interface, display system, shutdown controls, system diagnostics, and allows electronic integration with transmissions.

Safety

- E-Stop pushbutton on instrument panel
- Air shutoff and explosion relief valves
- Configurable alarm and shutdown features
- Extra alarm switches available for customer-supplied panel
- Instrument panel (LH analog and digital display of key package operation parameters)

Improved Serviceability

Large inspection openings allow convenient access to core engine internals

Reduction of Owning and Operating Costs

- Long filter change intervals, aligned with service intervals
- Excellent fuel economy – direct injection electronic unit injectors precisely meter fuel
- Torsional vibration analysis available from factory to maximize component life

Custom Packaging

For any petroleum application, trust Caterpillar to meet your project needs with custom factory generator sets and mechanical packages. Cat® engines, generators, controls, radiators, and transmissions can be custom-designed and matched in collaboration with our local dealers to create unique solutions. Custom packages are globally supported and are covered by a one-year warranty after startup.

Full Range of Attachments

Large variety of factory-installed engine attachments reduces packaging time

Testing

Every engine is full-load tested to ensure proper engine performance.

Product Support Offered Through

Global Cat Dealer Network

More than 2,200 dealer outlets

Cat factory-trained dealer technicians service every aspect of your petroleum engine

Caterpillar parts and labor warranty

Preventive maintenance agreements available for repair-before-failure options

S•O•SSM program matches your oil and coolant samples against Caterpillar set standards to determine:

- Internal engine component condition
- Presence of unwanted fluids
- Presence of combustion by-products
- Site-specific oil change interval

Over 80 Years of Engine Manufacturing Experience

Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable products.

- Cast engine blocks, heads, cylinder liners, and flywheel housings
- Machine critical components
- Assemble complete engine

Web Site

For all your petroleum power requirements, visit
www.catoilandgasinfo.com

**STANDARD EQUIPMENT****Air Inlet System**

Aftercooler core – corrosion resistant
Air cleaner – regular duty with soot filter
Service indicators

Control System

ADEM A3 ECU – LH
Includes adjustable speed droop capability
Pneumatic speed control, 10-100 psi

Cooling System

Radiator-cooled land-based
Outlet controlled thermostat and housing
Jacket water pump – gear-driven
Dual outlet
Aftercooler fresh water cooling pump (SCAC) –
gear-driven, centrifugal

Exhaust System

Exhaust flexible fitting, adapter, flange

Flywheels and Flywheel Housings

Flywheel – SAE No. 00 and housing

Fuel System

Fuel filter – LH, priming pump – LH
Fuel transfer pump
Flexible fuel lines
Electronically controlled unit injectors

Instrumentation

Electronic instrument panel – RH
Analog gauges with digital display data for: engine oil
pressure gauge, engine water temperature gauge, fuel
pressure gauge, system DC voltage gauge, air inlet

restriction gauge, exhaust temperature gauge, fuel filter
differential pressure gauge, oil filter differential pressure
gauge, service meter, tachometer, instantaneous fuel
consumption, total fuel consumed, engine start-stop
(off, auto start, manual start, cooldown timer)

Lube System

Crankcase breather
Oil cooler
Oil filter, LH
Oil pan drain valve, 2" NPT female connection

Mounting System

Rails – mounting, floor type, 254 mm (10 in)

Power Take-Offs

Accessory drive
Lower LH front (available for PTO usage)
Front housing – two-sided

Protection System

ADEM A3 ECU monitoring system provides engine
protection strategies to protect against adverse
operating conditions. Selected parameters are
customer programmable.

Starting System

Air starting motor – RH, 620 to 1034 kPa (90 to 150 psi),
LH control
Air silencer

General

Paint – Caterpillar yellow
Vibration damper and guard
Lifting eyes

OPTIONAL EQUIPMENT**Air Compressor****Air Inlet System**

Air cleaners
Remote air inlet adapters

Charging Systems

Battery chargers and charging alternators

Control System

Load sharing modules
Local speed throttle control
Governor conversion
Throttle position sensors

Cooling Systems

High gloss black folded core radiators and conventional
core radiators
Belt guard
Blower fan
Fan drive and fan pulley
Radiator cover
Water level switch gauge
Coolant level sensors
Air separator

Exhaust System

Flexible fitting
Elbows
Flange and exhaust expanders
Mufflers

Flywheel and Flywheel Housing**Fuel System**

Fuel priming pumps, flexible fuel lines
Fuel filter
Fuel cooler, fuel level switch

Instrumentation

Remote panel display, remote cylinder temperature
display
Gauges and instrument panels

Lube System

Fumes disposal
Oil filters
Prelube pumps, sump pumps

Mounting System**Power Take-Offs**

Flexible couplings, coupling hubs
Front accessory drives
Auxiliary drive shafts and pulleys
Front stub shaft and flywheel stub shaft
Pulleys

Protection System

Shutoffs
Switches and contactors
Explosion relief valves
Oil pressure monitor

Starting System

Starting motors – air, gas, electric
Air pressure regulators, controls and silencer
Air controls – manual, electric
Redundant start systems
Start switch
Starting aids (JW heater and ether injection)
Battery sets – 24 volts with rack

General

Special paint
Cat data link wire
Flywheel guard
Tool set



3512C (HD)

LAND MECHANICAL ENGINE

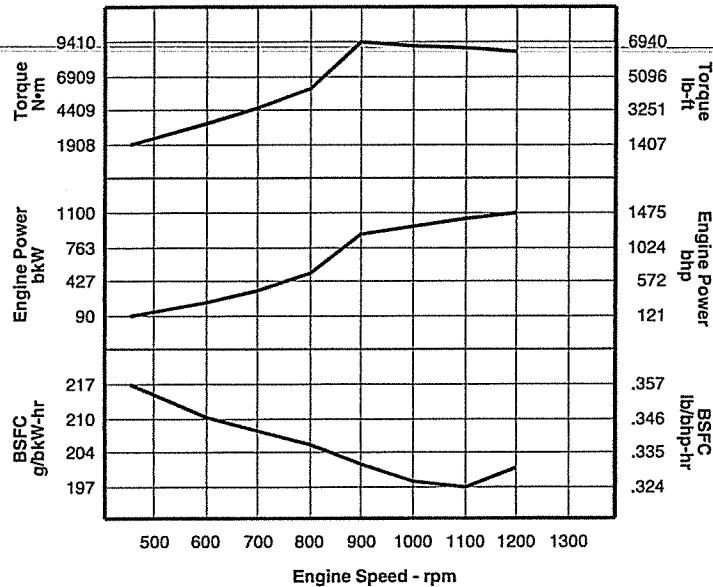
932-1100 bkW (1250-1475 bhp)

PERFORMANCE CURVES

Turbocharged-Aftercooled

P/D MECH Rating – 1100 bkW (1475 bhp) @ 1200 rpm

DM8277-02

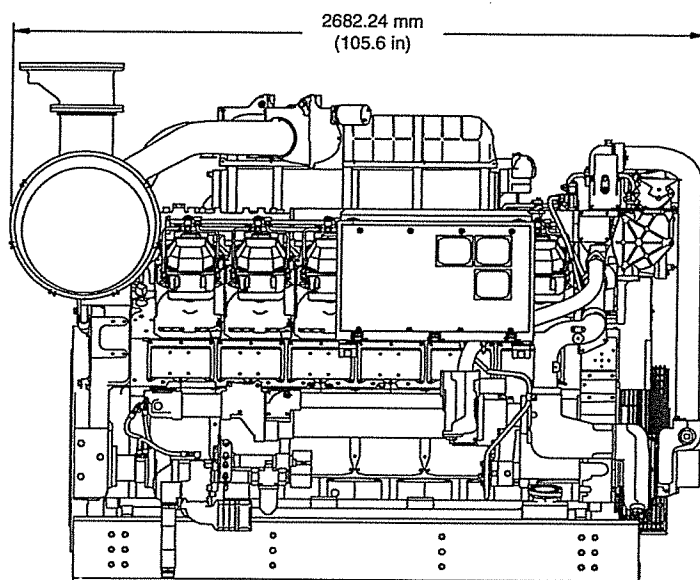
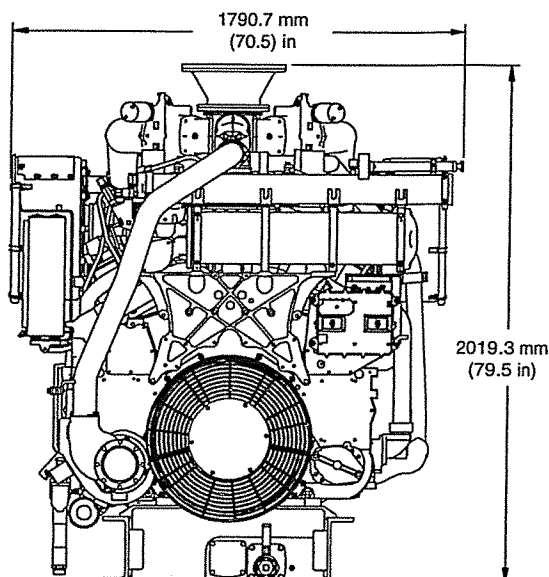


Heat Rejection Data										
Engine Speed rpm	Engine Power		Rej to JW		Rej to Atmos		Rej to Exh		From Aft Clr	
	bkW	bhp	kW	Btu/min	kW	Btu/min	kW	Btu/min	kW	Btu/min
1200	1100	1475	420	23,896	114	6510	891	50,685	296	16,826
1100	1034	1386	381	21,651	109	6205	822	46,746	249	14,157
1000	962	1291	347	19,716	112	6363	780	44,377	208	11,843
900	887	1189	349	19,854	125	7122	720	40,929	164	9339
800	505	677	242	13,758	129	7339	428	24,341	34	1948
700	338	454	183	10,383	107	6085	264	15,022	4	231
600	213	286	108	6135	82	4649	159	9027	–	–
450	90	121	28	1612	64	3655	69	3946	–	–

Approximate Power (bhp) as function of Altitude and Inlet Manifold Temperature for DM8277-02									
Inlet Manifold Temp. (°F)	Altitude (feet)								
	10,499	9843	8202	6562	4921	3281	1640	984	0
50	1171	1200	1250	1250	1250	1250	1250	1250	1250
68	1130	1160	1235	1250	1250	1250	1250	1250	1250
86	1093	1121	1195	1250	1250	1250	1250	1250	1250
104	1058	1086	1156	1231	1250	1250	1250	1250	1250
122	1026	1051	1121	1192	1250	1250	1250	1250	1250
Normal	1172	1196	1250	1250	1250	1250	1250	1250	1250

**3512C (HD)****LAND MECHANICAL ENGINE**

932-1100 kW (1250-1475 bhp)

LAND MECHANICAL ENGINE**Right Side View****Front View**

Engine Dimensions		
Length	2682.24 mm	105.6 in
Width	1790.7 mm	70.5 in
Height	2019.3 mm	79.5 in
Engine Weight (dry)	5423 kg	11,945 lb

Note: Do not use for installation design.
See general dimension drawings for detail.
(Drawing #281-9127)

RATING DEFINITIONS AND CONDITIONS

Prime Power – 6,000 hrs./year, for applications with load factors less than or equal to 60%. Rated load (100%) usage is limited to 1 hour in 12. 10% overload available.

Ratings are based on SAE J1995 standard conditions of 100 kPa (29.61 in Hg) and 25°C (77°F). These ratings also apply at ISO3046/1, DIN6271, and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27°C (81°F), and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50° C (122°F).

Fuel consumption has a tolerance of +5% and is based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18 390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven.

Information contained in this publication may be considered confidential. Discretion is recommended when distributing. Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, S•O•S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

PERFORMANCE DATA [512DP11]**FEBRUARY 25, 2016**For Help Desk Phone Numbers [Click here](#)

Perf No: DM8277

Change Level: 02

General	Heat Rejection	Emissions Regulatory	Altitude Derate	Cross Reference	General Notes	Supplementary Data	Perf Param Ref
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View PDF

SALES MODEL:	3512C	COMBUSTION:	DI
ENGINE POWER (BHP):	1,475	ENGINE SPEED (RPM):	1,200
PEAK TORQUE (FT-LB):	6,940.5	PEAK TORQUE SPEED (RPM):	900
COMPRESSION RATIO:	14.7	ASPIRATION:	TA
RATING LEVEL:	C-RATING	AFTERCOOLER TYPE:	SCAC
PUMP QUANTITY:	2	AFTERCOOLER CIRCUIT TYPE:	JW+OC, AC
FUEL TYPE:	DIESEL	AFTERCOOLER TEMP (F):	122
MANIFOLD TYPE:	DRY	JACKET WATER TEMP (F):	210.2
GOVERNOR TYPE:	ADEM3	TURBO CONFIGURATION:	PARALLEL
ELECTRONICS TYPE:	ADEM3	TURBO QUANTITY:	2
CAMSHAFT TYPE:	STANDARD	TURBOCHARGER MODEL:	GTA5518BN-56T-1.24
IGNITION TYPE:	CI	CERTIFICATION YEAR:	2006
INJECTOR TYPE:	EUI	CRANKCASE BLOWBY RATE (FT3/HR):	1,352.4
FUEL INJECTOR:	2693152	FUEL RATE (RATED RPM) NO LOAD (GAL/HR):	4.8
REF EXH STACK DIAMETER (IN):	10	PISTON SPD @ RATED ENG SPD (FT/MIN):	1,692.9
MAX OPERATING ALTITUDE (FT):	4,429		

INDUSTRY	SUB INDUSTRY	APPLICATION
OIL AND GAS	LAND PRODUCTION	OIL FIELD
OIL AND GAS	LAND DRILLING	OIL FIELD

General Performance Data Top

ENGINE SPEED	ENGINE POWER	ENGINE TORQUE	BRAKE MEAN EFF PRES (BMEP)	BRAKE SPEC FUEL CONSUMPTN (BSFC)	VOL FUEL CONSUMPTN (VFC)	INLET MFLD PRES	INLET MFLD TEMP	EXH MFLD TEMP	EXH MFLD PRES	ENGINE OUTLET TEMP
RPM	BHP	LB-FT	PSI	LB/BHP-HR	GAL/HR	IN-HG	DEG F	DEG F	IN-HG	DEG F
1,200	1,475	6,456	272	0.333	70.2	69.4	136.0	1,086.7	67.8	744.9
1,100	1,386	6,617	279	0.326	64.5	69.9	136.5	1,051.8	60.1	732.8
1,000	1,291	6,779	286	0.325	59.9	68.0	136.7	1,070.2	51.6	766.5
900	1,189	6,941	293	0.329	55.9	61.5	137.3	1,149.9	41.6	820.6
800	677	4,448	188	0.344	33.3	23.1	145.2	1,170.9	15.5	924.5
700	454	3,405	144	0.344	22.3	10.9	144.2	1,037.1	7.7	848.2
600	286	2,502	106	0.340	13.9	5.4	136.9	820.4	4.0	699.0
450	121	1,407	59	0.358	6.2	1.5	135.8	556.4	1.7	501.0

ENGINE SPEED	ENGINE POWER	COMPRESSOR OUTLET PRES	COMPRESSOR OUTLET TEMP	WET INLET AIR VOL FLOW RATE	ENGINE OUTLET WET EXH GAS VOL FLOW RATE	WET INLET AIR MASS FLOW RATE	WET EXH GAS MASS FLOW RATE	WET EXH VOL FLOW RATE (32 DEG F AND 29.98 IN HG)	DRY EXH VOL FLOW RATE (32 DEG F AND 29.98 IN HG)
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RPM	BHP	IN-HG	DEG F	CFM	CFM	LB/HR	LB/HR	FT3/MIN	FT3/MIN
1,200	1,475	69	429.1	3,259.9	7,591.7	14,233.8	14,725.1	3,098.8	2,830.7
1,100	1,386	70	398.0	3,112.7	7,088.5	13,429.6	13,881.3	2,922.7	2,690.0
1,000	1,291	68	379.1	2,803.3	6,589.4	12,135.6	12,555.2	2,642.3	2,434.5
900	1,189	62	363.8	2,351.7	5,826.9	10,240.8	10,631.8	2,237.7	2,048.4
800	677	23	237.5	1,189.4	3,238.3	5,231.5	5,464.4	1,150.3	1,042.4
700	454	11	160.6	821.7	2,046.0	3,498.1	3,654.1	769.2	697.3
600	286	6	118.8	622.6	1,364.1	2,652.8	2,750.1	578.8	528.9
450	121	2	101.5	414.7	745.4	1,769.5	1,812.6	381.5	355.6

Heat Rejection Data Top

ENGINE SPEED	ENGINE POWER	REJECTION TO JACKET WATER	REJECTION TO ATMOSPHERE	REJECTION TO EXH	EXHUAUST RECOVERY TO 350F	FROM OIL COOLER	FROM AFTERCOOLER	WORK ENERGY	LOW HEAT VALUE ENERGY	HIGH HEAT VALUE ENERGY
RPM	BHP	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN
1,200	1,475	23,896	6,510	50,685	24,344	8,026	16,826	62,556	150,697	160,530
1,100	1,386	21,651	6,205	46,746	22,207	7,378	14,157	58,774	138,527	147,566
1,000	1,291	19,716	6,363	44,377	21,924	6,851	11,843	54,736	128,621	137,013
900	1,189	19,854	7,122	40,929	21,134	6,384	9,339	50,437	119,867	127,689
800	677	13,758	7,339	24,341	13,439	3,805	1,948	28,730	71,436	76,097
700	454	10,383	6,085	15,022	7,753	2,548	231	19,244	47,841	50,963
600	286	6,135	4,649	9,027	4,014	1,587	-194	12,119	29,795	31,739
450	121	1,612	3,655	3,946	1,115	704	-245	5,113	13,219	14,082

Emissions Data Top

Units Filter All Units

RATED SPEED POTENTIAL SITE VARIATION: 1200 RPM

ENGINE POWER	BHP	1,475	1,106	738	369	148
PERCENT LOAD	%	100	75	50	25	10
TOTAL NOX (AS NO2)	G/HR	9,015	5,006	2,819	1,414	740
TOTAL CO	G/HR	2,015	1,528	1,247	888	742
TOTAL HC	G/HR	30	85	138	160	219
PART MATTER	G/HR	74.9	88.5	123.8	133.1	70.4
TOTAL NOX (AS NO2)	(CORR 5% O2) MG/NM3	2,818.1	2,083.9	1,656.7	1,478.6	1,440.4
TOTAL CO	(CORR 5% O2) MG/NM3	675.4	655.8	771.6	986.9	1,412.0
TOTAL HC	(CORR 5% O2) MG/NM3	8.7	32.3	73.9	157.7	343.6
PART MATTER	(CORR 5% O2) MG/NM3	21.0	32.4	66.1	126.8	136.6
TOTAL NOX (AS NO2)	(CORR 5% O2) PPM	1,373	1,015	807	720	702
TOTAL CO	(CORR 5% O2) PPM	540	525	617	790	1,130
TOTAL HC	(CORR 5% O2) PPM	16	60	138	294	641
TOTAL NOX (AS NO2)	G/HP-HR	6.16	4.56	3.85	3.87	5.06
TOTAL CO	G/HP-HR	1.38	1.39	1.71	2.43	5.07
TOTAL HC	G/HP-HR	0.02	0.08	0.19	0.44	1.50
PART MATTER	G/HP-HR	0.05	0.08	0.17	0.36	0.48
TOTAL NOX (AS NO2)	LB/HR	19.87	11.04	6.22	3.12	1.63
TOTAL CO	LB/HR	4.44	3.37	2.75	1.96	1.64
TOTAL HC	LB/HR	0.07	0.19	0.30	0.35	0.48
PART MATTER	LB/HR	0.17	0.20	0.27	0.29	0.16

RATED SPEED NOMINAL DATA: 1200 RPM

ENGINE POWER	BHP	1,475	1,106	738	369	148
PERCENT LOAD	%	100	75	50	25	10
TOTAL NOX (AS NO2)	G/HR	7,512	4,172	2,349	1,178	616
TOTAL CO	G/HR	1,119	849	693	493	412
TOTAL HC	G/HR	23	64	104	120	165

TOTAL CO2		KG/HR	694	530	369	204	107
PART MATTER		G/HR	53.5	63.2	88.4	95.1	50.3
TOTAL NOX (AS NO2)	(CORR 5% O2)	MG/NM3	2,348.4	1,736.6	1,380.6	1,232.2	1,200.3
TOTAL CO	(CORR 5% O2)	MG/NM3	375.2	364.4	428.7	548.3	784.5
TOTAL HC	(CORR 5% O2)	MG/NM3	6.6	24.3	55.6	118.6	258.3
PART MATTER	(CORR 5% O2)	MG/NM3	15.0	23.1	47.2	90.6	97.6
TOTAL NOX (AS NO2)	(CORR 5% O2)	PPM	1,144	846	672	600	585
TOTAL CO	(CORR 5% O2)	PPM	300	291	343	439	628
TOTAL HC	(CORR 5% O2)	PPM	12	45	104	221	482
TOTAL NOX (AS NO2)		G/HP-HR	5.13	3.80	3.21	3.22	4.21
TOTAL CO		G/HP-HR	0.76	0.77	0.95	1.35	2.82
TOTAL HC		G/HP-HR	0.02	0.06	0.14	0.33	1.13
PART MATTER		G/HP-HR	0.04	0.06	0.12	0.26	0.34
TOTAL NOX (AS NO2)		LB/HR	16.56	9.20	5.18	2.60	1.36
TOTAL CO		LB/HR	2.47	1.87	1.53	1.09	0.91
TOTAL HC		LB/HR	0.05	0.14	0.23	0.27	0.36
TOTAL CO2		LB/HR	1,530	1,168	814	449	237
PART MATTER		LB/HR	0.12	0.14	0.19	0.21	0.11
OXYGEN IN EXH		%	10.9	12.6	13.5	14.7	16.5
DRY SMOKE OPACITY		%	1.9	2.3	4.0	5.9	3.7
BOSCH SMOKE NUMBER			0.63	0.79	1.46	1.85	1.35

Regulatory Information [Top](#)

EPA TIER 2

2006 - 2010

GASEOUS EMISSIONS DATA MEASUREMENTS PROVIDED TO THE EPA ARE CONSISTENT WITH THOSE DESCRIBED IN EPA 40 CFR PART 89 SUBPART D AND ISO 8178 FOR MEASURING HC, CO, PM, AND NOX. THE "MAX LIMITS" SHOWN BELOW ARE WEIGHTED CYCLE AVERAGES AND ARE IN COMPLIANCE WITH THE NON-ROAD REGULATIONS.

Locality	Agency	Regulation	Tier/Stage	Max Limits - G/BKW - HR
U.S. (INCL CALIF)	EPA	NON-ROAD	TIER 2	CO: 3.5 NOx + HC: 6.4 PM: 0.20

Altitude Derate Data [Top](#)

ALTITUDE CORRECTED POWER CAPABILITY (BHP)

AMBIENT OPERATING TEMP (F)	50	60	70	80	90	100	110	120	130	NORMAL
ALTITUDE (FT)										
0	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475
1,000	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475
2,000	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,474	1,475
3,000	1,475	1,475	1,475	1,475	1,475	1,475	1,469	1,443	1,419	1,475
4,000	1,475	1,475	1,475	1,475	1,464	1,438	1,413	1,389	1,365	1,475
5,000	1,475	1,475	1,462	1,434	1,408	1,383	1,359	1,335	1,313	1,475
6,000	1,460	1,432	1,405	1,379	1,354	1,330	1,306	1,284	1,262	1,440
7,000	1,403	1,376	1,350	1,325	1,301	1,278	1,256	1,234	1,213	1,394
8,000	1,348	1,322	1,297	1,273	1,250	1,228	1,206	1,186	1,165	1,348
9,000	1,295	1,270	1,246	1,223	1,201	1,179	1,159	1,139	1,119	1,304
10,000	1,243	1,219	1,196	1,174	1,153	1,132	1,112	1,093	1,074	1,261
11,000	1,193	1,170	1,148	1,127	1,106	1,086	1,067	1,049	1,031	1,218
12,000	1,144	1,122	1,101	1,081	1,061	1,042	1,024	1,006	989	1,177
13,000	1,097	1,076	1,056	1,036	1,017	999	982	965	948	1,137
14,000	1,052	1,031	1,012	993	975	958	941	925	909	1,098
15,000	1,007	988	969	951	934	917	901	886	871	1,059

Cross Reference [Top](#)

Engine Arrangement			
Arrangement Number	Effective Serial Number	Engineering Model	Engineering Model Version
2644641	LLF00001	E885	-
3863026	PE400001	EE179	-
3863026	SRF00001	EE179	XJ

Test Specification Data			
Test Spec	Setting	Effective Serial Number	Engine Arrangement
0K7020	LL5743	LLF00001	2644641
4369368	LL6557	PE400001	3863026
4576949	GG1221	SRF00001	3863026

General Notes [Top](#)

DM8277 - 02

SOUND PRESSURE DATA FOR THIS RATING CAN BE FOUND IN PERFORMANCE NUMBER - DM8779

Supplementary Data [Top](#)

Type	Classification	Performance Number
SOUND	SOUND PRESSURE	<u>DM8779</u>

Performance Parameter Reference [Top](#)

Parameters Reference: DM9600 - 08

PERFORMANCE DEFINITIONS

PERFORMANCE DEFINITIONS DM9600

APPLICATION:

Engine performance tolerance values below are representative of a typical production engine tested in a calibrated dynamometer test cell at SAE J1995 standard reference conditions. Caterpillar maintains ISO9001:2000 certified quality management systems for engine test Facilities to assure accurate calibration of test equipment. Engine test data is corrected in accordance with SAE J1995. Additional reference material SAE J1228, J1349, ISO 8665, 3046-1:2002E, 3046-3:1989, 1585, 2534, 2288, and 9249 may apply in part or are similar to SAE J1995. Special engine rating request (SERR) test data shall be noted.

PERFORMANCE PARAMETER TOLERANCE FACTORS:

Power +/- 3%
 Torque +/- 3%
 Exhaust stack temperature +/- 8%
 Inlet airflow +/- 5%
 Intake manifold pressure-gage +/- 10%

Exhaust flow +/- 6%
Specific fuel consumption +/- 3%
Fuel rate +/- 5%
Specific DEF consumption +/- 3%
DEF rate +/- 5%
Heat rejection +/- 5%
Heat rejection exhaust only +/- 10%
Heat rejection CEM only +/- 10%

Heat Rejection values based on using treated water.

Torque is included for truck and industrial applications, do not use for Gen Set or steady state applications.

On C7 - C18 engines, at speeds of 1100 RPM and under these values are provided for reference only, and may not meet the tolerance listed.

These values do not apply to C280/3600. For these models, see the tolerances listed below.

C280/3600 HEAT REJECTION TOLERANCE FACTORS:

Heat rejection +/- 10%
Heat rejection to Atmosphere +/- 50%
Heat rejection to Lube Oil +/- 20%
Heat rejection to Aftercooler +/- 5%

TEST CELL TRANSDUCER TOLERANCE FACTORS:

Torque +/- 0.5%
Speed +/- 0.2%
Fuel flow +/- 1.0%
Temperature +/- 2.0 C degrees
Intake manifold pressure +/- 0.1 kPa

OBSERVED ENGINE PERFORMANCE IS CORRECTED TO SAE J1995 REFERENCE AIR AND FUEL CONDITIONS.

REFERENCE ATMOSPHERIC INLET AIR

FOR 3500 ENGINES AND SMALLER

SAE J1228 AUG2002 for marine engines, and J1995 JAN2014 for other engines, reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity at the stated aftercooler water temp, or inlet manifold temp.

FOR 3600 ENGINES

Engine rating obtained and presented in accordance with ISO 3046/1 and SAE J1995 JANJAN2014 reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity and 150M altitude at the stated aftercooler water temperature.

MEASUREMENT LOCATION FOR INLET AIR TEMPERATURE

Location for air temperature measurement air cleaner inlet at stabilized operating conditions.

REFERENCE EXHAUST STACK DIAMETER

The Reference Exhaust Stack Diameter published with this dataset is only used for the calculation of Smoke Opacity values displayed in this dataset. This value does not necessarily represent the actual stack diameter of the engine due to the variety of exhaust stack adapter options available. Consult the price list, engine order or general dimension drawings for the actual stack diameter size ordered or options available.

REFERENCE FUEL

DIESEL

Reference fuel is #2 distillate diesel with a 35API gravity; A lower heating value is 42,780 KJ/KG (18,390 BTU/LB) when used at 29 (84.2), where the density is 838.9 G/Liter (7.001 Lbs/Gal).

GAS

Reference natural gas fuel has a lower heating value of 33.74 KJ/L (905 BTU/CU Ft). Low BTU ratings are based on 18.64 KJ/L (500 BTU/CU FT) lower heating value gas. Propane ratings are based on 87.56 KJ/L (2350 BTU/CU Ft) lower heating value gas.

ENGINE POWER (NET) IS THE CORRECTED FLYWHEEL POWER (GROSS) LESS EXTERNAL AUXILIARY LOAD

Engine corrected gross output includes the power required to drive standard equipment; lube oil, scavenge lube oil, fuel transfer, common rail fuel, separate circuit aftercooler and jacket water pumps. Engine net power available for the external (flywheel) load is calculated by subtracting the sum of auxiliary loads from the corrected gross flywheel output power. Typical auxiliary loads are radiator cooling fans, hydraulic pumps, air compressors and battery charging alternators. For Tier 4 ratings additional Parasitic losses would also include Intake, and Exhaust Restrictions.

ALTITUDE CAPABILITY

Altitude capability is the maximum altitude above sea level at standard temperature and standard pressure at which the engine could develop full rated output power on the current performance data set.

Standard temperature values versus altitude could be seen on TM2001.

When viewing the altitude capability chart the ambient temperature is the inlet air temp at the compressor inlet.

Engines with ADEM MEUI and HEUI fuel systems operating at conditions above the defined altitude capability derate for atmospheric pressure and temperature conditions outside the values defined, see TM2001.

Mechanical governor controlled unit injector engines require a

setting change for operation at conditions above the altitude defined on the engine performance sheet. See your Caterpillar technical representative for non standard ratings.

REGULATIONS AND PRODUCT COMPLIANCE

TMI Emissions information is presented at 'nominal' and 'Potential Site Variation' values for standard ratings. No tolerances are applied to the emissions data. These values are subject to change at any time. The controlling federal and local emission requirements need to be verified by your Caterpillar technical representative.

Customer's may have special emission site requirements that need to be verified by the Caterpillar Product Group engineer.

EMISSIONS DEFINITIONS:

Emissions : DM1176

HEAT REJECTION DEFINITIONS:

Diesel Circuit Type and HHV Balance : DM9500

HIGH DISPLACEMENT (HD) DEFINITIONS:

3500: EM1500

RATING DEFINITIONS:

Agriculture : TM6008

Fire Pump : TM6009

Generator Set : TM6035

Generator (Gas) : TM6041

Industrial Diesel : TM6010

Industrial (Gas) : TM6040

Irrigation : TM5749

Locomotive : TM6037

Marine Auxiliary : TM6036

Marine Prop (Except 3600) : TM5747

Marine Prop (3600 only) : TM5748

MSHA : TM6042

Oil Field (Petroleum) : TM6011

Off-Highway Truck : TM6039

On-Highway Truck : TM6038

SOUND DEFINITIONS:

Sound Power : DM8702

Sound Pressure : TM7080

Date Released : 7/7/15

Systems Data

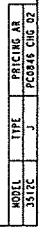


May 29, 2017
For Help Desk Phone
Numbers [Click Here](#)

Reference Number: DM8277

AIR INTAKE SYSTEM		
THE INSTALLED SYSTEM MUST COMPLY WITH THE SYSTEM LIMITS BELOW FOR ALL EMISSIONS CERTIFIED ENGINES TO ASSURE REGULATORY COMPLIANCE.		
MAXIMUM ALLOWABLE INTAKE RESTRICTION WITH CLEAN ELEMENT	15	IN-H2O
MAXIMUM ALLOWABLE INTAKE RESTRICTION WITH DIRTY ELEMENT	25	IN-H2O
COOLING SYSTEM		
ENGINE ONLY COOLANT CAPACITY	41.4	GAL
MAXIMUM ALLOWABLE JACKET WATER OUTLET TEMPERATURE	210	DEG F
MINIMUM ALLOWABLE AFTERCOOLER COOLANT FLOW	102.5	G/MIN
MAXIMUM AFTERCOOLER INLET TEMPERATURE WITH 50/50 GLYCOL MIX	122	DEG F
MAXIMUM ALLOWABLE AFTERCOOLER COOLANT FLOW	114.9	G/MIN
REGULATOR LOCATION FOR JW (HT) CIRCUIT	OUTLET	
MAXIMUM UNINTERRUPTED FILL RATE	5.0	G/MIN
ENGINE SPEC SYSTEM		
CYLINDER ARRANGEMENT	VEE	
NUMBER OF CYLINDERS	12	
CYLINDER BORE DIAMETER	6.7	IN
PISTON STROKE	8.5	IN
TOTAL CYLINDER DISPLACEMENT	3574	CU IN
STANDARD CRANKSHAFT ROTATION FROM FLYWHEEL END	CCW	
STANDARD CYLINDER FIRING ORDER	1-12-9-4-5-8-11-2-3-10-7-6	
NUMBER 1 CYLINDER LOCATION	RIGHT FRONT	
STROKES/COMBUSTION CYCLE	4	
EXHAUST SYSTEM		
THE INSTALLED SYSTEM MUST COMPLY WITH THE SYSTEM LIMITS BELOW FOR ALL EMISSIONS CERTIFIED ENGINES TO ASSURE REGULATORY COMPLIANCE.		
MAXIMUM ALLOWABLE SYSTEM BACK PRESSURE	27	IN-H2O
MANIFOLD TYPE	DRY	
MAXIMUM ALLOWABLE STATIC WEIGHT ON EXHAUST CONNECTION	72.8	LB
MAXIMUM ALLOWABLE STATIC BENDING MOMENT ON EXHAUST CONNECTION	35.4	LB-FT
FUEL SYSTEM		
MAXIMUM FUEL FLOW FROM TRANSFER PUMP TO ENGINE	332.9	G/HR
MAXIMUM ALLOWABLE FUEL SUPPLY LINE RESTRICTION	8.9	IN-HG
MAXIMUM ALLOWABLE FUEL TEMPERATURE AT TRANSFER PUMP	151	DEG F

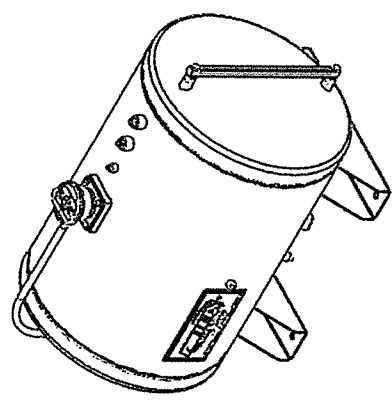
INLET		
MAXIMUM FUEL FLOW TO RETURN LINE FROM ENGINE	322.3	G/HR
MAXIMUM ALLOWABLE FUEL RETURN LINE RESTRICTION	8.0	IN-HG
NORMAL FUEL PRESSURE IN A CLEAN SYSTEM	60.2	PSI
FUEL SYSTEM TYPE	EUI	
MAXIMUM TRANSFER PUMP PRIMING LIFT WITHOUT PRIMING PUMP	12.1	FT
MAXIMUM HEAT REJECTION TO FUEL	540	BTU/MIN
LUBE SYSTEM		
CRANKCASE VENTILATION TYPE	TO ATM	
MOUNTING SYSTEM		
CENTER OF GRAVITY LOCATION - X DIMENSION - FROM REAR FACE OF BLOCK - (REFERENCE TM7077)	34.7	IN
CENTER OF GRAVITY LOCATION - Y DIMENSION - FROM CENTERLINE OF CRANKSHAFT - (REFERENCE TM7077)	8.5	IN
CENTER OF GRAVITY LOCATION - Z DIMENSION - FROM CENTERLINE OF CRANKSHAFT - (REFERENCE TM7077)	0.0	IN
STARTING SYSTEM		
MINIMUM CRANKING SPEED REQUIRED FOR START-RPM	120	



3512 HD STD. CF-LAND MECH ENG
DWG# 471854 CHG 00
• RIGHT SIDE VIEW
METRIC [INCH]
PC-000000 CHG 02 SHOWN
SCALE 1:1

[illegible]

A			B			C			D			E		
									SHEET SIZE - B			8405708		
									ITEM NO.			PART NUMBER		
									DESCRIPTION			QTY		
									1			7901014		
									PLUG PIPE SQ HD ST .250 NPT			3		
									2			7901016		
									PLUG PIPE SQ HD ST .50 NPT			2		
									3			7901018		
									PLUG PIPE SQ HD HEX CTSK 1.00 NPT			1		
									4			7901020		
									PLUG PIPE SQ HD ST 1.50 NPT			1		
									5			7904071		
									ADAPTER 1/2"NPTF X 1/2"-20 FEMALE			2		
									6			8401029		
									DECAL IEA PLASTICAL 5" x 10"			1		
									7			8401118		
									CAP FILLER 3" 14 PSI YELLOW ZINC			1		
									8			8401119		
									HOSE OVERFLOW 3/8"ID (9/16"OD) RUBBER			4		
									9			8401138		
									GAUGE SIGHT 17"			1		
									10			8405709		
									SRGTNK WELDMNT REMOTE 50 GAL			1		
									11			8411211		
									NECK FILLER GRP 3" 2.63L BOLT-ON 304SS			1		



NOTE:

1. TEST TANK AT 1 PSIG LESS THAN CAP PRESSURE
2. TANK TO BE LEAK FREE

TOLERANCES (DIMENSIONS ARE IN INCHES)
ANGULAR: ± 1 DEG.
ONE PLACE DECIMAL ± .2
TWO PLACE DECIMAL ± .13
THREE PLACE DECIMAL ± .031
BTWN CONNECTIONS ± .25
BTWN MOUNTINGS ± .25
TOLERANCES ARE NON-CUMULATIVE
AND DO NOT APPLY TO MATERIAL GAGES
OR COMMERCIAL FEATURES

PROPERTY OF IEA, INC.
CONFIDENTIAL PROPERTY INFORMATION

ISO 9001
REGISTERED

SCALED BY: [blank]

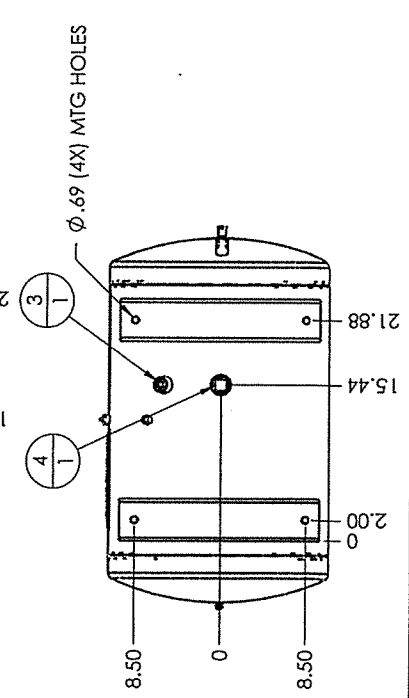
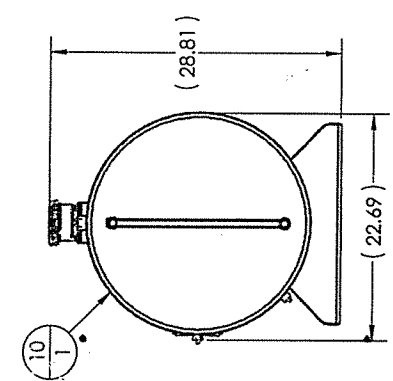
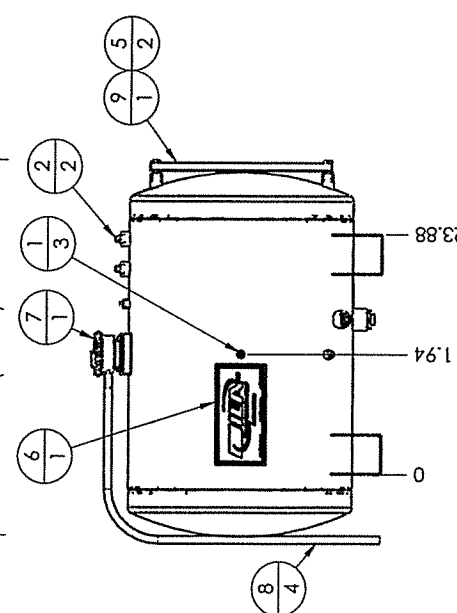
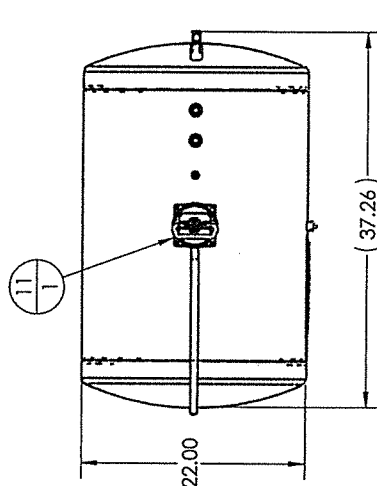
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DRAWN: KTH DATE: 09/19/13

IEA, DWG. NO.: 8405708

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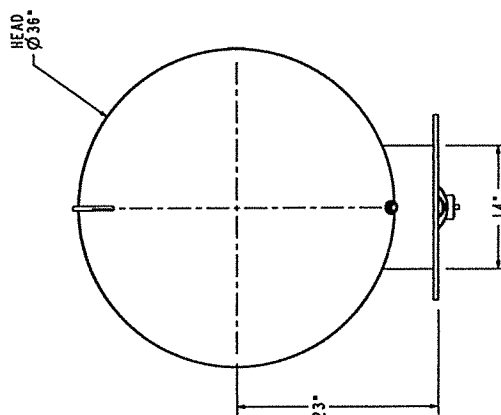
SHEET 1 OF 1



REV.	Change #	DATE

DESCRIPTION: SRGTNK ASSY REMOTE 50G 14PSI

E



1. MATERIAL CARBON STEEL.
2. SILENCER IS DESIGNED TO SUPPORT OWN WEIGHT ONLY.
3. STANDARD MAXI CONSTRUCTION TOLERANCE APPLY ($\pm 1/4"$).
4. ALL WELDED CONSTRUCTION.
5. DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.

DURAWELD® KEEL COOLER
 • MANUFACTURED BY
EAST PARK RADIATOR & BATTERY SHOP, INC.

Louisiana CAT

Attn: Don Emerson

The DURAWELD® KEEL COOLERS were sized based on the information supplied and summarized below.

A clean tube factor of 1.25 was used in the sizing of the coolers.
 The following information was determined, using 86° F seawater.

Equipment	Mfg.	Model	Rating	Heat Rej. (BTU/min)	Flow Rate	T _{IN} °F	Min. ΔT °F	T _{OUT} °F
Main Engine					GPM			
Jacket Water	CAT	3512C (Tier 2)	1475 HP @ 1200 RPM	23,896	290/449	190.0	11.7	178.3
Min. Hull Speed	0 Knots		DURAWELD® KEEL COOLERS	ΔP _{min}	ΔP _{max}			
		1 Per Engine	Model FR2418	2.1 psi	4.7 psi			
Aftercooler	CAT	3512C (Tier 2)	1475 HP @ 1200 RPM	16,826	100/128	145.8	23.8	122.0
Min. Hull Speed	0 Knots		DURAWELD® KEEL COOLERS	ΔP _{min}	ΔP _{max}			
		1 Per Engine	Model FR3624-2	1.5 psi	2.5 psi			

Note: DURAWELD® KEEL COOLERS are sized for use with 50% antifreeze.

DURAWELD® KEEL COOLERS sized for 0 Knots are based on ½ MPH convection current.

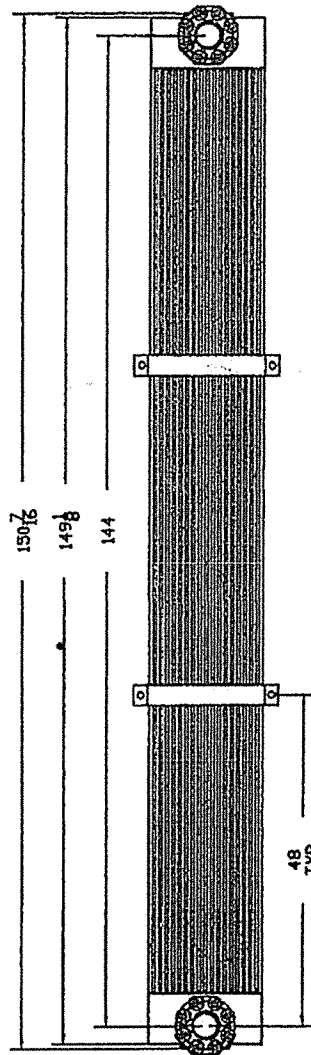
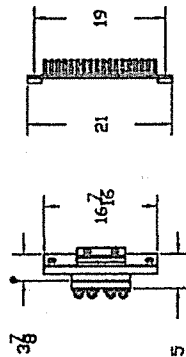
DURAWELD® KEEL COOLERS sized for 0 Knots are not to be recessed, unless the recess is inclined a minimum of 20° degrees.

Maximum allowable working pressure of DURAWELD® KEEL COOLERS is 30 psi.

Verify engine data prior to ordering.

Note: If different sizing options are needed, please do not hesitate to contact us.

ALL DIMENSIONS ARE IN INCHES
MORNING WILL RECESS DIMENSIONS FOR
TURNED KEEL CHANNELS
OVERALL LENGTH + 3 INCHES
OVERALL WIDTH + 3 INCHES
HULL RECESS DIMENSIONS ARE MORNING
RECESS DIMENSIONS AND DO NOT TAKE INTO
CONSIDERATION THE USE OF LARGE ANGLE
BLOCKS BEING IN THE RECESS.
SPECIFICATIONS ARE SUBJECT TO CHANGE
WITHOUT NOTICE



Non-standard 3" Flange -
Spaced as shown above

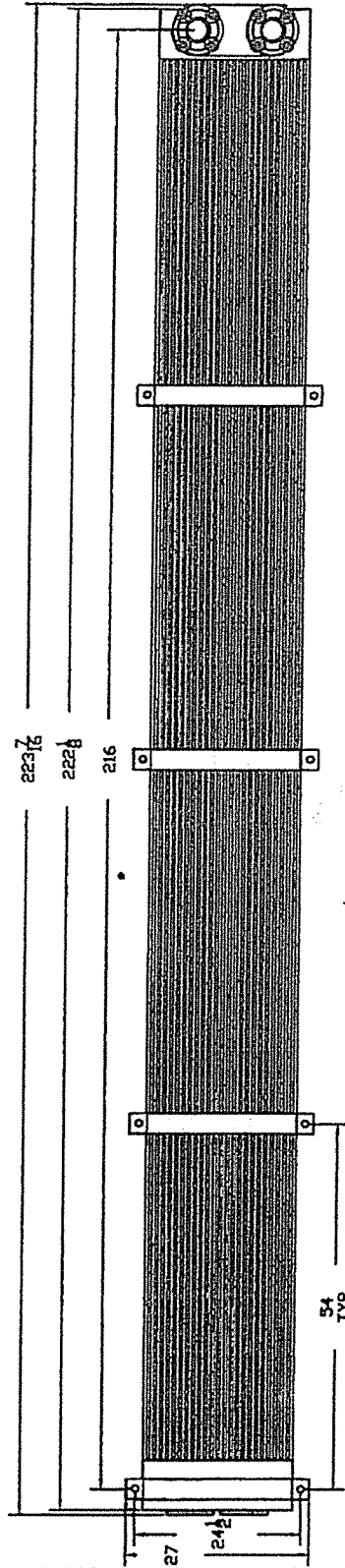
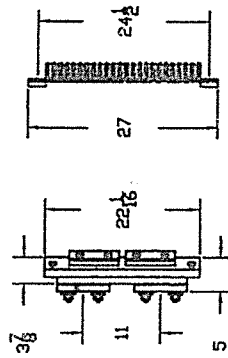
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ALL DIMENSIONS ARE IN INCHES

MINIMUM HULL RECESS DIMENSIONS FOR
TRAVELER USE: 10 INCHES
OVERALL LENGTH 7 INCHES
OVERALL WIDTH 3 INCHES

HULL RECESS DIMENSIONS ARE MINIMUM
RECESS DIMENSIONS AND DO NOT TAKE INTO
CONSIDERATION THE USE OF LARGE ANODE
BLOCKS BEING IN THE RECESS.

SPECIFICATIONS ARE SUBJECT TO CHANGE
WITHOUT NOTICE.



Non-standard 3' Flange,
Spaced as shown above

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La MARCHÉ
ISO 9001:2000 CERTIFIED

A40 / A40F

Engine Starting Battery Charger Without / With Filtering



Engine Starting Battery Charger

The La Marche model A40/A40F battery chargers are renowned throughout the industry as the Constavolt because of their reliability and their precise and constant output voltage to charge your batteries. The Constavolt is a completely automatic, solid state, constant voltage battery charger built to carry continuous and intermittent loads up to 80% of its maximum rated output capacity. It is ideal for applications where it is advantageous to have the charger permanently connected across the battery, keeping it charged at all times and to simultaneously carry continuous and/or intermittent current loads such as onboard peripheral equipment.

“Constavolt”

Standard Features

- Magnetic Amplifier Circuitry
- Automatic DC Voltage Regulation
- Automatic AC Input Voltage Compensation +/- 10%
- Automatic Surge Suppression
- AC input and DC output fusing protects battery and charger
- Analog DC Ammeter
- DC Current Limiting Circuitry
- Charger design prevents battery from discharging if AC line fails
- AC to DC Isolation
- Model A40F is filtered for Valve-Regulated batteries
- A40/A40F models are UL 1564 Listed & C-UL Listed
- 10-Year Limited Warranty

Environmental

- Operating Temperature: 0 to 50° C (32 to 122° F)
Storage Temperature: -40 to 85° C (-40 to 185° F)
Relative Humidity: 0 to 95% non-condensing

A40 / A40F Models

	Model Number All Models Available As A40F	DC Output			AC Input Current Draw* at 100% Load (Amps)			A40 Case No.	A40 Shipping Weight (Approximate)		A40F Case No.	A40F Shipping Weight (Approximate)	
		Amps	Volts	Fuse Size	A 120	D 208	B 240		lbs	kgs		lbs	kgs
12VDC 6L, 9 or 10NC	A40-10-12V	10	12V	20A	2.5	1.4	1.3	05	30	13.6	2	46	20.9
	A40-20-12V	20	12V	35A	5	2.9	2.5	2	54	24.5	7	66	30.0
	A40-30-12V	30	12V	50A	7.5	4.3	3.8	2	65	29.5	3	90	40.9
	A40-40-12V	40	12V	70A	10	5.8	5	2	74	33.6	4	133	60.5
	A40-60-12V	60	12V	100A	15	8.7	7.5	7	98	44.5	6	168	76.4
	A40-75-12V	75	12V	130A	19	11	9.4	3	123	55.9	6	187	85.0
	A40-100-12V	100	12V	150A	26	15	13	6	165	75.0	8A	260	118.2
24VDC 12L, 19 or 20NC	A40-10-24V	10	24V	20A	5	2.9	2.5	2	61	27.7	7	73	33.2
	A40-20-24V	20	24V	35A	10	5.8	5	2	72	32.7	7	84	38.2
	A40-30-24V	30	24V	50A	15	8.7	7.5	7	98	44.5	3	117	53.2
	A40-40-24V	40	24V	70A	21	12	10	7	105	47.7	3	136	61.8
	A40-60-24V	60	24V	100A	31	18	15	3	150	68.2	4	213	96.8
	A40-75-24V	75	24V	130A	38	22	19	3	210	95.5	6	274	124.5
	A40-100-24V	100	24V	150A	51	29	26	8A	300	136.4	8A	374	170.0
32VDC 16L	A40-10-32V	10	32V	20A	6.7	3.9	3.3	2	61	27.7	7	73	33.2
	A40-20-32V	20	32V	35A	14	7.7	6.7	2	72	32.7	3	90	40.9
	A40-30-32V	30	32V	50A	21	12	10	7	98	44.5	3	117	53.2
	A40-40-32V	40	32V	70A	27	16	14	3	140	63.6	4	187	85.0
	A40-60-32V	60	32V	100A	41	24	21	3	170	77.3	6	234	106.4
	A40-75-32V	75	32V	130A	51	29	26	8A	250	113.6	8A	291	132.3
130VDC 60L / 92NC	A40-10-130V	10	130V	20A	26	15	13	3	155	70.5	4	183	83.2
	A40-20-130V	20	130V	35A	51	29	26	6	175	79.5	6	181	82.3
	A40-30-130V	30	130V	50A	76	44	38	8A	330	150.0	8A	343	55.9

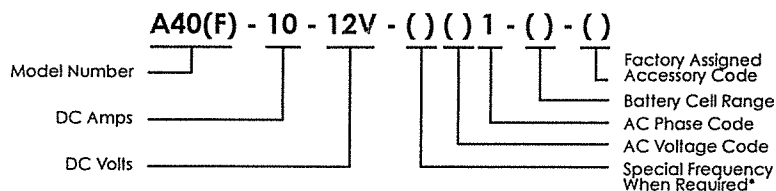
All above models designed for optimal performance at 60Hz. They will operate at 50Hz with reduced performance. Consult factory for units designed specifically at 50Hz. Please consult factory for other available cell ranges if desired range not shown. *AC Current Draws based @ 100% load and standard battery cells of 6L(12V),12L(24V),16L(32V),60L(130V). Maximum Current Draw is typically 140% of ratings shown.

Case Specifications

Case No.	Overall Dimensions						Cable Entry (when facing unit)		Mounting
	Width		Depth		Height		AC Input	DC output	
	in	mm	in	mm	in	mm			
05	8.000	203	7.000	178	13.000	330	BOTTOM RIGHT	BOTTOM RIGHT	WALL
1	10.375	264	7.875	200	16.250	413	RIGHT	LEFT	WALL
2	12.812	326	10.000	254	17.125	435	RIGHT	LEFT	WALL
3	15.375	391	11.000	279	23.750	603	RIGHT	LEFT	WALL/FLOOR
4	19.000	483	15.000	381	25.875	657	RIGHT/TOP/BOTTOM	LEFT/TOP/BOTTOM	WALL/FLOOR/RACK
6	25.580	650	13.935	354	28.000	711	RIGHT/TOP/BOTTOM	LEFT/TOP/BOTTOM	WALL/FLOOR
7	14.250	362	10.625	270	19.875	505	RIGHT	LEFT	WALL/FLOOR
8A	27.200	691	15.250	387	32.500	826	RIGHT	LEFT	FLOOR

Case sizes may differ depending on optional accessories. Please consult factory when dimensions are critical. Dimensions shown above are overall footprint. Detailed dimension drawings are available for mounting purposes.

Model Number Nomenclature



Model Number	AC Voltage Codes	Special Frequency Code	Battery Cell Type Code
A40 - Unfiltered	A - 120	5 - 50Hz	12V - 6L, 9N, 10N
A40F - Filtered	D - 208	* 60Hz standard unless special code is entered	24V - 12L, 19N, 20N
AC Phase Codes	B - 240		32V - 16L
1 - Single Phase			130V - 60L, 92N

Optional External Charge Dividers

Model Number	Number of Batteries	DC Range		Case No.	Shipping Weight (Approximate)	
		Amps	Volts		lbs	kgs
CD40-20/30-12/32-N2	2	10-30	12-32	05	10	4.5
CD40-20/30-12/32-N3	3	10-30	12-32	05	11	5.0
CD40-40/60-12/32-N2	2	40-60	12-32	1	14	6.4
CD40-40/60-12/32-N3	3	40-60	12-32	1	15	6.8
CD40-75/100-12/32-N2	2	75-100	12-32	2	23	10.4
CD40-75/100-12/32-N3	3	75-100	12-32	2	25	11.3

Note: All above models are configured for Negative Common. For Positive Common, part number changes as follows: CD40-20/30-12/32-P2.

Optional Internal Charge Dividers

- 100 To charge 2 batteries with a negative common
- 10U To charge 2 batteries with a positive common
- 101 To charge 3 batteries with a negative common
- 10V To charge 3 batteries with a positive common

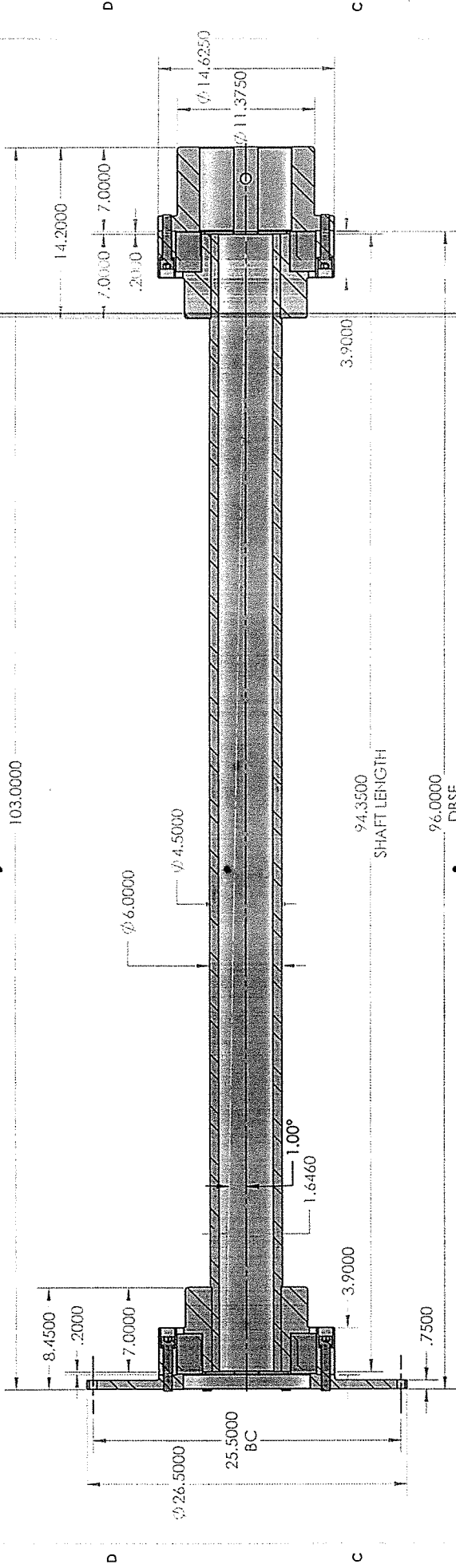
Note: Consult factory may increase case size.

Battery Charger Sizing Guidelines

- Required Battery Backup Time (Hours)
- DC Output Voltage
- Ampere Hour Capacity of Battery
- Allowable Recharge Time From Full Discharge (Hours), Where Applicable
- Continuous and Intermittent DC Loads (Amps) and Duration (Time)

Ordering Information When ordering, please specify:

- La Marche Model Number A40 or A40F
- DC Amps
- DC Volts
- Special Frequency, When Required
- AC Voltage Code
- AC Phase Code
- Battery Cell Type Code
- Optional Accessories (Option Code)



TORSIONAL DATA:
 INERTIA = 23,805.80 LBS IN²
 STIFFNESS = 3.959X10⁶ LB-IN/RAD

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	T8 FW SAE 21	ADAPTER FOR FLYWHEEL SAE 21 26.50 OD X .750	1
2	T8 FH FS 5.750	FLEX HUB FLOATING SHAFT END 5.750	2
3	T8 FS 030117P	FLOATING SHAFT 6.00 OD X 4.500 ID X 94.350 L	1
4	T8 DR	DRIVE RING	2
5	T8 INSERT YELLOW	INSERT YELLOW - STANDARD	2
6	T8 RH 7.625	RING HUB 7.625 (MAX BORE)	1
7	T8 BK	DRIVE RING BOLT KIT: 6) 3/4-16 X 3.750 SHCS+HCLW	2

ASSEMBLY DESCRIPTION:
 COMPLETE FLOATING
 SHAFT FW COUPLING
 WITH YELLOW INSERTS
 FOR A DBSE OF 96.0000

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 THE INFORMATION CONTAINED IN THIS
 DRAWING IS THE SOLE PROPERTY OF
 ATTRA-FLEX. IT IS TO BE USED ONLY FOR THE
 PART OR AS A WHOLE WITHOUT THE
 WRITTEN PERMISSION OF ATTRA-FLEX INC.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 FRACTIONS DECIMALS
 .0003 MAXIMUM

ALIGNMENT TOLERANCES (MAX)
 GAP E .200
 AXIAL +.250/-070
 PARALLEL .080 TIR
 ANGULAR 1.625 @ 1°
 FASTENER SIZE 3/4-16 X 4.00
 APPLICATION: 6,200 IN-LBS
 900 HP @ 1200 RPM

INTER TYPE YELLOW
 TORQUE RATING (LB-FT) 202,200 C
 WEIGHT (LBS) 269,600 P
 TEMPERATURE RANGE °F -60/250
 MATERIAL 1018 CS

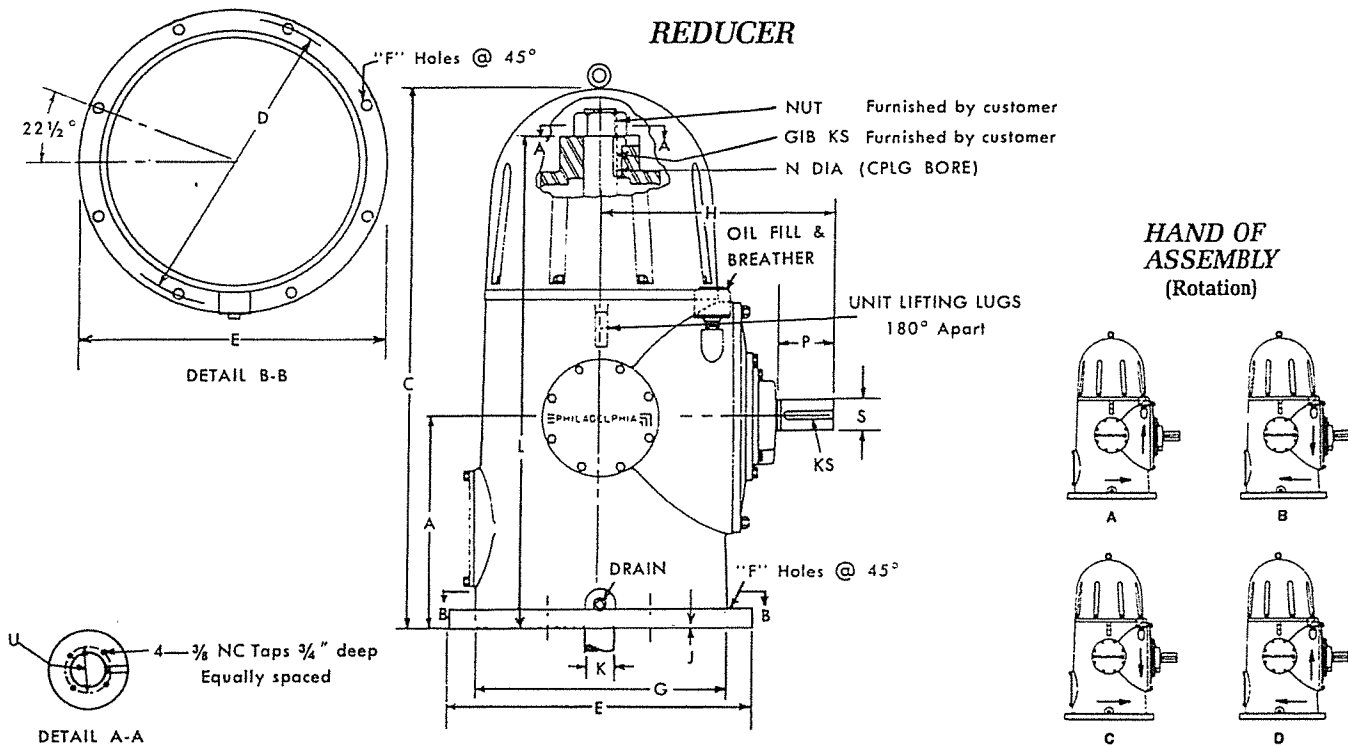
END USER: LYNNE LEBLANC
 CONTACT: LYNNE LEBLANC
 DISTRIBUTOR: BEARING SERVICE & SUPPLY
 DATE: 3/6/2017
 DRAWN BY: Peter Zapala
 EMAIL: peter@attra-flex.com

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SERIES DWG. NO. 030117P
 T8 REV
 SHEET 1 OF 1

Dimensions

REDUCER



UNIT SIZE	A	C	D	E	F	G	H	J	L	N	Gib K.S.	F	K.S.	U	Approx. Wgt. Lbs.
15FP	18	46	24 1/2	26 1/2	8-1 1/8	21 1/2	19 1/2	1/4	42	3	3/4 x 1/8	4 3/8	3/8 x 3/16	3	1450 *
18FP	20	51	27	29	8-1 1/8	24	22	1/4	46 3/8	3 1/4	3/4 x 3/8	5	3/4 x 3/8	3 3/4	2400
21FP	23	59	32	35	8-1 1/8	28	25	1/4	53 1/4	3 3/4	7/8 x 7/16	5 3/8	3/4 x 3/8	4	2900
24FP	27	66	35 1/2	38 1/2	8-1 1/8	31	27 1/2	1/4	60 3/8	4 1/4	1 x 1/2	5 3/4	7/8 x 7/16	5	4200
27FP	31	72	40 1/2	44	8-1 1/4	36	32	1/4	66 1/2	4 3/4	1 1/4 x 7/16	6 1/8	1 x 1/2	5 1/2	4600
32FP	31 1/2	78	45 1/2	49	8-1 1/4	41	38 1/2	1/4	72	5 1/4	1 1/4 x 7/16	7 1/2	1 x 1/2	6	5700
36FP	32 1/2	86 1/2	50 1/2	54 1/2	8-1 1/4	45 1/2	38	3/8	81	5 3/4	1 1/2 x 1/2	7 3/4	1 1/4 x 7/16	6 1/2	6400
40FP*	36	91 1/2	55	59	8-1 1/4	50	41	3/8	86	7 3/8	2 x 3/4	9 1/2	1 1/2 x 1/2	7	7500
44FP*	39	99	59	63	8-1 1/2	54	43 1/2	3/8	92 1/2	8	2 x 3/4	10 1/2	1 3/4 x 5/8	7 1/2	9000
48FP*	45	104 1/2	64	68 1/2	8-1 1/2	59	47	3/8	98 1/2	8 1/2	2 x 3/4	11	1 1/4 x 5/8	7 1/2	10,000
52FP*	48	113	68 1/2	73	8-1 1/2	63 1/2	50	1/2	106 1/2	9 1/8	2 1/2 x 7/8	12	2 x 3/4	8 1/2	12,000
56FP*	51	119 1/2	75	80	8-1 3/4	69	53	1/2	113	9 3/8	2 1/2 x 7/8	12 1/4	2 x 3/4	9	14,000
60FP*	55	128	80	85	8-1 3/4	73	56	1/2	121	10	2 1/2 x 7/8	13	2 x 3/4	9 1/2	16,000
64FP*	59	136 1/2	85	90	8-1 3/4	77 1/2	59	1/2	129 1/2	10 1/8	2 1/2 x 7/8	13 1/4	2 1/2 x 7/8	10	19,000
68FP*	63	146	91	97	8-2	83	62	1/2	138 1/2	10 3/8	2 1/2 x 7/8	13 3/4	2 1/2 x 7/8	10 1/2	22,000
72FP*	67	153 1/2	95 1/2	101 1/2	8-2	87 1/2	65 1/2	1/2	146	10 3/4	2 1/2 x 7/8	14	2 1/2 x 7/8	11	25,000

Shaft projection diameters + .000 — .001 inches tolerance.

Standard Rotations per Figures A & B

Not to be used for Construction unless Certified.

* Models 40 FP and larger: Dimensions shown are for reference only. Consult factory for exact dimensions.

UNIT SIZE	INPUT SHAFT S RATIO			PUMP SHAFT K
	<1.75	1.75 < 4.5	>4.50	
15	3.500	2.625	1.875	3.500
18	4.125	3.000	2.250	4.125
21	4.625	3.500	2.500	4.625
24	5.375	4.000	2.750	5.375
27	5.875	4.500	3.000	5.875
32	6.750	5.000	3.500	6.750
36	7.500	5.625	4.000	7.500
40	7.875	6.000	4.500	7.875

UNIT SIZE	INPUT SHAFT S RATIO			PUMP SHAFT K
	<1.75	1.75 < 4.6	>4.50	
44	8.375	6.750	5.000	8.375
48	9.000	7.000	5.250	9.000
52	9.500	7.500	5.500	9.500
56	10.125	7.875	5.750	10.125
60	10.625	8.250	6.000	10.625
64	11.125	8.750	6.250	11.125
68	11.625	9.000	6.500	11.625
72	12.250	9.500	7.000	12.250

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: **Digital Engineering & Imaging, Inc.** and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) One, Two and Three

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

Eleven million, six hundred seventy two thousand, one Dollars (\$ 11,672,142.50)
hundred forty two dollars and 50c

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: Boh Bros. Construction Co., L.L.C.

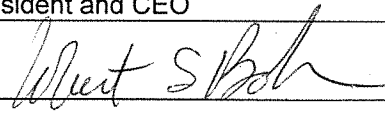
ADDRESS OF BIDDER: 730 South Tonti Street

New Orleans, Louisiana 70119

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 2179

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Robert S. Boh

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: President and CEO

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: 07/13/17

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 206,000.00	\$ 206,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 100,000.00	\$ 100,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 90.00	\$ 10,800

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 5,750.00	\$ 5,750

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 2,500.00	\$ 2,500

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 48.00	\$ 45,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 15.00	\$ 15,525.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 1.30	\$ 1,839.50

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 33.00	\$ 182,820.00

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 130.00	\$ 22,100.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 150.00	\$ 12,750.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 5,000.00	\$ 10,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 21.00	\$ 13,965.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 2,300.00	\$ 2,300.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 4,325.00	\$ 1,591,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 40,000.00	\$ 200,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 230,000.00	\$ 230,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 665,000.00	\$ 665,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 40.00	\$ 140,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 4,400.00	\$ 171,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 3,300.00	\$ 3,300.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	1,750.00	1,750

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	200.00	43,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 4,000.00	\$ 4,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 4,000.00	\$ 4,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 70,000.00	\$ 70,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	112,000.00	112,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	345.00	108,675

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 650,000.00	\$ 650,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 8.80	\$ 100,408

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 16.00	\$ 80,160

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 1,200.00	\$ 768,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 58,000.00	58,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 17,000.00	\$ 17,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 10,000.00	\$ 10,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 1,900,000.00	\$ 1,900,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 500,000.00	\$ 500,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 620,000.00	\$ 620,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 935,000.00	\$ 935,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 65,000.00	\$ 65,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 280,000.00	\$ 280,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 77,500.00	\$ 77,500

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 37,000.00	\$ 37,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 142,000.00	\$ 142,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 65,000.00	\$ 65,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 77,000.00	\$ 77,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 71,000.00	\$ 71,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 47,000.00	\$ 47,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 55,000.00	\$ 55,000.00 ASB

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 86,000.00	\$ 86,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 242,000.00	\$ 242,000


DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 141,000.00	\$ 141,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 37,000.00	\$ 37,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 15,000.00	\$ 15,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 595,000.00	\$ 595,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 24,000.00	\$ 24,000

📍 2525 Quail Drive, Baton Rouge, 70808 📞 (225) 765-2301 

Louisiana State Licensing Board for Contractors

Contractor Information

Business Name BOH BROS. CONSTRUCTION CO., L.L.C.
Mailing Address P O Drawer 53266
 New Orleans, LA 70153
Phone Number (504) 821-2400
Email Address rmorgan@bohbro.com

Active Licenses

License Number 2179
Type Commercial License
Status LICENSED
Effective 09/26/2015
Expiration 09/25/2018
First Issued 09/25/1956

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Robert S. Boh	ALL
ELECTRICAL WORK (RESTRICTED)	Robert S. Boh	ALL
HEAVY CONSTRUCTION	Robert S. Boh	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Robert S. Boh	ALL
MECHANICAL WORK (RESTRICTED)	Robert S. Boh	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Robert S. Boh	ALL
SPECIALTY: CRANE MANUFACTURING, ERECTION, INSTALLATION & SERVICES	Robert S. Boh	ALL
SPECIALTY: HAZARDOUS WASTE TREATMENT OR REMOVAL	Robert S. Boh	ALL

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

Boh Bros. Construction Co., L.L.C. as PRINCIPAL, and

Fidelity & Deposit Company of Maryland as SURETY, are held and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent (5%) of the Total Amount Bid

DOLLARS (\$ 5% of Bid) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated July 13, 2017, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13th day of July, 2017, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

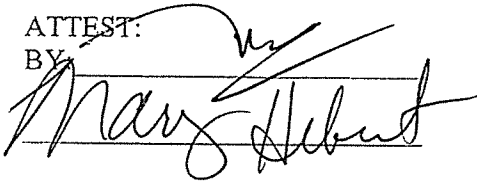
(Business Address, including Zip Code)

(Partnership) (SEAL)

(Business Address, including Zip Code)

ATTEST:

BY:



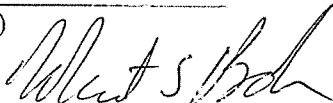
(Corporate Principal)

Boh Bros. Construction Co., L.L.C.

730 S. Tonti Street, New Orleans, LA 70119

(Business Address, including Zip Code)

BY:



AFFIX CORPORATE SEAL
Robert S. Boh, President and CEO

ATTEST:



Fidelity & Deposit Co. of Maryland
(Corporate Surety)

600 Red Brook Blvd., Owings Mills, MD 21117

(Business Address, including Zip Code)

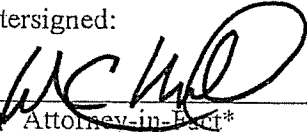
BY:



AFFIX CORPORATE SEAL
Margaret I. Baggett, Attorney-in-Fact

Countersigned:

BY:



Mark Maxwell, Attorney-in-Fact*
LA license # 338465

State of Louisiana

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **THOMAS O. MCCLELLAN, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Warren PERKINS, Margaret I. BAGGETT and Anne Gwin DUVAL, all of New Orleans, Louisiana, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 12th day of June, A.D. 2014.

ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By: *Gerald F. Haley*
Assistant Secretary
Gerald F. Haley

Thomas O. McClellan
Vice President
Thomas O. McClellan

State of Maryland
City of Baltimore

On this 12th day of June, A.D. 2014, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **THOMAS O. MCCLELLAN, Vice President, and GERALD F. HALEY, Assistant Secretary**, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Maria D. Adamski

Maria D. Adamski, Notary Public
My Commission Expires: July 8, 2015



LIMITED LIABILITY COMPANY

CORPORATE RESOLUTION

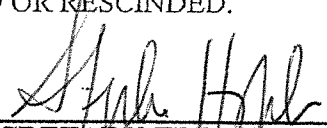
EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
BOH BROS.CONSTRUCTION CO., L.L.C.

INCORPORATED.

AT THE MEETING OF DIRECTORS OF BOH BROS. CONSTRUCTION CO., L.L.C.
INCORPORATED, DULY NOTICED AND HELD ON JULY 13, 2017,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT ROBERT S. BOH, PRESIDENT AND CEO, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION (LLC) WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION (LLC),
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.



SECRETARY-TREASURER

Stephen H. Boh, Vice President and Secretary-Treasurer

07/13/2017

DATE

Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF ORLEANS

BEFORE ME, the undersigned authority, personally came and appeared: Robert S. Boh
_____, (Affiant) who after being by me duly sworn, deposed and said that
Boh Bros. Construction
he/she is the fully authorized President and CEO of Co., L.L.C. (Entity),
the party who submitted a bid in response to Bid Number 50-00119429 to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A X

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B _____

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B X _____ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

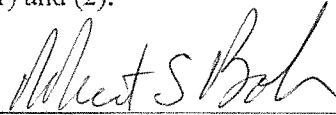
- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).



Signature of Affiant

Robert S. Boh, President and CEO

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 13th DAY OF JULY, 2017.



Notary Public

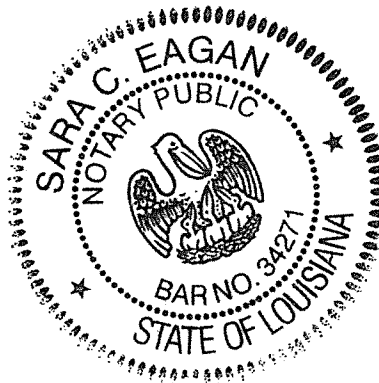
Sara C. Eagan

Printed Name of Notary

34271

Notary/Bar Roll Number

My commission expires at death



BOH BROS. CONSTRUCTION CO., INC.

GENERAL CONTRACTORS
AUTHORIZED DEALER - ARMCO METAL BUILDINGS

SINCE 1909

LA. LICENSE NO. 2179



730 S. TONTI STREET
P. O. DRAWER 53266
NEW ORLEANS, LA. 70153
PHONE 504/821-2400
FAX 504/821-0714

Jefferson Parish Council
Department of Purchasing
General Government Building
200 Derbigny Street, Suite 4400
Gretna, Louisiana 70053

RE: Campaign Contributions

Boh Bros. Construction Co., L.L.C.:

John Young Campaign
2008 - None
10/19/2009 - \$1,000.00
04/30/2010 - \$1,000.00

Robert S. Boh:

John Young Campaign
08/30/2010 - \$500.00
07/17/2015 - \$1,000.00

[Print](#)

Notary Search - Detail

Name: MS. SARA COURY EAGAN
Address: 521 BARONNE ST
APT 306
NEW ORLEANS, LA 70113

Phone: (412) 554-6676
Phone 2: (504) 568-1990

Notary ID Number: 132461
Parish: ORLEANS with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 34271
Status: Active

Commission Date: 11/13/2012
Oath Date: 11/13/2012
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

Notary Events

Name Change	Previous Name: SARA ELIZABETH COURY	Previous Commission Date: Unknown
--------------------	---	--------------------------------------

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)

BOH BROS. CONSTRUCTION CO., L.L.C.

GENERAL CONTRACTORS

SINCE 1909

LA. LICENSE NO. 2179

730 S. TONTI STREET
P.O. DRAWER 53266
NEW ORLEANS, LA 70153
PHONE 504/821-2400
FAX 504/821-0714

Chairman of the Board

Robert H. Boh
703 South Tonti Street
New Orleans, LA 70119

President and Chief Executive Officer

Robert S. Boh
730 South Tonti Street
New Orleans, LA 70119

Vice President

Dale C. Biggers
Fred P. Fuchs
Jeffrey D. Plauche
Jeffrey J. Quebedeaux
Robert N. Senior

730 South Tonti Street
New Orleans, LA 70119

Vice President and Secretary-Treasurer

Stephen H. Boh
730 South Tonti Street
New Orleans, LA 70119

Senior Vice President of Operations

Edward A. Scheuermann
730 South Tonti Street
New Orleans, LA 70119

General Counsel

Christopher B. Lyman
730 South Tonti Street
New Orleans, LA 70119

01/05/17



BOHBROS-01

OJHAAB

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/29/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Florida, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 37230-5191		CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): (877) 945-7378 FAX (A/C, No): (888) 467-2378 E-MAIL ADDRESS: certificates@willis.com															
INSURED Boh Bros. Construction Co., L.L.C. Attn: Anne-Gwin Duval P. O. Drawer 53266 New Orleans, LA 70153		<table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: Insurance Company of the State of Pennsylvania</td><td>19429</td></tr><tr><td>INSURER B: National Union Fire Insurance Company of Pittsburgh</td><td>19445</td></tr><tr><td>INSURER C: New Hampshire Insurance Company</td><td>23841</td></tr><tr><td>INSURER D:</td><td></td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Insurance Company of the State of Pennsylvania	19429	INSURER B: National Union Fire Insurance Company of Pittsburgh	19445	INSURER C: New Hampshire Insurance Company	23841	INSURER D:		INSURER E:		INSURER F:	
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COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		GL 6051617	10/01/2016	10/01/2017	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		CA 3194518	10/01/2016	10/01/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$		13200610	10/01/2016	10/01/2017	EACH OCCURRENCE \$ 25,000,000 AGGREGATE \$ 25,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> N N/A	WC 014629392	10/01/2016	10/01/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Premises Medical Payments is provided only if required by written contract. Contractual Liability is included within the GLS. GL includes Explosion, Collapse, Underground Hazards (X,C,U).

Workers Compensation policies include the following extensions of coverage: Longshoremen's and Harbor Workers' Act and/or Outer Continental Shelf Act and/or Jones Act and/or Death on the High Seas Act and/or Voluntary Compensation (Maritime) including Transportation, Wages, Maintenance & Cure.

CERTIFICATE HOLDER

CANCELLATION

Sample	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Kelli J. Gabriel</i>

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**Request for Taxpayer
Identification Number and Certification**

Give form to the
requester. Do not
send to the IRS.

Print or type
See Specific
Instructions on page 2.

Name (as shown on your income tax return)

Boh Bros. Construction Co., L.L.C.

Business name, if different from above

Check appropriate box: ☐ Individual/Sole proprietor ☐ Corporation ☐ Partnership

☒ Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) **P...G...**

☐ Other (see instructions) **▶**

☐ Exempt
payee

Address (number, street, and apt. or suite no.)

730 S. Tonti Street

Requester's name and address (optional)

City, state, and ZIP code

New Orleans, LA 70119

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

or

Employer identification number

72 10536353

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest and dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign
Here

Signature of
U.S. person **▶**

Date **▶**

9/28/09

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

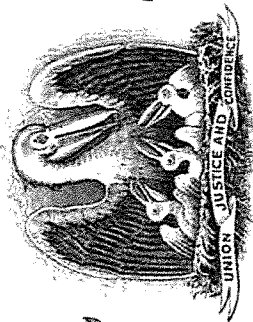
- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity.

State of Louisiana



State Licensing Board for Contractors

This is to Certify that:

BOH BROS. CONSTRUCTION CO., L.L.C.
P O Drawer 53266
New Orleans, LA 70153

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; ELECTRICAL WORK (RESTRICTED); HEAVY CONSTRUCTION; HIGHWAY,
STREET AND BRIDGE CONSTRUCTION; MECHANICAL WORK (RESTRICTED); MUNICIPAL AND PUBLIC
WORKS CONSTRUCTION; SPECIALTY: CRANE MANUFACTURING, ERECTION, INSTALLATION &
SERVICES; SPECIALTY: HAZARDOUS WASTE TREATMENT OR REMOVAL



Expiration Date: September 25, 2018

License No: 2179

Witness our hand and seal of the Board dated,
Baton Rouge, LA 26th day of September 2015

Will S. McCoy
Director

Lee M. Webb
Chairman

Andy Ramsey
Secretary-Treasurer

This License Is Not Transferrable

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) 1, 2, 3

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

Ten Million, Five Hundred Ninety-Five Thousand, Eight Dollars (\$ 10,595,893.00)
HUNDRED NINETY-THREE

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: Industrial & Mechanical Contractors, Inc.

ADDRESS OF BIDDER: 757 Central Ave.
Jefferson, La. 70121

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 26581

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Harold Heidingsfelder

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: President

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **:

DATE: July 13, 2017



* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Mobilization		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$490,000.00	\$ 490,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Removal of Structures & Obstructions		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 1,000.00	\$ 1,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Waterline (8") (P.V.C. C-900)		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 76.00	\$ 9,120.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Fire Hydrant		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 1,869.00	\$ 1,869.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Valve (8")		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 1,400.00	\$ 1,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Asphaltic Conc. Roadway		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 42.00	\$ 39,375.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Limestone Base Course		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 11.00	\$ 11,385.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Geotextile Fabric		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 3.40	\$ 4,811.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	Drainage Excavation		
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 16.60	\$ 91,964.00

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 159.50	\$ 27,115.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 189.00	\$ 16,065.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 5,264.00	\$ 10,528.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 39.20	\$ 26,068.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 2,200.00	\$ 2,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 2,437.50	\$ 897,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 5,200.00	\$ 26,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 133,910.00	\$ 133,910.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 746,782.00	\$ 746,782.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 44.50	\$ 156,640.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 3,242.00	\$ 126,438.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 9,420.00	\$ 9,420.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	\$4,372.00	\$4,372.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	\$116.00	\$24,940.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$1,107.00	\$1,107.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$6,000.00	\$6,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$36,256.00	\$36,256.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	\$154,000.00	\$154,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	\$876.00	\$275,940.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$621,175.00	\$621,175.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$19.00	\$216,790.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$24.50	\$122,745.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$997.00	\$638,080.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$37,850.00	\$37,850.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 19,800.00	\$ 19,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 4,600.00	\$ 4,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 1,875,200.00	\$ 1,875,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 557,600.00	\$ 557,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 570,000.00	\$ 570,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 815,000.00	\$ 815,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 65,000.00	\$ 65,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 347,800.00	\$ 347,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 58,400.00	\$ 58,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 15,000.00	\$ 15,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 5,000.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 49,000.00	\$ 49,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 185,000.00	\$ 185,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 47,000.00	\$ 47,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 50,700.00	\$ 50,700.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 98,048.00	\$ 98,048.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 56,300.00	\$ 56,300.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 133,500.00	\$ 133,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 119,000.00	\$ 119,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 18,900.00	\$ 18,900.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 12,400.00	\$ 12,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 504,000.00	\$ 504,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 20,300.00	\$ 20,300.00

Louisiana State Licensing Board for Contractors

Contractor Information

Business Name INDUSTRIAL AND MECHANICAL CONTRACTORS, INC.
Mailing Address 757 Central
Jefferson, LA 70121
Phone Number (504) 733-6266
Fax Number (504) 733-9144
Email Address indmech@aol.com

Active Licenses

License Number 26581
Type Commercial License
Status LICENSED
Effective 08/16/2017
Expiration 08/15/2020
First Issued 08/15/1991

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Eric H. Heidingsfelder	ALL
BUILDING CONSTRUCTION	Heidingsfelder, Harold H.	ALL
BUSINESS AND LAW	Eric H. Heidingsfelder	ALL
BUSINESS AND LAW	Heidingsfelder, Harold H.	ALL
HEAVY CONSTRUCTION	Heidingsfelder, Harold H.	ALL
MECHANICAL WORK (STATEWIDE)	Eric H. Heidingsfelder	ALL
MECHANICAL WORK (STATEWIDE)	Heidingsfelder, Harold H.	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Heidingsfelder, Harold H.	ALL
SPECIALTY: INDUSTRIAL PIPING	Heidingsfelder, Harold H.	ALL
SPECIALTY: POLLUTION AND ENVIRONMENTAL CONTROL SYSTEMS	Heidingsfelder, Harold H.	ALL

Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Harold
Heidingsfelder, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of Industrial & Mechanical
Contractors, Inc. (Entity),
the party who submitted a bid in response to Bid Number Project No. 2007-023-DR
Proposal No to the Parish of
50-00119429
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B XXX there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B XXXX There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

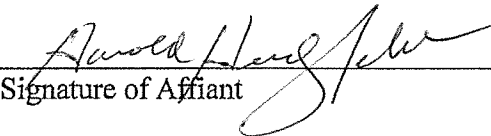
- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).


Signature of Affiant

Harold Heidingsfelder
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 12 DAY OF July, 2017

Notary Public 

Printed Name of Notary



OFFICIAL SEAL
JAMES F. EZELL
NOTARY PUBLIC - LOUISIANA
NOTARY #53735
PARISH OF JEFFERSON
My Commission Is For Life

Notary/Bar Roll Number

My commission expires

[Print](#)

Notary Search - Detail

Name: MR. JAMES F. EZELL
Address: 5860 CITRUS BLVD SUITE D
RIVER RIDGE, LA 70123

Phone: (504) 733-9101

Notary ID Number: 53735

Parish: JEFFERSON with authority in the following parishes:
ORLEANS, PLAQUEMINES, ST. BERNARD

Agency: N/A

Notary Type: Non Attorney

Status: Active

Commission Date: 07/18/2002

Oath Date: 05/09/2007

Surety Expiration Date: 11/12/2021

Annual Report Current: Yes

Notary Events

Suspension From: 11/14/2016 To: 11/21/2016

Suspension From: 09/17/2012 To: 09/20/2012

Parish Change Previous Parish: Previous Commission Date:
EAST BATON ROUGE 11/26/1996

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)

Industrial & Mechanical Contractors, Inc.

• P.O. BOX 10008 • 757 CENTRAL AVENUE •
• JEFFERSON, LOUISIANA 70181 •
• (504) 733-6266 FAX (504) 733-9144 •

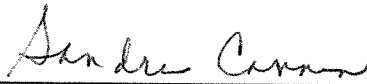
CORPORATE RESOLUTION

Excerpt from minutes of meeting of the Board of Directors of Industrial & Mechanical Contractors, Inc.

At the meeting of the Directors of Industrial & Mechanical Contractors, Inc., duly noticed and held on July 11, 2017, a quorum being there present, on motion duly made and seconded, it was:

Resolved that Harold Heidingsfelder, be and is hereby appointed, constituted and designated as agent and attorney-in-fact of the corporation with full power and authority to act on behalf of this corporation in all negotiations, bidding, concerns and transactions with the Parish of Jefferson or any of its agencies, departments, employees or agents, including but not limited to, the execution of all bids, papers, documents, affidavits, bonds, sureties, contracts and acts and to receive all purchase orders and notices issued pursuant to the provisions of any such bid or contract, this corporation hereby ratifying, approving, confirming and accepting each and every such act performed by said agent and attorney-in-fact.

I hereby certify the foregoing to be a true and correct copy of an excerpt of the minutes of the above dated meeting of the Board of Directors of said corporation, and the same has not been revoked or rescinded.



Secretary-Treasurer

July 11, 2017

Date

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

Industrial & Mechanical Contractors, Inc. as PRINCIPAL, and

Travelers Casualty & Surety Company of America as SURETY, are held and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent of the Greatest Amount Bid

DOLLARS (\$ 5% GAB) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated July 13, 2017, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13th day of July, 2017, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: Industrial & Mechanical Contractors, Inc.
(Individual Principal)

757 Central Ave. Jefferson, LA 70121
(Business Address, including Zip Code)

(Partnership) 757 Central Ave. Jefferson, LA 70121 (SEAL)
(Business Address, including Zip Code)

ATTEST:
BY: Andre Cason

(Corporate Principal) Harold Heidingsfelder, President

757 Central Ave. Jefferson, LA 70121
(Business Address, including Zip Code)

BY: Harold Heidingsfelder
AFFIX CORPORATE SEAL
Harold Heidingsfelder, President
Travelers Casualty & Surety
Company
of America
(Corporate Surety)

ATTEST:
Sharon White

3900 N. Causeway Blvd. Metairie, LA 70002

(Business Address, including Zip Code)

BY: Ryan Martiny
AFFIX CORPORATE SEAL
Ryan Martiny, Attorney-in-Fact

Countersigned:
BY: Frank E. Seeling, IV
Attorney-in-Fact*

State of LA



POWER OF ATTORNEY

Farmington Casualty Company
 Fidelity and Guaranty Insurance Company
 Fidelity and Guaranty Insurance Underwriters, Inc.
 St. Paul Fire and Marine Insurance Company
 St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
 Travelers Casualty and Surety Company
 Travelers Casualty and Surety Company of America
 United States Fidelity and Guaranty Company

Attorney-In Fact No. 229141

Certificate No. 006929600

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Ryan Martiny, and Frank E. Seeling IV

of the City of Metairie, State of Louisiana, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 10th day of August, 2016.

Farmington Casualty Company
 Fidelity and Guaranty Insurance Company
 Fidelity and Guaranty Insurance Underwriters, Inc.
 St. Paul Fire and Marine Insurance Company
 St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
 Travelers Casualty and Surety Company
 Travelers Casualty and Surety Company of America
 United States Fidelity and Guaranty Company



State of Connecticut
 City of Hartford ss.

By:

Robert L. Raney
 Robert L. Raney, Senior Vice President

On this 10th day of August, 2016, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
 My Commission expires the 30th day of June, 2021.



Marie C. Tetreault
 Marie C. Tetreault, Notary Public



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/13/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aparicio Walker and Seeling, Inc. P.O. Box 95 Metairie LA 70004	CONTACT NAME: Tammy Sicotte	
	PHONE (A/C, No, Ext): 504-883-4111	FAX (A/C, No): 504-883-4100
	E-MAIL: tsicotte@awsinc.com	
	ADDRESS: tsicotte@awsinc.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
INSURED INDUS-7 Industrial & Mechanical Contractors, Inc P. O. Box 10008 Jefferson LA 70181	INSURER A: Phoenix Insurance Co.	25623
	INSURER B: Charter Oak Fire Insurance Co	25615
	INSURER C: Travelers Cas Ins Co/America	19046
	INSURER D: Travelers Indemnity Co. of CT	25682
	INSURER E: Travelers Prop/Cas Co of Amer	25674
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 1636957695

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	Y	Y	CO-7D07585A	11/15/2016	11/15/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$15,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	Y	Y	810-7D07585A	11/15/2016	11/15/2017	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$10,000	Y	N	CUP-7D07585A	11/15/2016	11/15/2017	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y	N/A	UB-7D144871	11/15/2016	11/15/2017	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
E	Equipment Floater			660-8064X801	11/15/2016	11/15/2017	Per item 500,000 On/Off Site Included

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

General Liability and Auto Liability includes Blanket Additional Insured and Blanket Waiver of Subrogation when required by written contract. Workers Comp includes Blanket Waiver of Subrogation when required by written contract.

See Attached...

CERTIFICATE HOLDER

CANCELLATION

Jefferson Parish Department of Public Works
1221 Elmwood Park Blvd
Jefferson LA 70123

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Frank E. Seeling III

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**ADDITIONAL REMARKS SCHEDULE**Page 1 of 1

AGENCY Aparicio Walker and Seeling, Inc.		NAMED INSURED Industrial & Mechanical Contractors, Inc P. O. Box 10008 Jefferson LA 70181
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

See Attached

Project No.: 5000119429
New Parish Line Pump Station Phase 1

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Industrial & Mechanical Contractors, Inc.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>	
	5 Address (number, street, and apt. or suite no.) 757 Central Avenue	Requester's name and address (optional)
	6 City, state, and ZIP code New Orleans, La. 70121	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number									
			-			-			
or									
Employer identification number									
7	2	-	1	1	9	2	4	6	7

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶ <i>Sarah Connor, Secty / Pres.</i>	Date ▶ <i>July 12, 2017</i>

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following ADDENDA: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) #1, 6/12/17; #2, 6/23/17; #3, 7/10/17

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of: TEN MILLION SIX HUNDRED TWENTY-TWO THOUSAND
EIGHT HUNDRED FIFTEEN AND 00/100 Dollars (\$ 10,622,815.00)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: Hard Rock Construction, L.L.C.

ADDRESS OF BIDDER: 1255 Peters Road, Harvey, LA 70058

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 24901

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Jason Juneau

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: Member/Estimator

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: 7/12/17

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 615,000.00	\$ 615,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 85,000.00	\$ 85,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 135.00	\$ 16,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 5,500.00	\$ 5,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 2,390.00	\$ 2,390.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 48.00	\$ 45,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 18.00	\$ 18,630.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 2.00	\$ 2,830.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 9.00	\$ 49,860.00

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 60.00	\$ 10,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 80.00	\$ 6,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 2,500.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 23.00	\$ 15,295.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 2,000.00	\$ 2,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 2,200.00	\$ 809,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 25,000.00	\$ 75,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 123,000.00	\$ 123,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 712,000.00	\$ 712,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 49.00	\$ 172,480.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 4,200.00	\$ 163,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 16,000.00	\$ 16,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	8,165.00	8,165.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	165.00	35,475.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 7,800.00	\$ 7,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 2,000.00	\$ 2,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 49,000.00	\$ 49,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	106,000.00	106,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	860.00	270,900.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 650,000.00	\$ 650,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 11.00	\$ 125,510.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 18.00	\$ 90,180.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 1,000.00	\$ 640,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 89,000.00	89,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 26,000.00	\$ 26,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 3,200.00	\$ 3,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 1,788,000.00	\$ 1,788,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 475,000.00	\$ 475,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 516,000.00	\$ 516,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 800,000.00	\$ 800,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 46,000.00	\$ 46,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 540,000.00	\$ 540,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 120,000.00	\$ 120,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 53,000.00	\$ 53,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 18,000.00	\$ 18,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 47,000.00	\$ 47,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 200,000.00	\$ 200,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 86,000.00	\$ 86,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 53,000.00	\$ 53,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 10,000.00	\$ 10,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 8,000.00	\$ 8,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 132,000.00	\$ 132,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 120,000.00	\$ 120,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 18,000.00	\$ 18,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 12,000.00	\$ 12,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 500,000.00	\$ 500,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 26,000.00	\$ 26,000.00



Louisiana State Licensing Board for Contractors

Contractor Information

Business Name HARD ROCK CONSTRUCTION, L.L.C.
Mailing Address 1255 Peters Rd
Harvey, LA 70058
Phone Number (504) 835-1050
Email Address blawson@hardrockconstruction.com

Active Licenses

License Number 24901
Type Commercial License
Status LICENSED
Effective 03/09/2017
Expiration 03/08/2020
First Issued 03/08/1990

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Jeffrey D. Young	ALL
BUSINESS AND LAW	Jeffrey D. Young	ALL
HEAVY CONSTRUCTION	Jeffrey D. Young	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Jeffrey D. Young	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Jeffrey D. Young	ALL
SPECIALTY: DRIVEWAYS, PARKING AREAS, ETC., ASPHALT AND/OR CONCRETE	Jeffrey D. Young	ALL
SPECIALTY: HIGHWAY AND STREET SUB-SURFACE DRAINAGE AND SEWER WORK	Jeffrey D. Young	ALL
SPECIALTY: PERMANENT OR PAVED HIGHWAYS AND STREETS (CONCRETE)	Jeffrey D. Young	ALL
SPECIALTY: RIGGING, HOUSE MOVING, WRECKING AND DISMANTLING	Jeffrey D. Young	ALL

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

HARD ROCK CONSTRUCTION, LLC

_____ as PRINCIPAL, and

HARTFORD FIRE INSURANCE COMPANY

_____ as SURETY, are held

and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

FIVE PERCENT OF THE AMOUNT BID

_____ DOLLARS (\$ 5%) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated JULY 13, 20 17, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13TH day of JULY, 20 17, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

(Business Address, including Zip Code)

(Partnership)

(SEAL)

(Business Address, including Zip Code)

ATTEST:

BY: _____

Carl E. Paribonzo, President

(Corporate Principal)

HARD ROCK CONSTRUCTION, LLC

1255 PETERS ROAD, HARVEY, LA 70058

(Business Address, including Zip Code)

BY: _____

AFFIX CORPORATE SEAL

James Nolan, Member
HARTFORD FIRE INSURANCE COMPANY

(Corporate Surety)

ATTEST:

SEE ATTACHED POWER OF ATTORNEY

ONE HARTFORD PLAZA, HARTFORD, CT 06115

(Business Address, including Zip Code)

BY: _____

AFFIX CORPORATE SEAL

ALEXANDER J. ELLSWORTH
ATTORNEY-IN-FACT

Countersigned:

BY: _____

Alexander J. Ellsworth
Attorney-in-Fact* ALEXANDER J. ELLSWORTH

State of LOUISIANA

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD

Bond T-12

One Hartford Plaza

Hartford, Connecticut 06155

email: bond.claims@thehartford.com

call: 888-266-3488 | fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 43-480815

- ☒ Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
☒ Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
☒ Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
☐ Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
☐ Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
☐ Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
☐ Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
☐ Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of Unlimited** :

Brian P. Bordlee, Charles F. Cowand, Anthony Currera, Alexander J. Ellsworth, William H. Ellsworth, Michele M. Ellsworth, Lauren T. Guillory, Ralph J. LeBlanc of METAIRIE, Louisiana

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by ☒, and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on August 1, 2009, the Companies have caused these presents to be signed by its Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray

John Gray, Assistant Secretary

M. Ross Fisher

M. Ross Fisher, Vice President

STATE OF CONNECTICUT }
COUNTY OF HARTFORD } ss. Hartford

On this 12th day of July, 2012, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Kathleen T. Maynard

Kathleen T. Maynard
Notary Public

My Commission Expires July 31, 2016

I, the undersigned, Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of **JULY 13, 2017**
Signed and sealed at the City of Hartford.



Kevin Heckman

Kevin Heckman, Assistant Vice President

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Hard Rock Construction, L.L.C.
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Hard Rock Construction, L.L.C.
INCORPORATED, DULY NOTICED AND HELD ON January 7, 2017,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT Jason Juneau, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.



SECRETARY-TREASURER

6/29/17

DATE

Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: _____

Jason Juneau (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Member/Estimator of Hard Rock Construction, L.L.C. (Entity),
the party who submitted a bid in response to Bid Number 50-00119429, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A X Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B _____ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

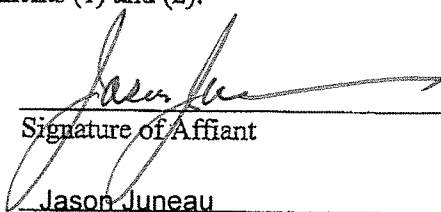
- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).



Signature of Affiant

Jason Juneau

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 20th DAY OF June, 2017.



Notary Public

Dustin A. Hanks

Printed Name of Notary

89132

Notary/Bar Roll Number

My commission expires for life

DUSTIN A. HANKS
NOTARY PUBLIC #89132
State of Louisiana
My Commission is issued for life.

Hard Rock Construction, L.L.C. and Entity Owners
Jefferson Parish Political Contributions


Elton Lagasse	\$ 250	6/23/15
Elton Lagasse	\$ 500	8/25/15
Newell Normand	\$1,000	10/5/15
Ricky Templet	\$1,000	8/8/16
Ricky Templet	\$ 500	4/26/17
Mike Yenni	\$1,000	6/23/15
Mike Yenni	\$1,000	7/10/15
Mike Yenni	\$ 500	8/21/15
Mike Yenni	\$2,000	12/30/15
John Young	\$2,500	6/23/15

[Print](#)

Notary Search - Detail

Name: MR. DUSTIN ANTHONY HANKS
Address: 529 AVENUE J
MARRERO, LA 70072
Phone: (504) 915-3216
Notary ID Number: 89132
Parish: JEFFERSON with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Non Attorney
Status: Active
Commission Date: 09/11/2009
Oath Date: 08/19/2009
Surety Expiration Date: 09/11/2019
Annual Report Current: Yes

[Back to Search Results](#)[New Search](#)

CERTIFICATE OF LIABILITY INSURANCE					DATE (MM/DD/YY) 6/23/2017	
PRODUCER Ellsworth Corporation P. O. BOX 810 METAIRIE, LA 70011-8210			THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
			COMPANIES AFFORDING COVERAGE			
			COMPANY A THE GRAY INSURANCE COMPANY			
INSURED Hard Rock Construction, LLC 1255 Peters Road Harvey, LA 70058			COMPANY B			
			COMPANY C			
			COMPANY D			
COVERAGES						
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY	XSSL-074224	4/20/2016	5/1/2019	GENERAL AGGREGATE	Unlimited
	PRODUCTS – COMP/OP AGG				\$3,000,000.00	
	PERSONAL & ADV INJURY				\$1,000,000.00	
	EACH OCCURRENCE				\$1,000,000.00	
	FIRE DAMAGE (Any one fire)				\$50,000.00	
	OWNER'S & CONTRACTOR'S PROT				MED EXP (Any one person)	\$5,000.00
					COMBINED SINGLE LIMIT	\$1,000,000.00
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO	XSAL-075219	4/20/2016	5/1/2019	BODILY INJURY (Per person)	
	<input checked="" type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	
	<input checked="" type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE	
	<input checked="" type="checkbox"/> HIRED AUTOS					
	<input checked="" type="checkbox"/> NON-OWNED AUTOS					
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY – EA ACCIDENT	
					OTHER THAN AUTO ONLY	
					EACH ACCIDENT	
					AGGREGATE	
A	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM	GXS-043242	5/1/2017	5/1/2018	EACH OCCURRENCE	\$4,000,000.00
	<input checked="" type="checkbox"/> OTHER THAN UMBRELLA FORM				AGGREGATE	\$4,000,000.00
A	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: <input checked="" type="checkbox"/> INCL <input type="checkbox"/> EXCL	XSWC-070939	4/20/2016	5/1/2019	<input checked="" type="checkbox"/> WC STATU- TORY LIMITS	OTH ER
	EL EACH ACCIDENT				\$1,000,000.00	
	EL DISEASE – POLICY LIMIT				\$1,000,000.00	
	EL DISEASE – EA EMPLOYEE				\$1,000,000.00	
	OTHER					
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS The certificate holder is an additional insured on all policies except Workers' Compensation and is provided a Waiver of Subrogation, all if required by written contract. The above insurance policies shall be primary and noncontributory to any other insurance policies maintained by the certificate holder, if required by written contract. Project: New Parish Line Pump Station Phase I- Public Works Project No. 2007-023-DR						
CERTIFICATE HOLDER Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council 200 Derbigny Street, Suite 4400 Gretna, LA 70053			CANCELLATION In the event of cancellation by The Gray Insurance Company and if required by written contract, 30 days written notice will be given to the Certificate Holder. AUTHORIZED REPRESENTATIVE  THE GRAY INSURANCE COMPANY			
GCF 00 50 01 01 12						

THE GRAY INSURANCE COMPANY

The below coverages apply if the corresponding policy number is indicated on the previous page.

A. Commercial General Liability

General Liability Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured (CGL Form# CG 20 10 11 85) when required by written contract.

Primary Insurance Wording Included when required by written contract.

Broad Form Property Damage Liability including Explosion, Collapse and Underground (XCU).

Premises/Operations

Products/Completed Operations

Contractual Liability

Sudden and Accidental Pollution Liability

Occurrence Form

Personal Injury

"In Rem" Endorsement

Cross Liability

Severability of Interests Provision

"Action Over" Claims

Independent Contractors coverage for work sublet

Vessel Liability - Watercraft exclusion has been modified by the vessels endorsement on scheduled equipment.

General Aggregate applies per project or equivalent.

B. Automobile Liability Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured when required by written contract.

C. Workers Compensation Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

U.S. Longshoremen's and Harbor Workers Compensation Act Coverage

Outer Continental Shelf Land Act

Jones Act (including Transportation, Wages, Maintenance, and Cure),

Death on the High Seas Act & General Maritime Law.

Maritime Employers Liability Limit: \$1,000,000

Voluntary Compensation Endorsement

Other States Insurance

Alternate Employer/Borrowed Servant Endorsement

"In Rem" Endorsement

Gulf of Mexico Territorial Extension

D. Excess Liability Policy Includes:

Coverage is excess of the Auto Liability, General Liability, Employers Liability, & Maritime Employers Liability policies

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured when required by written contract.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Hard Rock Construction, L.L.C.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
	5 Address (number, street, and apt. or suite no.) 1255 Peters Road	Requester's name and address (optional)
	6 City, state, and ZIP code Harvey, LA 70058	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number									
			-				-		
or									
Employer identification number									
7	2		-	1	1	3	9	1	2 3

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶ <i>Carl Pdy</i>	Date ▶ <i>7/12/17</i>
--------------	---	-----------------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

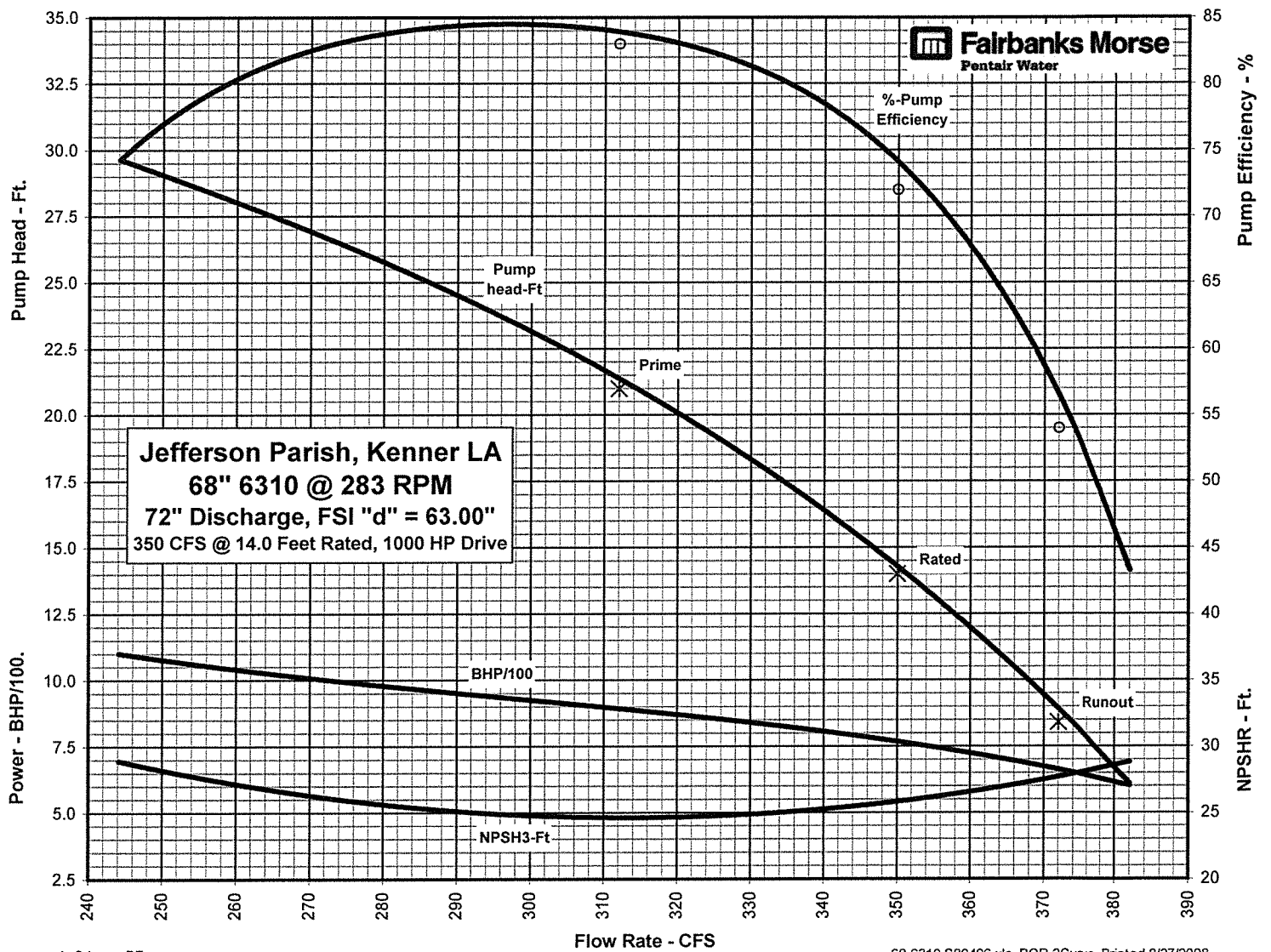
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

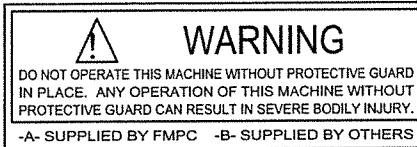
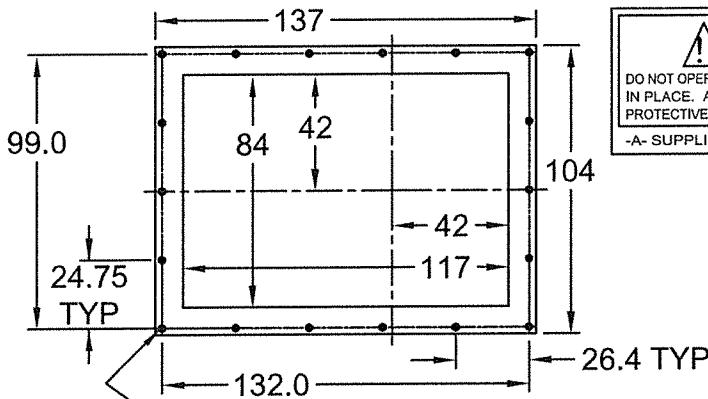
Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

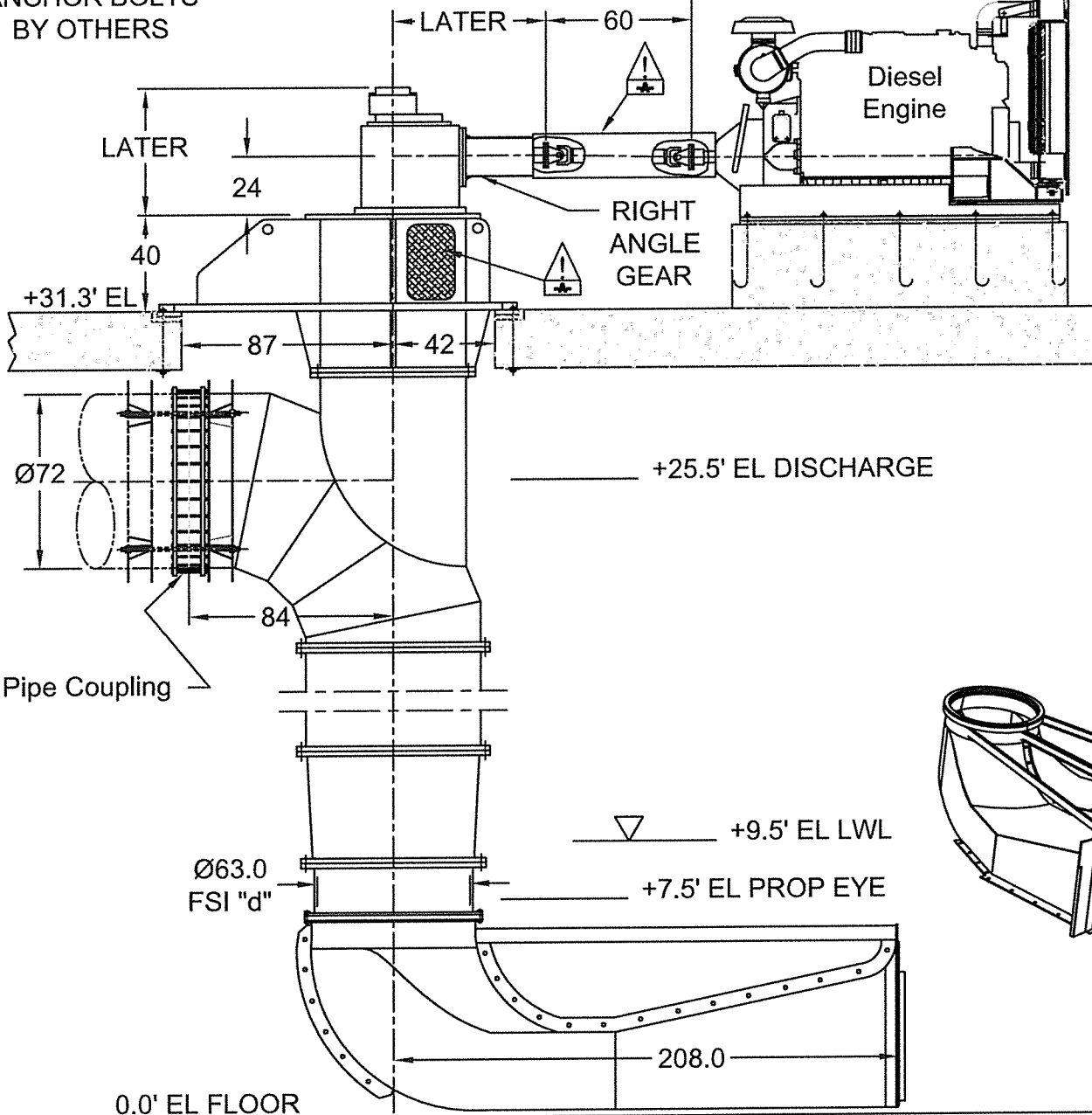




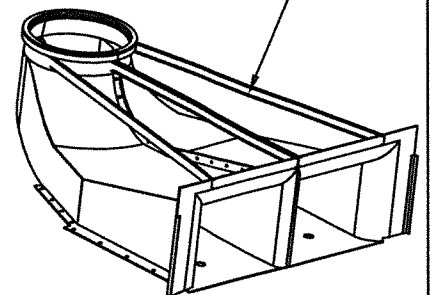
Estimated Weights:	
FSI (5/8" shell)	21,000 lbs.
Pump Assembly	84,000 lbs.
Soleplate Assy	2,700 lbs.
Gear Assembly	LATER lbs.
Shaft-Horizontal	1,500 lbs.
Diesel	LATER lbs.

(16) Ø1.50
ANCHOR BOLTS
BY OTHERS

SOLEPLATE



FSI



PROPRIETARY INFORMATION
This material is confidential and contains proprietary information and other rights which are the sole and exclusive property of Fairbanks Morse Pump. Possession of this material does not convey or transfer these rights. Any reproduction, use, copying or disclosure to others is forbidden without written authorization

NOTE:
1- All dimensions are in inches unless otherwise stated
2- Discharge pipe sized for automatic siphonic recovery
3- Expansion joint, tie-rods, anchor bolts by others
4- See quotation for extent of supply
5- Dimensions may vary due to manufacturing tolerances
6- #10 FSI, "d" = 63" supplied by FM
7- Preliminary - not for construction purposes

FAIRBANKS MORSE PUMP
PENTAIR WATER Arnold R. Sdano-PE

350 CFS 68" 6310
Jefferson Parish, Kenner LA

SIZE	SHT	DWG NO.	REVISION DATE	REV
A	1	SP-S80406	NA	-

Large Propeller Pumps

FACILITY	CITY	ST	MODEL	QTY	HP	RPM	SERVICE	FLOW/HEAD FT
Atomic Energy	Portsmouth	OH	48"6900	8	1500	585	Cooling Water	
Ocean Outfall	Santa Cruz	CA	54"6360	2	800	360	Effluent	59,000 @ 20'
New Orleans Sewer	New Orleans	LA	55" Props	3	200	225	Flood Control	75,000 @ 4'
Station #7	Des Moines	IA	60"6310	2	800	440	Flood Control	95000 @ 22'
Pumping Station	Henderson Co	IL	60"6310	2	900	400	Flood Control	100000 @ 27'
Filtration Plant	Chicago	IL	96"6360	4	1500	180	Lake Intake	
Corps of Engineers	White River	AR	104" Props	3	1750	177	Flood Control	224,000 @ 25'
South Florida	Jacksonville	FL	110" Props	3	300	82	Flood Control	195,000 @ 4.9'
Lake Chares		LA	116"	4	1000	225	Flood Control	112,000 @ 6'
MSD	East St. Louis	MO	120" Props	6	3000	200	Flood Control	462,300 @ 22.5'
Lake Harbor	West Palm	FL	144" Props	3	700	71	Flood Control	468,000 @ 6.4'
South Bay #2	West Palm	FL	144" Props	5	900	76	Flood Control	404,100 @ 7.2'
South Bay #7	West Palm	FL	144" Props	5	700	68	Flood Control	373,100 @ 5.3'
South Bay #8	West Palm	FL	152" Props	5	700	67	Flood Control	468,000 @ 4.5'
Macomb County	Detroit	MN	72" Props	3	2750	220	Flood Control	200,000@38
Charles River	Somerville	MA	144" Props	3	2700	105	Flood Control	627,000@14
NOSWB	New Orleans	LA	144" props	1	2000	150	Flood Control	510,000@9.5
Jefferson County	Beaumont	TX	144" Props	4	2300	150	Flood Control	561,892@20
Huxtable Plant	Northeast	AR	120" props	10	4000		Flood Control	540,000@24
Dwyer Road Station	New Orleans	LA	68" props	3	1000	250	Flood Control	159,000@21
I-610 Underpass	New Orleans	LA	60" props	3	1250	360	Flood Control	112,000@30
Bayou Trapanier	St Charles parish	LA	60" props	3	1000	440	Flood Control	95,000@17
17th Street Canal	New Orleans	LA	68" props	11	1500	296	Flood Control	180,000@15
Ollie Pump Station	Plaquemine	LA	68" proips	2	800	285	Flood Control	130,000@12
GIWW	New Orleans	LA	144" props	11	5500	161	Flood Control	800,000@24

Terms & Conditions

1. **LEGAL EFFECT:** The following terms and conditions are a part of this Quotation, and will be a part of any order ("Order") resulting from this Quotation. Additional or different terms of Buyer's purchase order or other form of acceptance or any other form of Buyer are rejected in advance and shall not become a part of the Order. This Quotation is not an offer. All offers to purchase from Buyer or orders or contracts of sale resulting from this Quotation are subject to final acceptance in writing by an authorized representative at Seller's Kansas City plant.

Seller's rights and remedies under this Quotation and the Order are in addition to, not in substitution of, all other rights and remedies available to Seller under any applicable provision of law, regulation or court decision. Seller may suspend its performance of the Order if Buyer defaults in the performance of its duties under the Order or under any other agreement between the Buyer and Seller.

No employee, agent, dealer, or distributor of Seller has any authority to change or enlarge the terms of this Quotation or the Order. No change shall be valid unless it is in writing and signed by an authorized officer of Seller.

In the event that any provision of these terms and conditions is deemed to be invalid or unenforceable, the parties agree that such invalidity or unenforceability shall not invalidate or render unenforceable the remainder of these terms and conditions, and the remaining terms and conditions shall continue in full force and effect. The terms of any Order resulting from this Quotation shall be interpreted and enforced in accordance with the laws of Kansas.

2. **ASSIGNMENT:** Buyer may not assign or transfer any of its rights under this Quotation or the Order without Seller's written consent. However, Seller may freely assign or transfer its rights under this Quotation or the Order.

3. **CANCELLATION:** Buyer cannot cancel or alter the Order without the Seller's written consent. If Seller grants such consent, Buyer will reimburse Seller for all of Seller's losses and expenses caused by such cancellation or alteration, including without limitation all of Seller's additional costs caused by changes in design or specifications, or by product revisions, and all consequential damages incurred by Seller as a result of such cancellation or alteration. If Buyer cancels the Order, Buyer shall pay Seller (i) a minimum cancellation charge of 15 percent of the purchase price; and (ii) any damages and expenses described in this paragraph that exceed 15 percent of the purchase price.

4. **PRICES:**

A. At Seller's option, prices for items of equipment included in this Quotation, other than equipment covered by Paragraph 4.B, will be increased in accordance with Clause 1 below, unless the "price quotation" portion of this Quotation specifically refers to Clause 2.

Clause 1 – The price for each item of equipment will be escalated by the ratio of the published price for such item (after applicable discounts) in effect at the time of shipment, over the published price for such item (after applicable discounts) in effect at the date of this Quotation.

Clause 2 – The quoted price for each item of equipment will be subject to escalation in accordance with the price adjustment policy specified in Form KC586, which is hereby incorporated as part of this Quotation if this Clause is referred to in the "price quotation" portion of this Quotation.

B. Prices for items of equipment purchased by Seller from third parties which are not covered by Seller's published prices and which are separately identified in this Quotation (such as motors, engines, controls, etc.) will be increased by the ratio of Seller's purchase price at the time of shipment over Seller's purchase price at the time of this Quotation.

5. **TERMS OF PAYMENT:** Unless otherwise specified in this Quotation, the terms of payment shall be as follows:

a. On all Orders under \$100,000, net cash, thirty (30) days after shipment.

b. On all Orders over \$100,000, as follows:

15% on submittal of drawings

25% on release to manufacture

50% at time of shipment

10% 30 days after shipment

These terms apply to partial and complete shipments. Buyer agrees to make full payment under these terms without setoff. If any proceeding is initiated by or against Buyer under any bankruptcy or insolvency law, or if, in Seller's judgment, Buyer's financial condition at the time the equipment is ready for shipment does not warrant the extension of credit to Buyer, Seller may require full payment, in cash, prior to making shipment. If Seller does not receive full cash payment within fifteen (15) days after it notifies Buyer that such payment is required and that is ready for shipment, Seller may cancel the Order as to any unshipped item. In that event, Buyer will pay Seller the cancellation charges, damages and expenses, as described in Paragraph 3.

Seller may assess interest on all amounts past due at the highest lawful rate, or an annual rate of eighteen percent (18%), whichever rate is lower. Buyer will pay all costs and expenses, including reasonable attorney's fees, incurred by Seller in collecting any amounts due, including interest.

The date for shipment or completion of manufacture of the equipment may be changed only with Seller's written consent. If shipment is delayed at Buyer's request, Buyer will make any payments due under the Order as if the equipment has been shipped on the date when it was ready for shipment. If completion of manufacture is delayed at Buyer's request, Seller may require payment according to percentage of completion. Buyer shall have the risk of loss with respect to equipment held for Buyer, and Seller may charge Buyer for storage.

6. **TAXES:** Prices do not include any present and future sales, use, occupation, license, excise, and other taxes or fees with respect to the manufacture, sale or delivery of the equipment. If Seller pays any such taxes, the amount of such payment will be added to the purchase price. Buyer will pay all such taxes and fees unless the amounts of such taxes and fees are included in the purchase price at the proper rate, or Buyer furnishes a proper exemption certificate.

7. **ACTS OF GOD:** Seller shall in no event be liable for delays in delivery of the equipment or other failures to perform caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control.

8. **DELIVERY:** Except as otherwise specified in this Quotation, delivery will be F.O.B., Seller's point of shipment. Buyer will pay all transportation charges. Buyer will accept delivery within thirty (30) days after Seller notifies Buyer that the equipment is ready for shipment. If Buyer does not furnish exact shipping instructions, Seller will select, in its discretion, the means of shipment. Seller will not be liable for any loss resulting from such selection. The time of delivery is an estimate only, and Seller may change such time if it does not receive the information and approvals necessary to proceed with the manufacture of the equipment.

Buyer agrees to inspect all deliveries immediately. Any claim for shortages must be made in writing within ten (10) days after Buyer receives a shipment, and if not made, shall be deemed waived. Any other claim by Buyer, other than claims under the warranty stated in Paragraph 13, shall be made within thirty (30) days after buyer receives shipment, and if not made shall be deemed waived. Seller is not responsible for loss or damage in transit after having received an "In Good Order" receipt from the carrier. Buyer will make all claims for loss or damage in transit against the carrier.

Buyer is fully responsible for (including payment of the cost of) installation and start-up of all equipment sold under the Order.

9. **TITLE AND LIEN RIGHTS:** The equipment will remain personal property, regardless of how it is installed or affixed to any realty or structure. After delivery to Buyer, Seller will have all such rights, including security interests and liens, in the equipment as lawfully may be conferred upon Seller by contract under any applicable provision of law. Buyer agrees to cooperate fully with Seller in the filing of any financing statements or other documents necessary to perfect such interests and liens. If Buyer defaults in its obligations under the Order before the price (including any notes given therefore) of the equipment has been fully paid in cash, Seller may take any and all actions permitted by law to protect its interests including, where permissible, repossession of such equipment.

10. **PATENT INFRINGEMENT:** Seller will defend Buyer and the user of the equipment against any claim that any equipment and parts of Seller's manufacture furnished under the Order infringe upon any published United States patent, and Seller will pay all damages and costs awarded by a court of competent jurisdiction with respect to such claim. The Buyer or user must promptly notify Seller of any such claim, and cooperate fully with Seller in the defense of such claim, or Seller will have no duty under this paragraph. Buyer will defend and indemnify Seller against patent infringement claims relating to equipment and parts that are not manufactured by Seller to the same extent as Seller agrees to defend and indemnify Buyer with respect to patent infringement claims relating to equipment and parts of Seller's manufacture.

11. **SALES FOR EXPORT:** In the case of sales for export, Buyer or Seller, whichever is the proper party under the applicable statute or regulation, will procure, and arrange for any necessary extensions of, all required export, import or other licenses or authorizations. If Buyer, as the proper party, fails to arrange for licenses or authorizations prior to or by the scheduled date of shipment, Seller may at its option treat any such failure as a cancellation of the Order and, upon notice from Seller, buyer will pay Seller the cancellation charges, damages and expenses, as described in Paragraph 3.

12. **INSURANCE:** Buyer shall bear all risk of and responsibility for damage or loss to the equipment after Seller delivers the equipment to the carrier at its point of shipment. Buyer agrees to provide and maintain adequate insurance for the equipment supplied under the Order to fully protect Seller's interest during the time between delivery and final payment. Loss or damage by fire or other causes during such period shall not relieve Buyer from its obligations under the Order.

13. **WARRANTY:** Seller warrants equipment (and its component parts) of its own manufacture against defects in materials and workmanship under normal use and service for one (1) year from the date of installation or start-up, or for eighteen (18) months after the date of shipment, whichever occurs first. Seller does not warrant accessories or components that are not manufactured by Seller however, to the extent possible, Seller agrees to assign to Buyer its rights under the original manufacturer's warranty, without recourse to Seller. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the serial number, the type of equipment and the date of purchase) within thirty (30) days of the discovery of such defect during the warranty period. No claim made more than 30 days after the expiration of the warranty period shall be valid.

Guarantees of performance and warranties are based on the use of original equipment manufactured (OEM) replacement parts. Fairbanks Morse Pump assumes no responsibility or liability if alterations, non-authorized design modifications and/or non-OEM replacement parts are incorporated.

If requested by Seller, any equipment (or its component parts) must be promptly returned to Seller prior to any attempted repair, or sent to an authorized service station designated by Seller, and Buyer shall prepay all shipping expenses. Seller shall not be liable for any loss or damage to goods in transit, nor will any warranty claim be valid unless the returned goods are received intact and undamaged as a result of shipment. Repaired or replaced materials returned to customer will be shipped F.O.B., Seller's factory. Seller will not give Buyer credit for parts or equipment returned to Seller, and will not accept delivery of any such parts or equipment, unless Buyer has obtained Seller's approval in writing.

The warranty extends to repaired or replaced parts of Seller's manufacture for ninety (90) days or for the remainder of the original warranty period applicable to the equipment or parts being repaired or replaced. This warranty applies to the repaired or replaced part and is not extended to the product or any other component of the product being repaired.

Repair parts of its own manufacture sold after the original warranty period are warranted for a period of one (1) year from shipment against defects in materials and workmanship under normal use and service. This warranty applies to the replacement part only and is not extended to the product or any other component of the product being repaired.

Seller may substitute new equipment or improve part(s) of any equipment judged defective without further liability. All repairs or services performed by Seller, which are not covered by this warranty, will be charged in accordance with Seller's standard prices then in effect.

THIS WARRANTY IS THE SOLE WARRANTY OF SELLER AND SELLER HEREBY EXPRESSLY DISCLAIMS AND BUYER WAIVES ALL OTHER WARRANTIES EXPRESSED, IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Seller's sole obligation under this warranty shall be, at its option, to repair or replace any equipment (or its component parts) which has a defect covered by this warranty, or to refund the purchase price of such equipment or part. Under the terms of this warranty, Seller shall not be liable for (a) consequential, collateral, special or liquidated losses or damages; (b) equipment conditions caused by normal wear and tear, abnormal conditions of use, accident, neglect, or misuse of said equipment; (c) the expense of, and loss or damage caused by, repairs or alterations made by anyone other than the Seller; (d) damage caused by abrasive materials, chemicals, scale deposits, corrosion, lightning, improper voltage, mishandling, or other similar conditions; (e) any loss, damage, or expense relating to or resulting from installation, removal or reinstallation of equipment; (f) any labor costs or charges incurred in repairing or replacing defective equipment or parts, including the cost of reinstalling parts that are repaired or replaced by Seller; (g) any expense of shipment of equipment or repaired or replacement parts; or (h) any other loss, damage or expense of any nature.

This Section 13 shall not apply to any equipment which may be separately covered by one of the following warranties: KC685 5-Year Prorated Warranty, KC885 15-Month Prorated Warranty, KC985 9-Month Warranty. All other provisions of KC585 shall remain effective.

14. **CONDITION TO WARRANTY WORK:** If Buyer is in default (including, but not limited to, the failure of Buyer to maintain a current account with Seller) under the Order or any other agreement between Buyer and Seller, Buyer's rights under the warranty shall be suspended and the original warranty period will not be extended.

15. **PERFORMANCE:** Equipment performance is not warranted or guaranteed unless separately agreed to by Seller in accordance with its guarantee policy. Performance curves and other information submitted to Buyer are approximate and no warranty or guarantee shall be deemed to arise as a result of such submittal. All testing shall be done in accordance with Seller's standard policy.

16. **LIABILITY LIMITATIONS:** Under no circumstances shall the Seller have any liability under the Order or otherwise for liquidated damages or for collateral, consequential or special damages or for loss of profits, or for actual losses or for loss of production or progress of construction, regardless of the cause of such damages or losses. In any event, Seller's aggregate total liability under the Order or otherwise shall not exceed the contract price. Buyer agrees to indemnify and hold harmless Seller from all claims by third parties in excess of these limitations.

17. **COMPLIANCE WITH LAW:** Since the compliance with the various Federal, State and Local laws and regulations concerning occupational health and safety and pollution are affected by the use, installation and operation of the equipment and other matters over which Seller has no control, Seller assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty or otherwise.

Louisiana



Louisiana Cat
Power Systems Division
6111 Port Road
New Iberia, LA 70560
337-374-1901 ph / 337-374-1914 fax

Quote Number: 30295894-6 rev 1
Quotation Expires: 9-5-2017

July 10, 2017

Re: Parish Line Pump Station

In response to your request and with reference to your specifications, Louisiana Cat is pleased to offer you the following quote:

ONE (1) CATERPILLAR MODEL 3512C EPA Tier II PETROLEUM INDUSTRIAL ENGINE RATED 1475HP @1200 RPM for STATIONARY/EMERGENCY APPLICATIONS

Standard Consist and Options

Includes one Caterpillar 12-cylinder, direct-injected, turbocharged, aftercooled diesel oilfield engine; 4 cycle, 170 mm bore x 215 mm stroke (6.7 in bore x 7.5 in stroke) with separate-circuit after-cooler, and optimized for low emissions. Engine rotation is standard(counter-clockwise as viewed from flywheel end).

AIR INLET SYSTEM

Aftercooler core, corrosion resistant
Air cleaner, regular duty, with soot filter.
Service indicators.

CONTROL SYSTEM

Caterpillar ADEM A3 ECM, LH.
Includes adjustable speed droop capability. Requires 24V DC 10-amp continuous, 20-amp intermittent, clean electrical power.
Local Engine throttle control-mounted in engine instrument panel

COOLING SYSTEM

Outlet controlled thermostat and housing.
Jacket water pump gear driven.
Aftercooler fresh water cooling pump (SCAC), gear driven centrifugal SCAC pump circuit contains a thermostat to keep the aftercooler coolant from falling below 30 deg C (85 F).

Duraweld Model FR2418 Keel cooler for jacket water circuit- **shipped loose** for customer installation
Duraweld Model FR3624-2 Keel cooler for aftercooler circuit- **shipped loose** for customer installation
IEA 65 gallon galvanized expansion tank for jacket water circuit- **shipped loose** for customer installation
IEA 50 gallon galvanized expansion tank for aftercooler circuit- **shipped loose** for customer installation
All piping between engine, expansion tank, and keel coolers to be fabricated by customer

EXHAUST SYSTEM

Exhaust outlet: 203 mm I.D. (8 in) mm (8 in) to 305 mm (12 in). 8-10.5 mm dia holes EQ SP, 250.95 mm bolt hole dia.

Exhaust adapter: TECHNICAL: **Shipped loose**. Includes hardware to bolt to engine. 203 mm I.D. to 310 mm I.D. (8 in to 12 in),; 8-10.5 mm dia. holes EQ SP, 250.95 mm bolt hole dia.; 12-10.5 mm dia. holes EQ SP, 376 mm bolt hole dia. Weldable flange: 328 I.D. mm (12 in),; 12-13.8 mm dia. holes

Exhaust fitting- TECHNICAL: **Shipped loose**. 205 mm I.D. (8 in), 8-14 mm dia. holes EQ SP, 250.8 mm bolt hole dia.

Exhaust manifolds, dry.

14 in critical grade stainless steel muffler

Stainless steel flex connection

(Muffler, flex, exhaust fitting **shipped loose**, piping and installation by contractor)

FLYWHEELS & FLYWHEEL HOUSINGS

Flywheel, SAE No. 00

Flywheel housing, SAE No. 00

SAE standard rotation

FUEL SYSTEM

Fuel filter, LH.

Fuel transfer pump

Fuel priming pump, LH

Electronically-controlled unit injectors.

Racor fuel / water separator

INSTRUMENTATION

Premium Electronic Instrument Panel, LH Engine mounted

Includes service meter- engine hours

Lube oil pressure gauge

Tachometer- engine speed

System voltage

Fuel pressure gauge

Jacket water temperature gauge

Intake manifold temperature gauge

Lube oil temperature gauge

Turbocharger inlet temperature gauge (RH/LH)

Air cleaner restriction gauge (RH/LH)

Oil and fuel differential gauges

Separate Circuit aftercooler temperature gauge

Boost pressure gauge

Start-stop switch

Cool down logic and auto-crank cycle,

E-stop

Alarm horn

SEMS module with diagnostic display

Exhaust pyrometer with thermocouples

Fuel rate and total fuel consumed

Crankcase pressure

Caterpillar Marine Power Display with (320x240) resolution LCD display

Local Engine throttle control-mounted in engine instrument panel

Second engine throttle control **shipped loose** for contractor to install in Murphy panel

Junction box installed for contractor to connect engine mounted panel to pump station controls.

LUBE SYSTEM

Crankcase breather
Oil cooler
Oil filter, LH.
Standard shallow oil pan
Oil pan drain valve, 2" NPT female connection
Racor closed crankcase ventilation system installed
Engine shipped dry – no oil included

MOUNTING SYSTEM

Standard mounting rails only, floor type, 254 mm (10 in). (No skid supplied)

POWER TAKE-OFFS

Flywheel stub shaft
Driveshaft with Faulk or Atra-Flex resilient style couplings up to 8 ft. in length.
(Contractor to confirm exact length needed)

PROTECTION SYSTEM

ADEM A3 ECM monitoring system provides engine de-rating, or shutdown strategies to protect against adverse operating conditions. Selected parameters are customer-programmable. Status available on engine-mounted instrument panel and can be broadcast through the optional customer communications module or programmable relay control module(s).

Initially set as follows:

Safety shutoff protection, electrical: Oil pressure, water temperature, overspeed, crankcase pressure, aftercooler temperature.

Includes air inlet shutoff, activated on overspeed or emergency stop.

Alarms, electrical:

ECM voltage, oil pressure, water temperature (low and high), overspeed, crankcase pressure, aftercooler temperature, low water level, air inlet restriction, exhaust stack temperature, filter differential pressure (oil and fuel).

Derate, electrical:

High water temperature, crankcase pressure, aftercooler temperature, air inlet restriction, altitude, exhaust temperature.

Emergency stop push button, located on instrument panel.

Alarm switches (oil pressure and water temperature)

STARTING / CHARGING SYSTEM

Air starting motor, RH, 620 to 1034 kPa (90 to 150 psi), LH (manual "palm valve" added for engine starting in the event of a solenoid valve failure), Air pressure regulator, Air silencer

Dual jacket water heaters- 240V JVC-TECHNICAL: UL recognized. 120-240 volt, single phase, 6 kW total, LH and RH mounted. For use in 10 C (50 F) minimum air temperature with 134 m/min (440 fpm) max air flow. Fixed thermostat set for cut-in at 60 C (140 F).

Charging alternator 24V 60 amp (removed per Addendum 2.1-J)

24V battery set, cables, and fiberglass battery box- **shipped loose** for customer installation

LaMarche 24V battery charger – **shipped loose** for customer installation

GENERAL

Paint, Caterpillar Yellow

Vibration damper and guard

Lifting eyes

Standard Factory Engine Test- Test will be performed in accordance with OP1852 and must be requested prior to factory build. Test takes about one hour. Test results reported are: Fuel setting, full load power, turbocharger boost, fuel rate at full load, lube oil pressure, rpm at rated speed & high idle.

Industrial Torsional Vibration analysis by Caterpillar

**** A complete set of technical data (see below) must be submitted to Caterpillar before calculations are undertaken. The report will include a mathematical determination of the natural frequency, critical speeds, relative amplitudes of angular displacement, and approximate nodal locations of the complete elastic system (both engine and driven equipment).**

NOTE: IF ALL TECHNICAL DATA REQUIRED IS NOT RECEIVED, ANALYSIS MAY BE DELAYED UNTIL THE MISSING INFORMATION IS PROVIDED.

TECHNICAL DATA REQUIRED:

1. The operating speed range.
2. Load demand curve on sets which have a load dependent variable rigidity coupling.
3. General arrangement drawing or sketch of complete system, including data on special crankshaft pulleys and equipment driven from front of engine.
4. With driven equipment on both ends of the engine, the horsepower demand of each end is required. In addition, simultaneous front and rear horsepower (maximum engine load) is required.
5. Make, model, WR2 and torsional rigidity on all couplings used between the engine and driven equipment.
6. WR2 of each rotating mass. Weight of each reciprocating mass. (Needed for all pumps, compressors, gears, pinions and/or pulleys.)
7. Torsional rigidity and minimum shaft diameter or detailed dimensions of all shafting in the driven system whether separately mounted or installed in a housing.
8. The ratio of the speed reducer or increaser. The WR2 and rigidity that are submitted for a speed reducer or increaser should state whether or not they have been adjusted to engine speed.

Spare parts

Two spare air filters, fuel filters, and oil filters

Spare Engine ECM-programmed

Cat ET diagnostic software, adapter, and cables (Cat ET program to be installed on customer furnished laptop)

Exceptions and Clarifications:

Engine Alarms and Shutdowns not supported by the engine ECM:

Low Fuel level alarm

Net Price for ONE 3512C with these specifications..... \$

Prices do not include any applicable taxes

FOB-Jobsite – Parish Line Pump Station – Jefferson Parish, LA; not unloaded curbside

Delivery 26-27 weeks from receipt of purchase order

No installation is included in this price

ENGINE STARTUP, TESTING, and COMMISSIONING

Louisiana Cat will furnish a service technician for a time period of up to 5 days if required at the jobsite for testing, commissioning, and acceptance of the engine. The engine, controls, cooling system, exhaust system, and driveline must be fully installed, aligned, filled with fluids, and ready to run.

Any additional commissioning time past 5 days will be charged to the contractor at Louisiana Cat Standard Louisiana Cat Field Service labor rates plus travel time and mileage.

Louisiana Cat will conduct an 8 hour onsite training course to cover operating and routine maintenance of the engine after the engine has been commissioned.

Financial Terms:

INVOICING SCHEDULE

Milestone Payments from acceptance of order:

Milestone payments will be required based on monetary value of this order and length of the project. The following is our milestone payment schedule.

	Percentage
1. Receipt of approved order Down Payment	15%
2. Submittal of approval drawings	15%
3. Receipt of Major Equipment	40%
4. Ready for Final Acceptance Test	25%
5. Submittal of Final Vendor Manual	5%

Change Orders

Change Orders as each may occur by the Company or its Representative, shall be in writing. Implementation of the Change Order shall not occur until Louisiana Cat has received written approval from the Company. Where approval by the Company is pending, it may be necessary for the Seller to suspend the production schedule. Upon the Seller receiving Companies approval, the production schedule shall resume. Each suspension of the Sellers production schedule may be equal to extending the shipping date.

Change orders as they occur, shall be invoiced at the nearest milestone payment.

Cancellation Charges from acceptance of order

Cancellation within 7 calendar days from Purchase Order will be accepted at no charge.
Cancellation between 8 and 30 days from Purchase Order will be charged at 50% of order total.
Cancellation outside of 30 days from Purchase Order will be charged at 100% of order total.

Purchaser disputed invoices or portions of invoices:

The Company shall notify the Seller immediately when an invoice or portion of an invoice is determined to be in dispute. Company and Seller shall determine and agree upon the corrective action or actions as necessary to resolve the dispute. The Company and Seller in reaching an agreement and corrective action begun, the Company shall make immediate payment of the invoice to the Seller

Where non-payment of the Sellers invoice continues, the Seller shall reserve the right to suspend the production schedule. Each suspension of the Sellers production schedule may be equal to extending the shipping date.

Invoice Terms: Net 30, pending prior credit approval

WARRANTY

Standard Caterpillar warranty applies for all new delivered products. Standard Cat warranty on Industrial Engines is one year from date of first service.

Additional Terms & Conditions:

The scope of supply for this quotation is limited to the equipment and services listed in this proposal. The customer is responsible for any and all installation of the above Equipment unless specifically modified by this proposal. All equipment needed to perform any loading or unloading of the Equipment supplied by Louisiana Cat is the responsibility of the customer unless specifically modified by this proposal. Unless specifically listed in our bill of material, equipment not indicated is to be supplied by others. Louisiana Cat reserves the right to correct any errors or omissions. Customer's signature on this quotation or the issuance of a purchase order or other acknowledgement by customer for the Equipment shall constitute acceptance of this quotation subject only to the terms and conditions set forth herein notwithstanding any terms and conditions contained in any such purchase order or other acknowledgment or communication from the customer which are different from or in addition to the terms and conditions of this quotation. This quotation is subject to any applicable manufacturer's general terms and conditions of sale. Changes to the terms of this quotation may only be made by the express written agreement of Louisiana Cat. Louisiana Cat shall not be responsible for any consequential, special, indirect or liquidated damages hereunder or for any manufacturer or other delays beyond Louisiana Cat's control. Louisiana Cat will not be responsible for any labor or material charges by others associated with the start-up and installation of this equipment unless previously agreed upon, in writing by Louisiana Cat. The prices stated herein are subject to any manufacturer increases if the order is not released for manufacture within 60 calendar days from order date or, if drawings for approval are required, the drawings are not returned and released for manufacture within 30 calendar days of mailing date. For any completed order, scheduled for shipment, that is held, delayed or rescheduled at the request of the Buyer, Seller may, at its sole option, ship to storage, invoice, and transfer title, all at the sole cost and risk of loss of the Buyer. Buyer may terminate or cancel an order by written notice and upon payment of appropriate charges based upon a percentage of the quoted sales price at the stage of completion: 10% hold for approval status and 100% released for manufacture status.

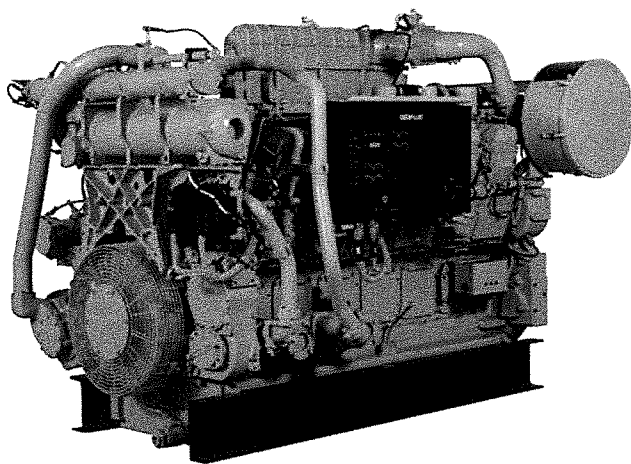
We at Louisiana Cat Power Systems appreciate the opportunity to quote on your project. We thank you, and are always at your disposal for any additional information or assistance you may require.

Don Emerson
Industrial Engine Sales Manager
Office: 337-374-1901
Cell: 337-288-5768
don.emerson@louisianacat.com



3512C (HD) Land Mechanical Engine

932-1100 bkW
(1250-1475 bhp)
1200 rpm



CAT® ENGINE SPECIFICATIONS

V-12, 4-Stroke-Cycle-Diesel

Emissions	2006 EPA/CARB Tier 2 Non-road Emissions Certified
Peak Torque at Speed.....	4376 lb-ft
Bore	170 mm (6.7 in)
Stroke	215 mm (8.5 in)
Displacement	58.6 L (3574 cu. in)
Aspiration	Turbocharged-Aftercooled
Governor and Protection.....	Electronic ADEM™ A3
Capacity for Liquids	
Lube Oil System (refill)	318 L (84 U.S. gal)
Cooling System (engine only) ..	157.1 L (41.5 U.S. gal)
Cooling System (radiator).....	244.2 L (64.5 U.S. gal)
Oil Change Interval.....	500 hours
Rotation (from flywheel end)	Counterclockwise
Flywheel and Flywheel Housing	SAE No. 00
Flywheel Teeth	183

FEATURES

Engine Design

- Proven reliability and durability
- Robust diesel strength design prolongs life and lowers owning and operating costs
- Market-leading power density
- Designed to perform in oilfield conditions, including high ambient high altitude applications
- Long overhaul life proven in oilfield applications
- Core engine components designed for reconditioning and reuse at overhaul

Emissions

2006 EPA/CARB Tier 2 non-road emissions certified

Advanced Digital Engine Management

ADEM A3 has improved user interface, display system, shutdown controls, system diagnostics, and allows electronic integration with transmissions.

Safety

- E-Stop pushbutton on instrument panel
- Air shutoff and explosion relief valves
- Configurable alarm and shutdown features
- Extra alarm switches available for customer-supplied panel
- Instrument panel (LH analog and digital display of key package operation parameters)

Improved Serviceability

Large inspection openings allow convenient access to core engine internals

Reduction of Owning and Operating Costs

- Long filter change intervals, aligned with service intervals
- Excellent fuel economy – direct injection electronic unit injectors precisely meter fuel
- Torsional vibration analysis available from factory to maximize component life

Custom Packaging

For any petroleum application, trust Caterpillar to meet your project needs with custom factory generator sets and mechanical packages. Cat® engines, generators, controls, radiators, and transmissions can be custom-designed and matched in collaboration with our local dealers to create unique solutions. Custom packages are globally supported and are covered by a one-year warranty after startup.

Full Range of Attachments

Large variety of factory-installed engine attachments reduces packaging time

Testing

Every engine is full-load tested to ensure proper engine performance.

Product Support Offered Through

Global Cat Dealer Network

More than 2,200 dealer outlets

Cat factory-trained dealer technicians service every aspect of your petroleum engine

Caterpillar parts and labor warranty

Preventive maintenance agreements available for repair-before-failure options

S•O•SSM program matches your oil and coolant samples against Caterpillar set standards to determine:

- Internal engine component condition
- Presence of unwanted fluids
- Presence of combustion by-products
- Site-specific oil change interval

Over 80 Years of Engine Manufacturing Experience

Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable products.

- Cast engine blocks, heads, cylinder liners, and flywheel housings
- Machine critical components
- Assemble complete engine

Web Site

For all your petroleum power requirements, visit www.catoilandgasinfo.com



STANDARD EQUIPMENT

Air Inlet System

Aftercooler core – corrosion resistant
Air cleaner – regular duty with soot filter
Service indicators

Control System

ADEM A3 ECU – LH
Includes adjustable speed droop capability
Pneumatic speed control, 10-100 psi

Cooling System

Radiator-cooled land-based
Outlet controlled thermostat and housing
Jacket water pump – gear-driven
Dual outlet
Aftercooler fresh water cooling pump (SCAC) –
gear-driven, centrifugal

Exhaust System

Exhaust flexible fitting, adapter, flange

Flywheels and Flywheel Housings

Flywheel – SAE No. 00 and housing

Fuel System

Fuel filter – LH, priming pump – LH
Fuel transfer pump
Flexible fuel lines
Electronically controlled unit injectors

Instrumentation

Electronic instrument panel – RH
Analog gauges with digital display data for: engine oil
pressure gauge, engine water temperature gauge, fuel
pressure gauge, system DC voltage gauge, air inlet

restriction gauge, exhaust temperature gauge, fuel filter
differential pressure gauge, oil filter differential pressure
gauge, service meter, tachometer, instantaneous fuel
consumption, total fuel consumed, engine start-stop
(off, auto start, manual start, cooldown timer)

Lube System

Crankcase breather
Oil cooler
Oil filter, LH
Oil pan drain valve, 2" NPT female connection

Mounting System

Rails – mounting, floor type, 254 mm (10 in)

Power Take-Offs

Accessory drive
Lower LH front (available for PTO usage)
Front housing – two-sided

Protection System

ADEM A3 ECU monitoring system provides engine
protection strategies to protect against adverse
operating conditions. Selected parameters are
customer programmable.

Starting System

Air starting motor – RH, 620 to 1034 kPa (90 to 150 psi),
LH control
Air silencer

General

Paint – Caterpillar yellow
Vibration damper and guard
Lifting eyes

OPTIONAL EQUIPMENT

Air Compressor**Air Inlet System**

Air cleaners
Remote air inlet adapters

Charging Systems

Battery chargers and charging alternators

Control System

Load sharing modules
Local speed throttle control
Governor conversion
Throttle position sensors

Cooling Systems

High gloss black folded core radiators and conventional
core radiators
Belt guard
Blower fan
Fan drive and fan pulley
Radiator cover
Water level switch gauge
Coolant level sensors
Air separator

Exhaust System

Flexible fitting
Elbows
Flange and exhaust expanders
Mufflers

Flywheel and Flywheel Housing**Fuel System**

Fuel priming pumps, flexible fuel lines
Fuel filter
Fuel cooler, fuel level switch

Instrumentation

Remote panel display, remote cylinder temperature
display
Gauges and instrument panels

Lube System

Fumes disposal
Oil filters
Prelube pumps, sump pumps

Mounting System**Power Take-Offs**

Flexible couplings, coupling hubs
Front accessory drives
Auxiliary drive shafts and pulleys
Front stub shaft and flywheel stub shaft
Pulleys

Protection System

Shutoffs
Switches and contactors
Explosion relief valves
Oil pressure monitor

Starting System

Starting motors – air, gas, electric
Air pressure regulators, controls and silencer
Air controls – manual, electric
Redundant start systems
Start switch
Starting aids (JW heater and ether injection)
Battery sets – 24 volts with rack

General

Special paint
Cat data link wire
Flywheel guard
Tool set



3512C (HD)

LAND MECHANICAL ENGINE

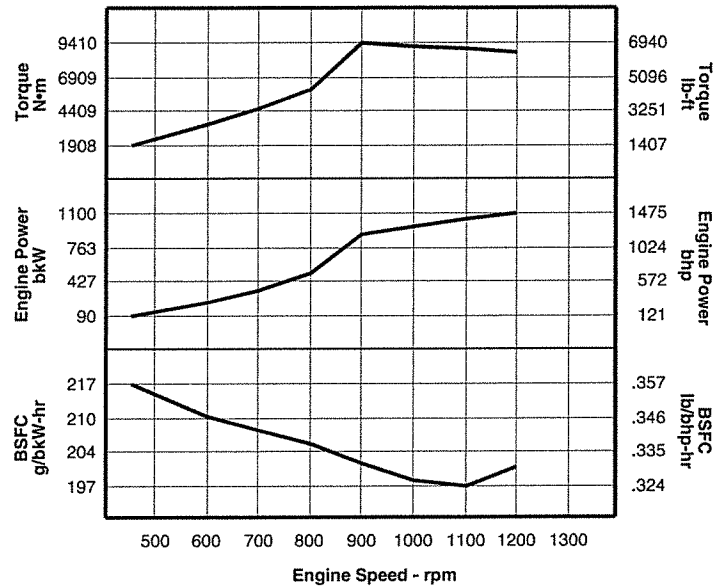
932-1100 bkW (1250-1475 bhp)

PERFORMANCE CURVES

Turbocharged-Aftercooled

P/D MECH Rating – 1100 bkW (1475 bhp) @ 1200 rpm

DM8277-02



Heat Rejection Data										
Engine Speed rpm	Engine Power		Rej to JW		Rej to Atmos		Rej to Exh		From Aft Clr	
	bkW	bhp	kW	Btu/min	kW	Btu/min	kW	Btu/min	kW	Btu/min
1200	1100	1475	420	23,896	114	6510	891	50,685	296	16,826
1100	1034	1386	381	21,651	109	6205	822	46,746	249	14,157
1000	962	1291	347	19,716	112	6363	780	44,377	208	11,843
900	887	1189	349	19,854	125	7122	720	40,929	164	9339
800	505	677	242	13,758	129	7339	428	24,341	34	1948
700	338	454	183	10,383	107	6085	264	15,022	4	231
600	213	286	108	6135	82	4649	159	9027	–	–
450	90	121	28	1612	64	3655	69	3946	–	–

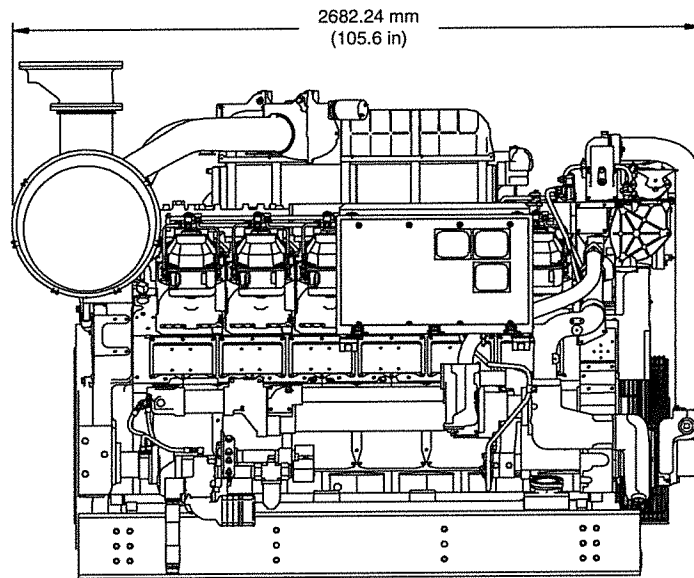
Approximate Power (bhp) as function of Altitude and Inlet Manifold Temperature for DM8277-02									
Inlet Manifold Temp. (°F)	Altitude (feet)								
	10,499	9843	8202	6562	4921	3281	1640	984	0
50	1171	1200	1250	1250	1250	1250	1250	1250	1250
68	1130	1160	1235	1250	1250	1250	1250	1250	1250
86	1093	1121	1195	1250	1250	1250	1250	1250	1250
104	1058	1086	1156	1231	1250	1250	1250	1250	1250
122	1026	1051	1121	1192	1250	1250	1250	1250	1250
Normal	1172	1196	1250	1250	1250	1250	1250	1250	1250



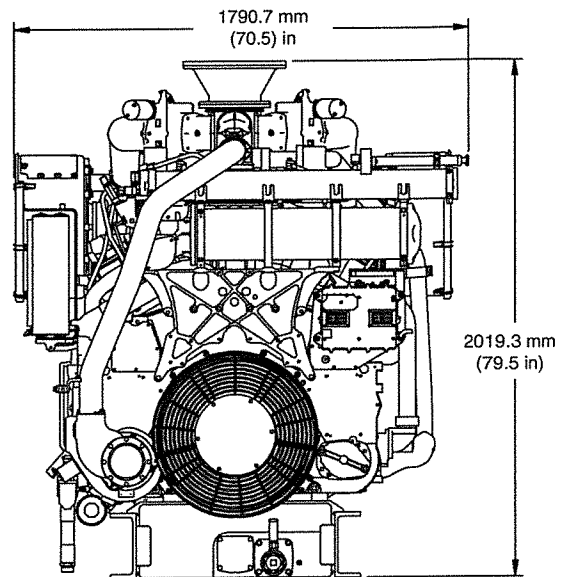
3512C (HD) LAND MECHANICAL ENGINE

932-1100 kW (1250-1475 bhp)

LAND MECHANICAL ENGINE



Right Side View



Front View

Engine Dimensions		
Length	2682.24 mm	105.6 in
Width	1790.7 mm	70.5 in
Height	2019.3 mm	79.5 in
Engine Weight (dry)	5423 kg	11,945 lb

Note: Do not use for installation design.
See general dimension drawings for detail.
(Drawing #281-9127)

RATING DEFINITIONS AND CONDITIONS

Prime Power – 6,000 hrs./year, for applications with load factors less than or equal to 60%. Rated load (100%) usage is limited to 1 hour in 12. 10% overload available.

Ratings are based on SAE J1995 standard conditions of 100 kPa (29.61 in Hg) and 25°C (77°F). These ratings also apply at ISO3046/1, DIN6271, and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27°C (81°F), and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50° C (122°F).

Fuel consumption has a tolerance of +5% and is based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18 390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven.

Information contained in this publication may be considered confidential. Discretion is recommended when distributing. Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, S•O•S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

PERFORMANCE DATA [512DP11]**FEBRUARY 25, 2016**For Help Desk Phone Numbers [Click here](#)

Perf No: DM8277

Change Level: 02

General Heat Rejection Emissions Regulatory Altitude Derate Cross Reference General Notes Supplementary Data Perf Param Ref

View PDF

SALES MODEL:	3512C	COMBUSTION:	DI
ENGINE POWER (BHP):	1,475	ENGINE SPEED (RPM):	1,200
PEAK TORQUE (FT-LB):	6,940.5	PEAK TORQUE SPEED (RPM):	900
COMPRESSION RATIO:	14.7	ASPIRATION:	TA
RATING LEVEL:	C-RATING	AFTERCOOLER TYPE:	SCAC
PUMP QUANTITY:	2	AFTERCOOLER CIRCUIT TYPE:	JW+OC, AC
FUEL TYPE:	DIESEL	AFTERCOOLER TEMP (F):	122
MANIFOLD TYPE:	DRY	JACKET WATER TEMP (F):	210.2
GOVERNOR TYPE:	ADEM3	TURBO CONFIGURATION:	PARALLEL
ELECTRONICS TYPE:	ADEM3	TURBO QUANTITY:	2
CAMSHAFT TYPE:	STANDARD	TURBOCHARGER MODEL:	GTA5518BN-56T-1.24
IGNITION TYPE:	CI	CERTIFICATION YEAR:	2006
INJECTOR TYPE:	EUI	CRANKCASE BLOWBY RATE (FT3/HR):	1,352.4
FUEL INJECTOR:	2693152	FUEL RATE (RATED RPM) NO LOAD (GAL/HR):	4.8
REF EXH STACK DIAMETER (IN):	10	PISTON SPD @ RATED ENG SPD (FT/MIN):	1,692.9
MAX OPERATING ALTITUDE (FT):	4,429		

INDUSTRY	SUB INDUSTRY	APPLICATION
OIL AND GAS	LAND PRODUCTION	OIL FIELD
OIL AND GAS	LAND DRILLING	OIL FIELD

General Performance Data Top

ENGINE SPEED	ENGINE POWER	ENGINE TORQUE	BRAKE MEAN EFF PRES (BMEP)	BRAKE SPEC FUEL CONSUMPTN (BSFC)	VOL FUEL CONSUMPTN (VFC)	INLET MFLD PRES	INLET MFLD TEMP	EXH MFLD TEMP	EXH MFLD PRES	ENGINE OUTLET TEMP
RPM	BHP	LB-FT	PSI	LB/BHP-HR	GAL/HR	IN-HG	DEG F	DEG F	IN-HG	DEG F
1,200	1,475	6,456	272	0.333	70.2	69.4	136.0	1,086.7	67.8	744.9
1,100	1,386	6,617	279	0.326	64.5	69.9	136.5	1,051.8	60.1	732.8
1,000	1,291	6,779	286	0.325	59.9	68.0	136.7	1,070.2	51.6	766.5
900	1,189	6,941	293	0.329	55.9	61.5	137.3	1,149.9	41.6	820.6
800	677	4,448	188	0.344	33.3	23.1	145.2	1,170.9	15.5	924.5
700	454	3,405	144	0.344	22.3	10.9	144.2	1,037.1	7.7	848.2
600	286	2,502	106	0.340	13.9	5.4	136.9	820.4	4.0	699.0
450	121	1,407	59	0.358	6.2	1.5	135.8	556.4	1.7	501.0

ENGINE SPEED	ENGINE POWER	COMPRESSOR OUTLET PRES	COMPRESSOR OUTLET TEMP	WET INLET AIR VOL FLOW RATE	ENGINE OUTLET WET EXH GAS VOL FLOW RATE	WET INLET AIR MASS FLOW RATE	WET EXH GAS MASS FLOW RATE	WET EXH VOL FLOW RATE (32 DEG F AND 29.98 IN HG)	DRY EXH VOL FLOW RATE (32 DEG F AND 29.98 IN HG)
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RPM	BHP	IN-HG	DEG F	CFM	CFM	LB/HR	LB/HR	FT3/MIN	FT3/MIN
1,200	1,475	69	429.1	3,259.9	7,591.7	14,233.8	14,725.1	3,098.8	2,830.7
1,100	1,386	70	398.0	3,112.7	7,088.5	13,429.6	13,881.3	2,922.7	2,690.0
1,000	1,291	68	379.1	2,803.3	6,589.4	12,135.6	12,555.2	2,642.3	2,434.5
900	1,189	62	363.8	2,351.7	5,826.9	10,240.8	10,631.8	2,237.7	2,048.4
800	677	23	237.5	1,189.4	3,238.3	5,231.5	5,464.4	1,150.3	1,042.4
700	454	11	160.6	821.7	2,046.0	3,498.1	3,654.1	769.2	697.3
600	286	6	118.8	622.6	1,364.1	2,652.8	2,750.1	578.8	528.9
450	121	2	101.5	414.7	745.4	1,769.5	1,812.6	381.5	355.6

Heat Rejection Data Top

ENGINE SPEED	ENGINE POWER	REJECTION TO JACKET WATER	REJECTION TO ATMOSPHERE	REJECTION TO EXH	EXHUAUST RECOVERY TO 350F	FROM OIL COOLER	FROM AFTERCOOLER	WORK ENERGY	LOW HEAT VALUE ENERGY	HIGH HEAT VALUE ENERGY
RPM	BHP	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN
1,200	1,475	23,896	6,510	50,685	24,344	8,026	16,826	62,556	150,697	160,530
1,100	1,386	21,651	6,205	46,746	22,207	7,378	14,157	58,774	138,527	147,566
1,000	1,291	19,716	6,363	44,377	21,924	6,851	11,843	54,736	128,621	137,013
900	1,189	19,854	7,122	40,929	21,134	6,384	9,339	50,437	119,867	127,689
800	677	13,758	7,339	24,341	13,439	3,805	1,948	28,730	71,436	76,097
700	454	10,383	6,085	15,022	7,753	2,548	231	19,244	47,841	50,963
600	286	6,135	4,649	9,027	4,014	1,587	-194	12,119	29,795	31,739
450	121	1,612	3,655	3,946	1,115	704	-245	5,113	13,219	14,082

Emissions Data Top

Units Filter All Units 

RATED SPEED POTENTIAL SITE VARIATION: 1200 RPM

ENGINE POWER	BHP	1,475	1,106	738	369	148
PERCENT LOAD	%	100	75	50	25	10
TOTAL NOX (AS NO2)	G/HR	9,015	5,006	2,819	1,414	740
TOTAL CO	G/HR	2,015	1,528	1,247	888	742
TOTAL HC	G/HR	30	85	138	160	219
PART MATTER	G/HR	74.9	88.5	123.8	133.1	70.4
TOTAL NOX (AS NO2)	(CORR 5% O2) MG/NM3	2,818.1	2,083.9	1,656.7	1,478.6	1,440.4
TOTAL CO	(CORR 5% O2) MG/NM3	675.4	655.8	771.6	986.9	1,412.0
TOTAL HC	(CORR 5% O2) MG/NM3	8.7	32.3	73.9	157.7	343.6
PART MATTER	(CORR 5% O2) MG/NM3	21.0	32.4	66.1	126.8	136.6
TOTAL NOX (AS NO2)	(CORR 5% O2) PPM	1,373	1,015	807	720	702
TOTAL CO	(CORR 5% O2) PPM	540	525	617	790	1,130
TOTAL HC	(CORR 5% O2) PPM	16	60	138	294	641
TOTAL NOX (AS NO2)	G/HP-HR	6.16	4.56	3.85	3.87	5.06
TOTAL CO	G/HP-HR	1.38	1.39	1.71	2.43	5.07
TOTAL HC	G/HP-HR	0.02	0.08	0.19	0.44	1.50
PART MATTER	G/HP-HR	0.05	0.08	0.17	0.36	0.48
TOTAL NOX (AS NO2)	LB/HR	19.87	11.04	6.22	3.12	1.63
TOTAL CO	LB/HR	4.44	3.37	2.75	1.96	1.64
TOTAL HC	LB/HR	0.07	0.19	0.30	0.35	0.48
PART MATTER	LB/HR	0.17	0.20	0.27	0.29	0.16

RATED SPEED NOMINAL DATA: 1200 RPM

ENGINE POWER	BHP	1,475	1,106	738	369	148
PERCENT LOAD	%	100	75	50	25	10
TOTAL NOX (AS NO2)	G/HR	7,512	4,172	2,349	1,178	616
TOTAL CO	G/HR	1,119	849	693	493	412
TOTAL HC	G/HR	23	64	104	120	165

TOTAL CO2		KG/HR	694	530	369	204	107
PART MATTER		G/HR	53.5	63.2	88.4	95.1	50.3
TOTAL NOX (AS NO2)	(CORR 5% O2)	MG/NM3	2,348.4	1,736.6	1,380.6	1,232.2	1,200.3
TOTAL CO	(CORR 5% O2)	MG/NM3	375.2	364.4	428.7	548.3	784.5
TOTAL HC	(CORR 5% O2)	MG/NM3	6.6	24.3	55.6	118.6	258.3
PART MATTER	(CORR 5% O2)	MG/NM3	15.0	23.1	47.2	90.6	97.6
TOTAL NOX (AS NO2)	(CORR 5% O2)	PPM	1,144	846	672	600	585
TOTAL CO	(CORR 5% O2)	PPM	300	291	343	439	628
TOTAL HC	(CORR 5% O2)	PPM	12	45	104	221	482
TOTAL NOX (AS NO2)		G/HP-HR	5.13	3.80	3.21	3.22	4.21
TOTAL CO		G/HP-HR	0.76	0.77	0.95	1.35	2.82
TOTAL HC		G/HP-HR	0.02	0.06	0.14	0.33	1.13
PART MATTER		G/HP-HR	0.04	0.06	0.12	0.26	0.34
TOTAL NOX (AS NO2)		LB/HR	16.56	9.20	5.18	2.60	1.36
TOTAL CO		LB/HR	2.47	1.87	1.53	1.09	0.91
TOTAL HC		LB/HR	0.05	0.14	0.23	0.27	0.36
TOTAL CO2		LB/HR	1,530	1,168	814	449	237
PART MATTER		LB/HR	0.12	0.14	0.19	0.21	0.11
OXYGEN IN EXH		%	10.9	12.6	13.5	14.7	16.5
DRY SMOKE OPACITY		%	1.9	2.3	4.0	5.9	3.7
BOSCH SMOKE NUMBER			0.63	0.79	1.46	1.85	1.35

Regulatory Information ^{Top}

EPA TIER 2

2006 - 2010

GASEOUS EMISSIONS DATA MEASUREMENTS PROVIDED TO THE EPA ARE CONSISTENT WITH THOSE DESCRIBED IN EPA 40 CFR PART 89 SUBPART D AND ISO 8178 FOR MEASURING HC, CO, PM, AND NOX. THE "MAX LIMITS" SHOWN BELOW ARE WEIGHTED CYCLE AVERAGES AND ARE IN COMPLIANCE WITH THE NON-ROAD REGULATIONS.

Locality	Agency	Regulation	Tier/Stage	Max Limits - G/BKW - HR
U.S. (INCL CALIF)	EPA	NON-ROAD	TIER 2	CO: 3.5 NOx + HC: 6.4 PM: 0.20

Altitude Derate Data ^{Top}

ALTITUDE CORRECTED POWER CAPABILITY (BHP)

AMBIENT OPERATING TEMP (F)	50	60	70	80	90	100	110	120	130	NORMAL
ALTITUDE (FT)										
0	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475
1,000	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475
2,000	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,474	1,475
3,000	1,475	1,475	1,475	1,475	1,475	1,475	1,469	1,443	1,419	1,475
4,000	1,475	1,475	1,475	1,475	1,464	1,438	1,413	1,389	1,365	1,475
5,000	1,475	1,475	1,462	1,434	1,408	1,383	1,359	1,335	1,313	1,475
6,000	1,460	1,432	1,405	1,379	1,354	1,330	1,306	1,284	1,262	1,440
7,000	1,403	1,376	1,350	1,325	1,301	1,278	1,256	1,234	1,213	1,394
8,000	1,348	1,322	1,297	1,273	1,250	1,228	1,206	1,186	1,165	1,348
9,000	1,295	1,270	1,246	1,223	1,201	1,179	1,159	1,139	1,119	1,304
10,000	1,243	1,219	1,196	1,174	1,153	1,132	1,112	1,093	1,074	1,261
11,000	1,193	1,170	1,148	1,127	1,106	1,086	1,067	1,049	1,031	1,218
12,000	1,144	1,122	1,101	1,081	1,061	1,042	1,024	1,006	989	1,177
13,000	1,097	1,076	1,056	1,036	1,017	999	982	965	948	1,137
14,000	1,052	1,031	1,012	993	975	958	941	925	909	1,098
15,000	1,007	988	969	951	934	917	901	886	871	1,059

Cross Reference [Top](#)

Engine Arrangement			
Arrangement Number	Effective Serial Number	Engineering Model	Engineering Model Version
2644641	LLF00001	E885	-
3863026	PE400001	EE179	-
3863026	SRF00001	EE179	XJ

Test Specification Data			
Test Spec	Setting	Effective Serial Number	Engine Arrangement
OK7020	LL5743	LLF00001	2644641
4369368	LL6557	PE400001	3863026
4576949	GG1221	SRF00001	3863026

General Notes [Top](#)**DM8277 - 02**

SOUND PRESSURE DATA FOR THIS RATING CAN BE FOUND IN PERFORMANCE NUMBER - DM8779

Supplementary Data [Top](#)

Type	Classification	Performance Number
SOUND	SOUND PRESSURE	<u>DM8779</u>

Performance Parameter Reference [Top](#)**Parameters Reference: DM9600 - 08****PERFORMANCE DEFINITIONS****PERFORMANCE DEFINITIONS DM9600****APPLICATION:**

Engine performance tolerance values below are representative of a typical production engine tested in a calibrated dynamometer test cell at SAE J1995 standard reference conditions. Caterpillar maintains ISO9001:2000 certified quality management systems for engine test facilities to assure accurate calibration of test equipment. Engine test data is corrected in accordance with SAE J1995. Additional reference material SAE J1228, J1349, ISO 8665, 3046-1:2002E, 3046-3:1989, 1585, 2534, 2288, and 9249 may apply in part or are similar to SAE J1995. Special engine rating request (SERR) test data shall be noted.

PERFORMANCE PARAMETER TOLERANCE FACTORS:

Power +/- 3%
Torque +/- 3%
Exhaust stack temperature +/- 8%
Inlet airflow +/- 5%
Intake manifold pressure-gage +/- 10%

Exhaust flow +/- 6%
Specific fuel consumption +/- 3%
Fuel rate +/- 5%
Specific DEF consumption +/- 3%
DEF rate +/- 5%
Heat rejection +/- 5%
Heat rejection exhaust only +/- 10%
Heat rejection CEM only +/- 10%

Heat Rejection values based on using treated water.

Torque is included for truck and industrial applications, do not use for Gen Set or steady state applications.

On C7 - C18 engines, at speeds of 1100 RPM and under these values are provided for reference only, and may not meet the tolerance listed.

These values do not apply to C280/3600. For these models, see the tolerances listed below.

C280/3600 HEAT REJECTION TOLERANCE FACTORS:

Heat rejection +/- 10%
Heat rejection to Atmosphere +/- 50%
Heat rejection to Lube Oil +/- 20%
Heat rejection to Aftercooler +/- 5%

TEST CELL TRANSDUCER TOLERANCE FACTORS:

Torque +/- 0.5%
Speed +/- 0.2%
Fuel flow +/- 1.0%
Temperature +/- 2.0 C degrees
Intake manifold pressure +/- 0.1 kPa

OBSERVED ENGINE PERFORMANCE IS CORRECTED TO SAE J1995 REFERENCE AIR AND FUEL CONDITIONS.

REFERENCE ATMOSPHERIC INLET AIR

FOR 3500 ENGINES AND SMALLER

SAE J1228 AUG2002 for marine engines, and J1995 JAN2014 for other engines, reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity at the stated aftercooler water temp, or inlet manifold temp.

FOR 3600 ENGINES

Engine rating obtained and presented in accordance with ISO 3046/1 and SAE J1995 JANJAN2014 reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity and 150M altitude at the stated aftercooler water temperature.

MEASUREMENT LOCATION FOR INLET AIR TEMPERATURE

Location for air temperature measurement air cleaner inlet at stabilized operating conditions.

REFERENCE EXHAUST STACK DIAMETER

The Reference Exhaust Stack Diameter published with this dataset is only used for the calculation of Smoke Opacity values displayed in this dataset. This value does not necessarily represent the actual stack diameter of the engine due to the variety of exhaust stack adapter options available. Consult the price list, engine order or general dimension drawings for the actual stack diameter size ordered or options available.

REFERENCE FUEL**DIESEL**

Reference fuel is #2 distillate diesel with a 35API gravity; A lower heating value is 42,780 KJ/KG (18,390 BTU/LB) when used at 29 (84.2), where the density is 838.9 G/Liter (7.001 Lbs/Gal).

GAS

Reference natural gas fuel has a lower heating value of 33.74 KJ/L (905 BTU/CU Ft). Low BTU ratings are based on 18.64 KJ/L (500 BTU/CU FT) lower heating value gas. Propane ratings are based on 87.56 KJ/L (2350 BTU/CU Ft) lower heating value gas.

ENGINE POWER (NET) IS THE CORRECTED FLYWHEEL POWER (GROSS) LESS EXTERNAL AUXILIARY LOAD

Engine corrected gross output includes the power required to drive standard equipment; lube oil, scavenge lube oil, fuel transfer, common rail fuel, separate circuit aftercooler and jacket water pumps. Engine net power available for the external (flywheel) load is calculated by subtracting the sum of auxiliary load from the corrected gross flywheel output power. Typical auxiliary loads are radiator cooling fans, hydraulic pumps, air compressors and battery charging alternators. For Tier 4 ratings additional Parasitic losses would also include Intake, and Exhaust Restrictions.

ALTITUDE CAPABILITY

Altitude capability is the maximum altitude above sea level at standard temperature and standard pressure at which the engine could develop full rated output power on the current performance data set.

Standard temperature values versus altitude could be seen on TM2001.

When viewing the altitude capability chart the ambient temperature is the inlet air temp at the compressor inlet.

Engines with ADEM MEUI and HEUI fuel systems operating at conditions above the defined altitude capability derate for atmospheric pressure and temperature conditions outside the values defined, see TM2001.

Mechanical governor controlled unit injector engines require a

setting change for operation at conditions above the altitude defined on the engine performance sheet. See your Caterpillar technical representative for non standard ratings.

REGULATIONS AND PRODUCT COMPLIANCE

TMI Emissions information is presented at 'nominal' and 'Potential Site Variation' values for standard ratings. No tolerances are applied to the emissions data. These values are subject to change at any time. The controlling federal and local emission requirements need to be verified by your Caterpillar technical representative.

Customer's may have special emission site requirements that need to be verified by the Caterpillar Product Group engineer.

EMISSIONS DEFINITIONS:

Emissions : DM1176

HEAT REJECTION DEFINITIONS:

Diesel Circuit Type and HHV Balance : DM9500

HIGH DISPLACEMENT (HD) DEFINITIONS:

3500: EM1500

RATING DEFINITIONS:

Agriculture : TM6008

Fire Pump : TM6009

Generator Set : TM6035

Generator (Gas) : TM6041

Industrial Diesel : TM6010

Industrial (Gas) : TM6040

Irrigation : TM5749

Locomotive : TM6037

Marine Auxiliary : TM6036

Marine Prop (Except 3600) : TM5747

Marine Prop (3600 only) : TM5748

MSHA : TM6042

Oil Field (Petroleum) : TM6011

Off-Highway Truck : TM6039

On-Highway Truck : TM6038

SOUND DEFINITIONS:

Sound Power : DM8702

Sound Pressure : TM7080

Date Released : 7/7/15

Systems Data

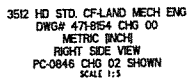


May 29, 2017
For Help Desk Phone
Numbers [Click Here](#)

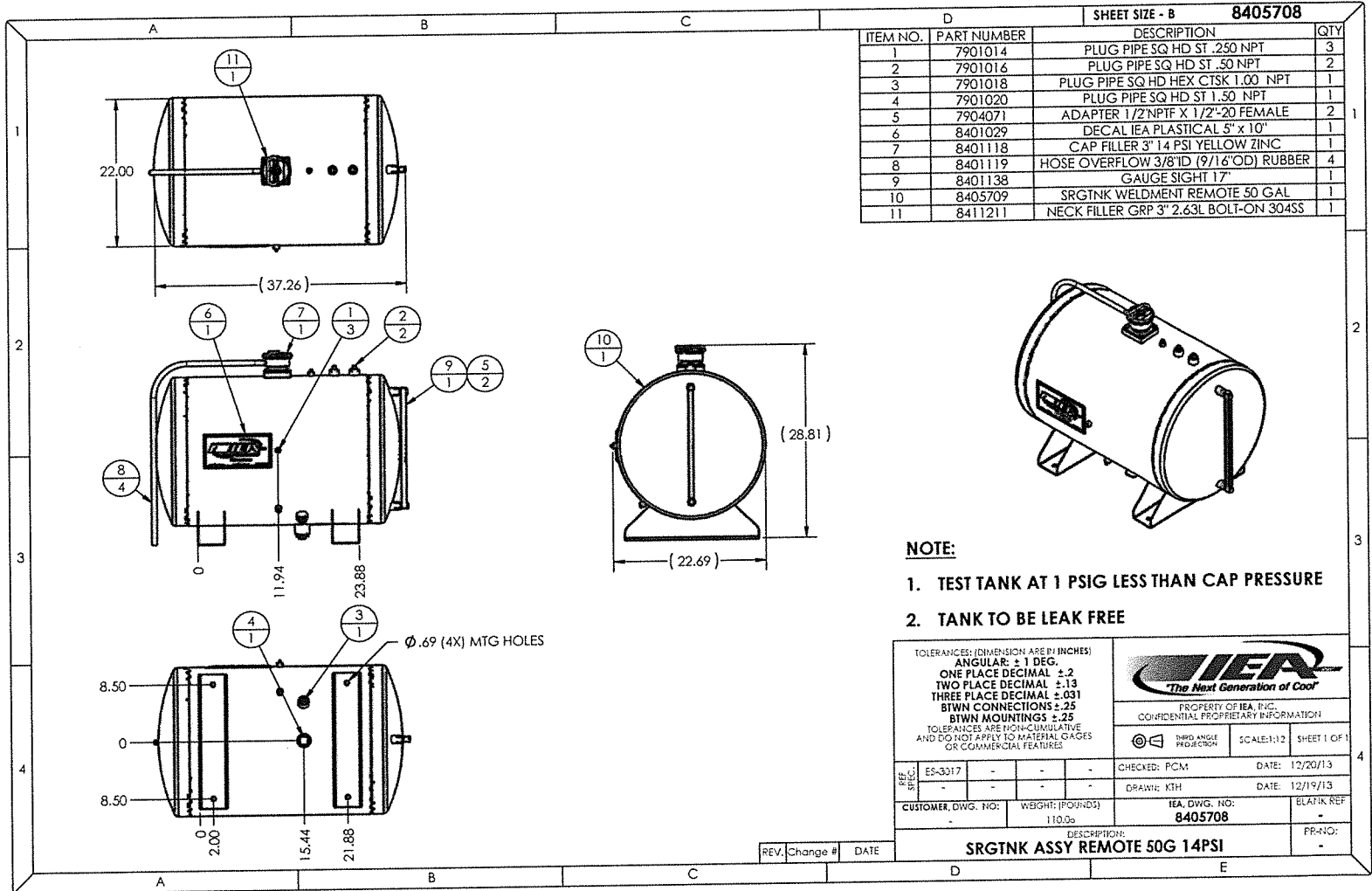
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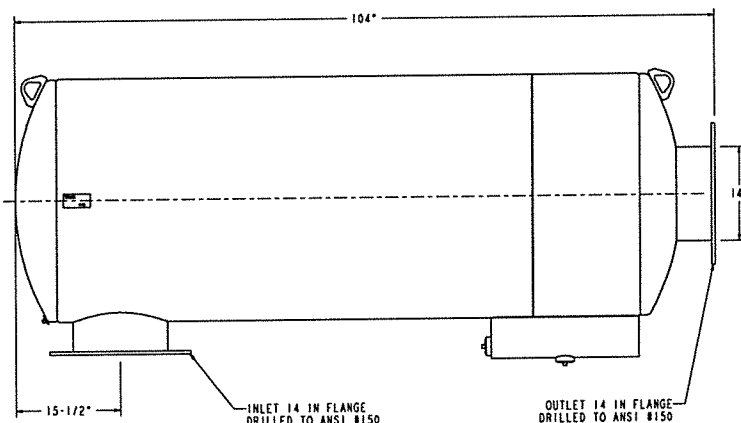
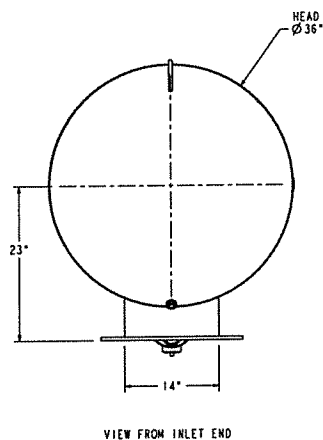
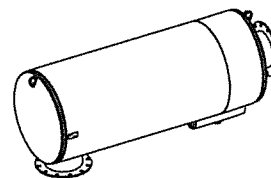
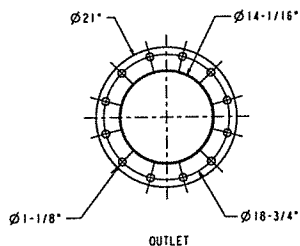
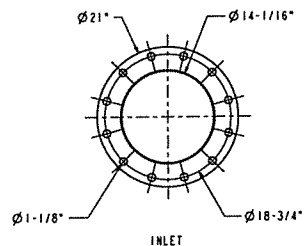
AIR INTAKE SYSTEM		
<i>THE INSTALLED SYSTEM MUST COMPLY WITH THE SYSTEM LIMITS BELOW FOR ALL EMISSIONS CERTIFIED ENGINES TO ASSURE REGULATORY COMPLIANCE.</i>		
MAXIMUM ALLOWABLE INTAKE RESTRICTION WITH CLEAN ELEMENT	15	IN-H2O
MAXIMUM ALLOWABLE INTAKE RESTRICTION WITH DIRTY ELEMENT	25	IN-H2O
COOLING SYSTEM		
ENGINE ONLY COOLANT CAPACITY	41.4	GAL
MAXIMUM ALLOWABLE JACKET WATER OUTLET TEMPERATURE	210	DEG F
MINIMUM ALLOWABLE AFTERCOOLER COOLANT FLOW	102.5	G/MIN
MAXIMUM AFTERCOOLER INLET TEMPERATURE WITH 50/50 GLYCOL MIX	122	DEG F
MAXIMUM ALLOWABLE AFTERCOOLER COOLANT FLOW	114.9	G/MIN
REGULATOR LOCATION FOR JW (HT) CIRCUIT	OUTLET	
MAXIMUM UNINTERRUPTED FILL RATE	5.0	G/MIN
ENGINE SPEC SYSTEM		
CYLINDER ARRANGEMENT	VEE	
NUMBER OF CYLINDERS	12	
CYLINDER BORE DIAMETER	6.7	IN
PISTON STROKE	8.5	IN
TOTAL CYLINDER DISPLACEMENT	3574	CU IN
STANDARD CRANKSHAFT ROTATION FROM FLYWHEEL END	CCW	
STANDARD CYLINDER FIRING ORDER	1-12-9-4-5- 8-11-2-3- 10-7-6	
NUMBER 1 CYLINDER LOCATION	RIGHT FRONT	
STROKES/COMBUSTION CYCLE	4	
EXHAUST SYSTEM		
<i>THE INSTALLED SYSTEM MUST COMPLY WITH THE SYSTEM LIMITS BELOW FOR ALL EMISSIONS CERTIFIED ENGINES TO ASSURE REGULATORY COMPLIANCE.</i>		
MAXIMUM ALLOWABLE SYSTEM BACK PRESSURE	27	IN-H2O
MANIFOLD TYPE	DRY	
MAXIMUM ALLOWABLE STATIC WEIGHT ON EXHAUST CONNECTION	72.8	LB
MAXIMUM ALLOWABLE STATIC BENDING MOMENT ON EXHAUST CONNECTION	35.4	LB-FT
FUEL SYSTEM		
MAXIMUM FUEL FLOW FROM TRANSFER PUMP TO ENGINE	332.9	G/HR
MAXIMUM ALLOWABLE FUEL SUPPLY LINE RESTRICTION	8.9	IN-HG
MAXIMUM ALLOWABLE FUEL TEMPERATURE AT TRANSFER PUMP	151	DEG F

INLET		
MAXIMUM FUEL FLOW TO RETURN LINE FROM ENGINE	322.3	G/HR
MAXIMUM ALLOWABLE FUEL RETURN LINE RESTRICTION	8.0	IN-HG
NORMAL FUEL PRESSURE IN A CLEAN SYSTEM	60.2	PSI
FUEL SYSTEM TYPE	EUI	
MAXIMUM TRANSFER PUMP PRIMING LIFT WITHOUT PRIMING PUMP	12.1	FT
MAXIMUM HEAT REJECTION TO FUEL	540	BTU/MIN
LUBE SYSTEM		
CRANKCASE VENTILATION TYPE	TO ATM	
MOUNTING SYSTEM		
CENTER OF GRAVITY LOCATION - X DIMENSION - FROM REAR FACE OF BLOCK - (REFERENCE TM7077)	34.7	IN
CENTER OF GRAVITY LOCATION - Y DIMENSION - FROM CENTERLINE OF CRANKSHAFT - (REFERENCE TM7077)	8.5	IN
CENTER OF GRAVITY LOCATION - Z DIMENSION - FROM CENTERLINE OF CRANKSHAFT - (REFERENCE TM7077)	0.0	IN
STARTING SYSTEM		
MINIMUM CRANKING SPEED REQUIRED FOR START-RPM	120	




	1E20648	IDENT
	1E20722C	DRAWING
	1E20190W	BRAND MARKINGS
	1E20130	CONFIDENTIALITY
	1E2012A	INTERPRETATION
2	1E2011	INTPR & DOC
Category: Confidential Green		
	press	print
	RECORDS	
	ORDERED BY: SPECIFIED	SEARCHED INDEXED
	SERIALIZED FILED IN	FBI - JACKSON
	3-20-64	JUN 10 1964
	APPROVED FOR RELEASE	DATE 11-10-10
	DECLASSIFICATION	BY SP4 DJS/ML
	CATALOG# W407	
CATERPILLAR		
INSTALLATION-ENGINE		
13512 (LAND MECHANICAL)		
A71-R154 (SERIAL 707)		





NOTES:

1. MATERIAL CARBON STEEL.
2. SILENCER IS DESIGNED TO SUPPORT OWN WEIGHT ONLY.
3. STANDARD MAXIM CONSTRUCTION TOLERANCE APPLY ($\pm 1/4"$).
4. ALL WELDED CONSTRUCTION.
5. DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED.		DRAWING TYPE: SALES		 <div> Maxim Silencers, Inc. 25435 Highway 100 St. Louis, MO 63117 Ph (314) 552-2880 Fax (314) 552-2880 www.maximsilencers.com </div>	
TOLERANCES APPLY ON CRITICAL DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/8" - 1/4" FINE, 1/4" - 1/2" MEDIUM, 1/2" - 1" COARSE 1/8" - 1/4" FINE, 1/4" - 1/2" MEDIUM, 1/2" - 1" COARSE		DRAWN BY: YF	DATE: 09/15/09		
(1/2) WELD - CONICAL DIMENSION		APPROVED BY:	DATE:	TITLE: SILENCER CRITICAL GRADE SPARK ARRESTOR 14 MSA22 C SI	
THE INFORMATION HEREIN IS THE PROPERTY OF MAXIM SILENCERS, INC. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM MAXIM SILENCERS, INC.		REV: 1	EST. WEIGHT: 684 LBS	DRAWING NO.: MSA22-MC2	REV: 00
THIRD ANGLE PROJECTION		ORDER:	SHIP DATE:	PROJECT/SALES ORDER NO:	REVISIONS: 1 OF 1

DURAWELD® KEEL COOLER
MANUFACTURED BY
EAST PARK RADIATOR & BATTERY SHOP, INC.

Louisiana CAT
Attn: Don Emerson

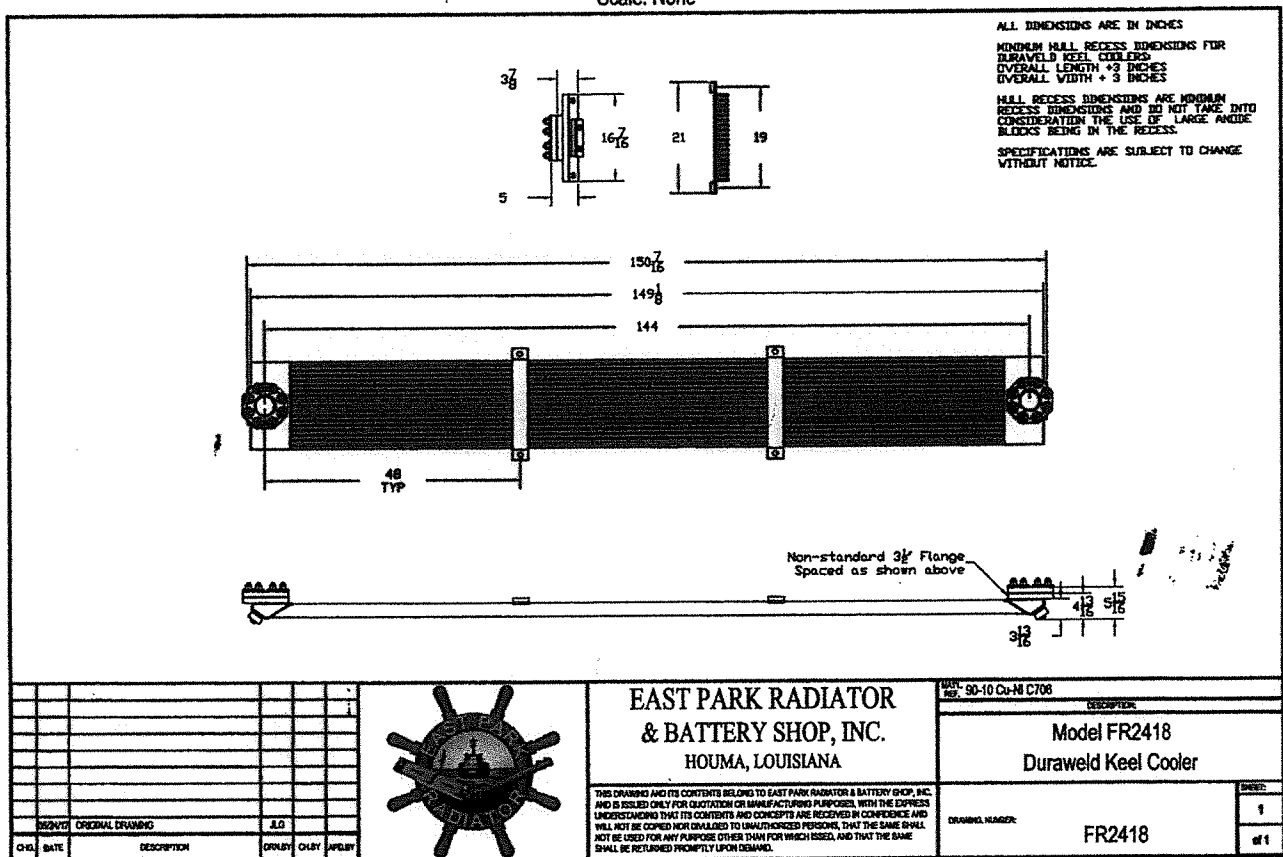
The DURAWELD® KEEL COOLERS were sized based on the information supplied and summarized below.

A clean tube factor of 1.25 was used in the sizing of the coolers.
The following information was determined, using 85° F seawater.

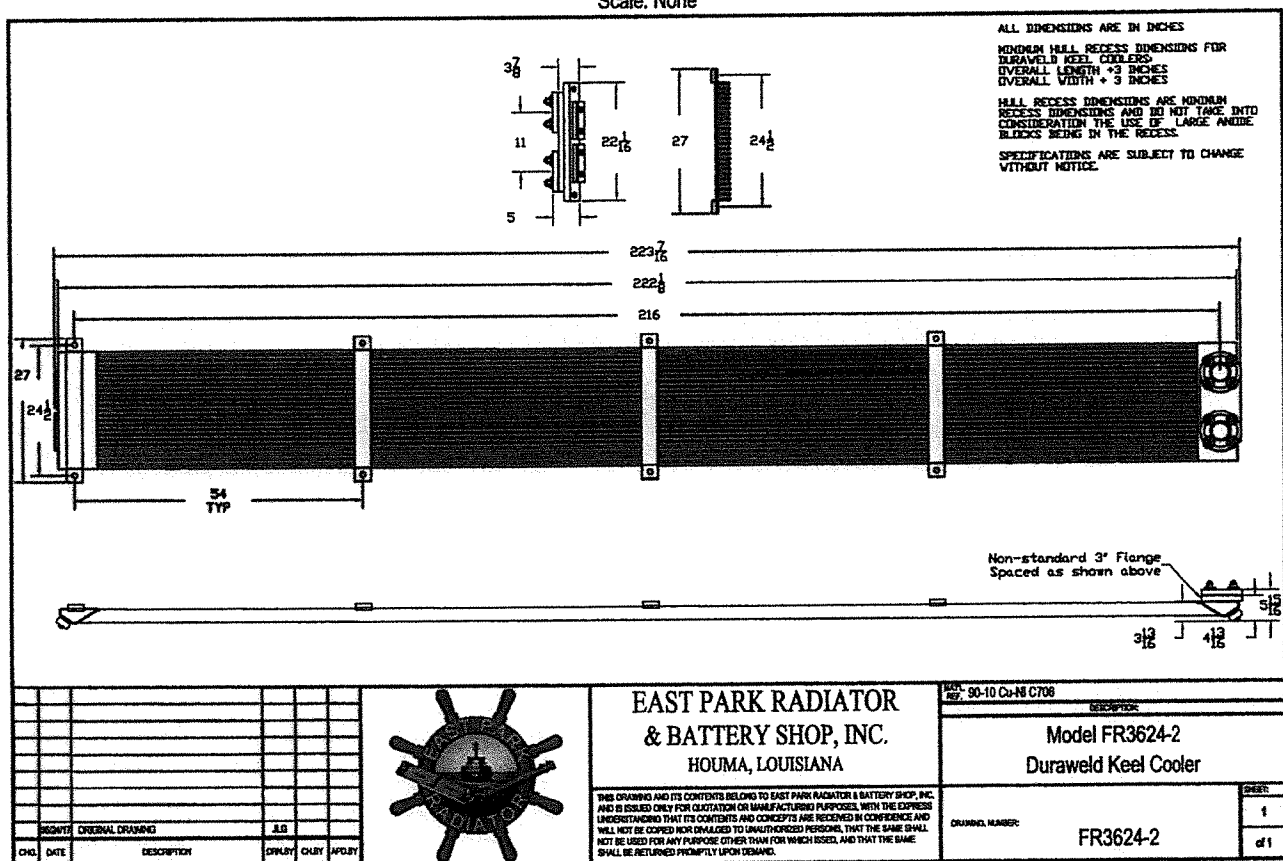
Equipment	Mfg.	Model	Rating	Heat Rej.	Flow Rate	T _{IN}	Min. ΔT	T _{OUT}
Main Engine				(BTU/min)	GPM	°F	°F	°F
Jacket Water	CAT	3512C (Tier 2)	1475 HP @ 1200 RPM	23,896	290/449	190.0	11.7	178.3
Min. Hull Speed	0 Knots		DURAWELD® KEEL COOLERS	ΔP _{min}	ΔP _{max}			
		1 Per Engine	Model FR2418	2.1 psi	4.7 psi			
Aftercooler	CAT	3512C (Tier 2)	1475 HP @ 1200 RPM	16,826	100/128	145.8	23.8	122.0
Min. Hull Speed	0 Knots		DURAWELD® KEEL COOLERS	ΔP _{min}	ΔP _{max}			
		1 Per Engine	Model FR3624-2	1.5 psi	2.5 psi			

Note: DURAWELD® KEEL COOLERS are sized for use with 50% antifreeze.
DURAWELD® KEEL COOLERS sized for 0 Knots are based on ½ MPH convection current.
DURAWELD® KEEL COOLERS sized for 0 Knots are not to be recessed, unless the recess is inclined a minimum of 20° degrees.
Maximum allowable working pressure of DURAWELD® KEEL COOLERS is 30 psi.
Verify engine data prior to ordering.
Note: If different sizing options are needed, please do not hesitate to contact us.

Scale: None



Scale: None





la MARCHÉ
ISO 9001:2000 CERTIFIED

A40 / A40F

Engine Starting Battery Charger Without / With Filtering



“Constavolt”

Engine Starting Battery Charger

The La Marche model A40/A40F battery chargers are renowned throughout the industry as the Constavolt because of their reliability and their precise and constant output voltage to charge your batteries. The Constavolt is a completely automatic, solid state, constant voltage battery charger built to carry continuous and intermittent loads up to 80% of its maximum rated output capacity. It is ideal for applications where it is advantageous to have the charger permanently connected across the battery, keeping it charged at all times and to simultaneously carry continuous and/or intermittent current loads such as onboard peripheral equipment.

Standard Features

- Magnetic Amplifier Circuitry
- Automatic DC Voltage Regulation
- Automatic AC Input Voltage Compensation +/- 10%
- Automatic Surge Suppression
- AC input and DC output fusing protects battery and charger
- Analog DC Ammeter
- DC Current Limiting Circuitry
- Charger design prevents battery from discharging if AC line fails
- AC to DC Isolation
- Model A40F is filtered for Valve-Regulated batteries
- A40/A40F models are UL 1564 Listed & C-UL Listed
- 10-Year Limited Warranty

Environmental

- Operating Temperature: 0 to 50° C (32 to 122° F)
Storage Temperature: -40 to 85° C (-40 to 185° F)
Relative Humidity: 0 to 95% non-condensing

A40 / A40F Models

Model Number All Models Available As A40F		DC Output			AC Input Current Draw* at 100% Load (Amps)			A40 Case No.	A40 Shipping Weight (Approximate)		A40F Case No.	A40F Shipping Weight (Approximate)	
		Amps	Volts	Fuse Size	A 120	D 208	B 240		lbs	kgs		lbs	kgs
12VDC 6L, 9 or 10NC	A40-10-12V	10	12V	20A	2.5	1.4	1.3	05	30	13.6	2	46	20.9
	A40-20-12V	20	12V	35A	5	2.9	2.5	2	54	24.5	7	66	30.0
	A40-30-12V	30	12V	50A	7.5	4.3	3.8	2	65	29.5	3	90	40.9
	A40-40-12V	40	12V	70A	10	5.8	5	2	74	33.6	4	133	60.5
	A40-60-12V	60	12V	100A	15	8.7	7.5	7	98	44.5	6	168	76.4
	A40-75-12V	75	12V	130A	19	11	9.4	3	123	55.9	6	187	85.0
	A40-100-12V	100	12V	150A	26	15	13	6	165	75.0	8A	260	118.2
24VDC 12L, 19 or 20NC	A40-10-24V	10	24V	20A	5	2.9	2.5	2	61	27.7	7	73	33.2
	A40-20-24V	20	24V	35A	10	5.8	5	2	72	32.7	7	84	38.2
	A40-30-24V	30	24V	50A	15	8.7	7.5	7	98	44.5	3	117	53.2
	A40-40-24V	40	24V	70A	21	12	10	7	105	47.7	3	136	61.8
	A40-60-24V	60	24V	100A	31	18	15	3	150	68.2	4	213	96.8
	A40-75-24V	75	24V	130A	38	22	19	3	210	95.5	6	274	124.5
	A40-100-24V	100	24V	150A	51	29	26	8A	300	136.4	8A	374	170.0
32VDC 16L	A40-10-32V	10	32V	20A	6.7	3.9	3.3	2	61	27.7	7	73	33.2
	A40-20-32V	20	32V	35A	14	7.7	6.7	2	72	32.7	3	90	40.9
	A40-30-32V	30	32V	50A	21	12	10	7	98	44.5	3	117	53.2
	A40-40-32V	40	32V	70A	27	16	14	3	140	63.6	4	187	85.0
	A40-60-32V	60	32V	100A	41	24	21	3	170	77.3	6	234	106.4
	A40-75-32V	75	32V	130A	51	29	26	8A	250	113.6	8A	291	132.3
130 VDC 60L / 92NC	A40-10-130V	10	130V	20A	26	15	13	3	155	70.5	4	183	83.2
	A40-20-130V	20	130V	35A	51	29	26	6	175	79.5	6	181	82.3
	A40-30-130V	30	130V	50A	76	44	38	8A	330	150.0	8A	343	155.9

All above models designed for optimal performance at 60Hz. They will operate at 50Hz with reduced performance. Consult factory for units designed specifically at 50Hz. Please consult factory for other available cell ranges if desired range not shown. *AC Current Draws based @ 100% load and standard battery cells of 6L(12V),12L(24V),16L(32V),60L(130V). Maximum Current Draw is typically 140% of ratings shown.

Case Specifications

Case No.	Overall Dimensions						Cable Entry (when facing unit)		Mounting
	Width		Depth		Height		AC input	DC output	
	in	mm	in	mm	in	mm			
05	8.000	203	7.000	178	13.000	330	BOTTOM RIGHT	BOTTOM RIGHT	WALL
1	10.375	264	7.875	200	16.250	413	RIGHT	LEFT	WALL
2	12.812	326	10.000	254	17.125	435	RIGHT	LEFT	WALL
3	15.375	391	11.000	279	23.750	603	RIGHT	LEFT	WALL/FLOOR
4	19.000	483	15.000	381	25.875	657	RIGHT/TOP/BOTTOM	LEFT/TOP/BOTTOM	WALL/FLOOR/RACK
6	25.580	650	13.935	354	28.000	711	RIGHT/TOP/BOTTOM	LEFT/TOP/BOTTOM	WALL/FLOOR
7	14.250	362	10.625	270	19.875	505	RIGHT	LEFT	WALL/FLOOR
8A	27.200	691	15.250	387	32.500	826	RIGHT	LEFT	FLOOR

Case sizes may differ depending on optional accessories. Please consult factory when dimensions are critical. Dimensions shown above are overall footprint. Detailed dimension drawings are available for mounting purposes.

Model Number Nomenclature

A40(F) - 10 - 12V - () () 1 - () - ()				Factory Assigned Accessory Code
Model Number	DC Amps	DC Volts	Special Frequency When Required*	
A40 - Unfiltered	A - 120		5 - 50Hz	12V - 6L, 9N, 10N
A40F - Filtered	D - 208		* 60Hz standard unless special code is entered	24V - 12L, 19N, 20N
AC Phase Codes	B - 240			32V - 16L
1 - Single Phase				130V - 60L, 92N

Optional External Charge Dividers

Model Number	Number of Batteries	DC Range		Case No.	Shipping Weight (Approximate)	
		Amps	Volts		lbs	kgs
CD40-20/30-12/32-N2	2	10-30	12-32	05	10	4.5
CD40-20/30-12/32-N3	3	10-30	12-32	05	11	5.0
CD40-40/60-12/32-N2	2	40-60	12-32	1	14	6.4
CD40-40/60-12/32-N3	3	40-60	12-32	1	15	6.8
CD40-75/100-12/32-N2	2	75-100	12-32	2	23	10.4
CD40-75/100-12/32-N3	3	75-100	12-32	2	25	11.3

Note: All above models are configured for Negative Common. For Positive Common, part number changes as follow: CD40-20/30-12/32-P2.

Optional Internal Charge Dividers

- 100 To charge 2 batteries with a negative common
- 10U To charge 2 batteries with a positive common
- 101 To charge 3 batteries with a negative common
- 10V To charge 3 batteries with a positive common

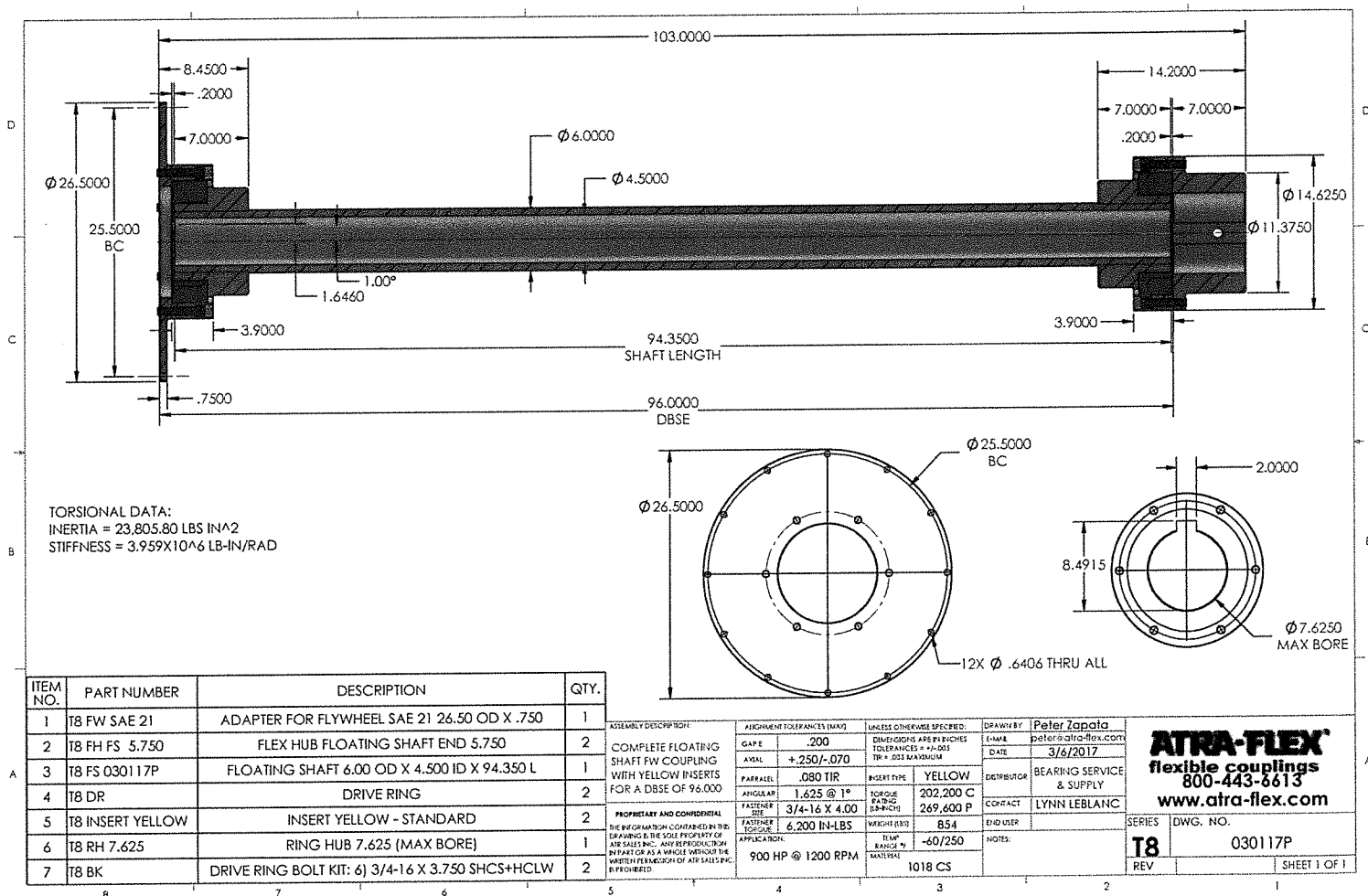
Note: Consult factory may increase case size.

Battery Charger Sizing Guidelines

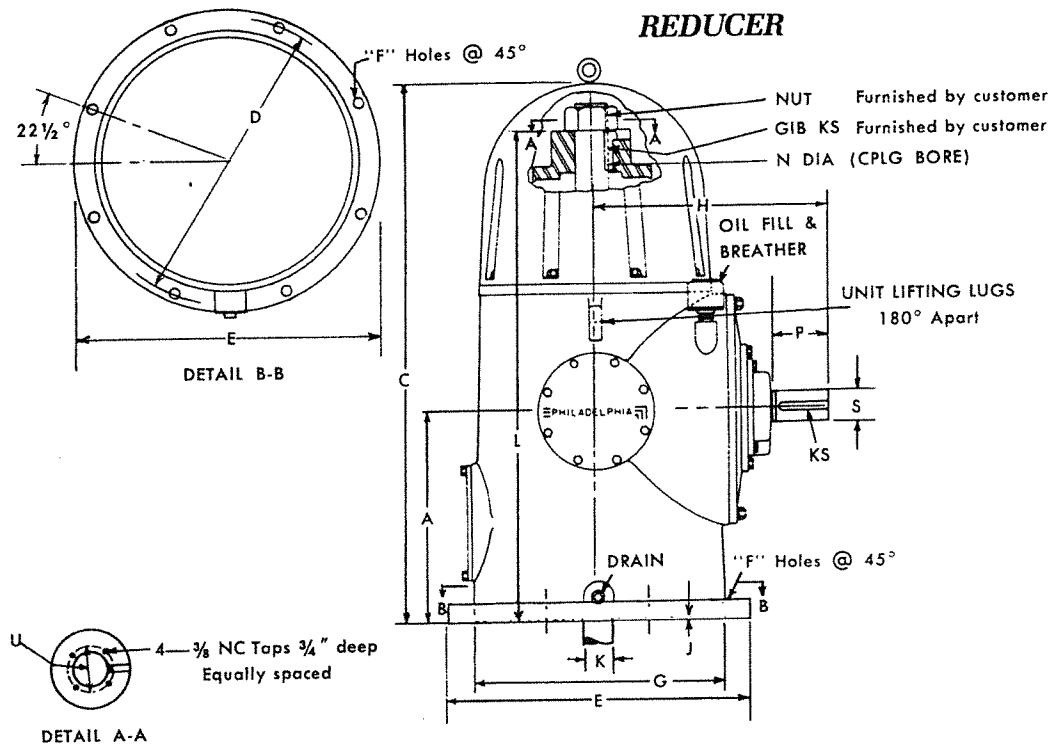
- Required Battery Backup Time (Hours)
- DC Output Voltage
- Ampere Hour Capacity of Battery
- Allowable Recharge Time From Full Discharge (Hours), Where Applicable
- Continuous and Intermittent DC Loads (Amps) and Duration (Time)

Ordering Information When ordering, please specify:

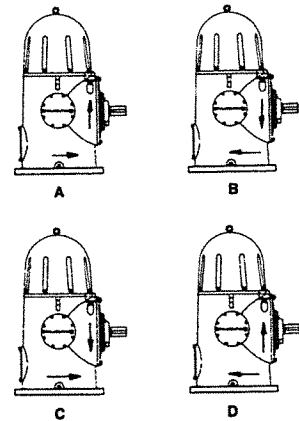
- La Marche Model Number A40 or A40F
- DC Amps
- DC Volts
- Special Frequency, When Required
- AC Voltage Code
- AC Phase Code
- Battery Cell Type Code
- Optional Accessories (Option Code)



Dimensions



**HAND OF
ASSEMBLY
(Rotation)**



UNIT SIZE	A	C	D	E	F	G	H	J	L	N	Gib K S	F	K S	U	Approx. Wgt. Lbs.
15FP	18	46	24½	26½	8-15/16	21½	19½	¼	42	3	¾ x 1/8	4 ¾	5/8 x 7/16	3	1450
18FP	20	51	27	29	8-15/16	24	22	¼	46 ¾	3¼	¾ x 3/16	5	¾ x 3/8	3¾	2400
21FP	23	59	32	35	8-1/8	28	25	¼	53¼	3¾	7/8 x 7/16	5 ¾	¾ x 3/8	4	2900
24FP	27	66	35½	38½	8-1/8	31	27½	¼	60 ¾	4¼	1 x 1/2	5¾	7/8 x 7/16	5	4200
27FP	31	72	40½	44	8-1/4	36	32	¼	66½	4¾	1¼ x 7/16	6 ½	1 x 1/2	5½	4600
32FP	31½	78	45½	49	8-1¼	41	38½	¼	72	5¼	1¼ x 7/16	7½	1 x 1/2	6	5700
36FP	32½	86½	50½	54½	8-1¼	45½	38	¾	81	5¾	1½ x 1/2	7¾	1¼ x 7/16	6½	6400
40FP*	36	91½	55	59	8-1¼	50	41	¾	86	7¾	2 x 3/4	9½	1½ x 1/2	7	7500
44FP*	39	99	59	63	8-1½	54	43½	¾	92½	8	2 x ¾	10½	1¾ x 5/8	7½	9000
48FP*	45	104½	64	68½	8-1½	59	47	¾	98½	8½	2 x ¾	11	1¾ x 5/8	7½	10,000
52FP*	48	113	68½	73	8-1½	63½	50	½	106½	9 ½	2½ x 7/8	12	2 x ¾	8½	12,000
56FP*	51	119½	75	80	8-1¾	69	53	½	113	9 ¾	2½ x 7/8	12½	2 x ¾	9	14,000
60FP*	55	128	80	85	8-1¾	73	56	½	121	10	2½ x 7/8	13	2 x ¾	9½	16,000
64FP*	59	138½	85	90	8-1¾	77½	59	½	129½	10 1/8	2½ x 7/8	13¼	2½ x 7/8	10	19,000
68FP*	63	146	91	97	8-2	83	62	½	138½	10 3/8	2½ x 7/8	13¾	2½ x 7/8	10½	22,000
72FP*	67	153½	95½	101½	8-2	87½	65½	½	146	10¾	2½ x 7/8	14	2½ x 7/8	11	25,000

Shaft projection diameters + .000 — .001 inches tolerance.

Standard Rotations per Figures A & B

Not to be used for Construction unless Certified.

*Models 40 FP and larger: Dimensions shown are for reference only. Consult factory for exact dimensions.

UNIT SIZE	INPUT SHAFT S RATIO			PUMP SHAFT K
	<1.75	1.75 < 4.5	>4.50	
15	3.500	2.625	1.875	3.500
18	4.125	3.000	2.250	4.125
21	4.625	3.500	2.500	4.625
24	5.375	4.000	2.750	5.375
27	5.875	4.500	3.000	5.875
32	6.750	5.000	3.500	6.750
36	7.500	5.625	4.000	7.500
40	7.875	6.000	4.500	7.875

UNIT SIZE	INPUT SHAFT S RATIO			PUMP SHAFT K
	<1.75	1.75 < 4.5	>4.50	
44	8.375	6.750	5.000	8.375
48	9.000	7.000	5.250	9.000
52	9.500	7.500	5.500	9.500
56	10.125	7.875	5.750	10.125
60	10.625	8.250	6.000	10.625
64	11.125	8.750	6.250	11.125
68	11.625	9.000	6.500	11.625
72	12.250	9.500	7.000	12.250

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) #1 - 06/12/2017 ; #2 - 06/23/2017 ; #3 - 07/10/2017

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of: NINE MILLION SIX HUNDRED EIGHTY

THOUSAND THREE HUNDRED NINETY FIVE - Dollars (\$ 9,680,395.00)
AND ZERO CENTS

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

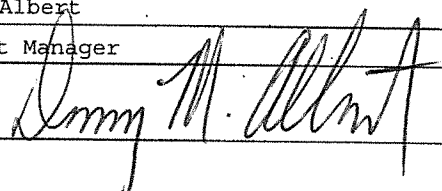
NAME OF BIDDER: BLD Services, LLC

ADDRESS OF BIDDER: 2424 Tyler Street
Kenner, LA 70062

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 46722

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Danny Albert

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: Project Manager

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: 07/13/2017

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by L.A RS 38:2218.A is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 635,000.00	\$ 635,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 125,000.00	\$ 125,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 115.00	\$ 13,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 4,500.00	\$ 4,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 1,700.00	\$ 1,700.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 50.00	\$ 46,875.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 40.00	\$ 41,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 2.00	\$ 2,830.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 20.00	\$ 110,800.00

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 110.00	\$ 18,700.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 140.00	\$ 11,900.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 3,000.00	\$ 6,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 25.00	\$ 16,625.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 1,500.00	\$ 1,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 2,350.00	\$ 864,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 15,000.00	\$ 75,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 100,000.00	\$ 100,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 625,000.00	\$ 625,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 42.00	\$ 147,840.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 2,000.00	\$ 78,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 3,500.00	\$ 3,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	\$1,500.00	\$1,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	\$100.00	\$21,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 7,500.00	\$ 7,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 5,000.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 40,000.00	\$ 40,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	\$125,000.00	\$125,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	\$775.00	\$244,125.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 1,050,000.00	\$ 1,050,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 7.00	\$ 79,870.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 13.00	\$ 65,130.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 800.00	\$ 512,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 320,000.00	\$320,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 17,000.00	\$ 17,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 32,000.00	\$ 32,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 525,000.00	\$ 525,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 400,000.00	\$ 400,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 800,000.00	\$ 800,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 575,000.00	\$ 575,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 65,000.00	\$ 65,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 132,000.00	\$ 132,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 80,000.00	\$ 80,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 76,000.00	\$ 76,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 135,000.00	\$ 135,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 26,000.00	\$ 26,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 145,000.00	\$ 145,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 187,000.00	\$ 187,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 108,000.00	\$ 108,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 86,000.00	\$ 86,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 50,000.00	\$ 50,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 300,000.00	\$ 300,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 78,000.00	\$ 78,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 30,000.00	\$ 30,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 4,000.00	\$ 4,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 375,000.00	\$ 375,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 52,000.00	\$ 52,000.00



Louisiana State Licensing Board for Contractors

Contractor Information

Business Name BLD SERVICES, LLC
 Mailing Address 2424 Tyler Street
 Kenner, LA 70062
 Phone Number (504) 466-1344
 Fax Number (504) 461-5971
 Email Address danw@bldllc.net

Active Licenses

License Number 46722
 Type Commercial License
 Status LICENSED
 Effective 12/16/2015
 Expiration 12/15/2018
 First Issued 12/15/2006
 License Number 883857
 Type Residential License
 Status LICENSED
 Effective 07/06/2017
 Expiration 07/06/2018
 First Issued 07/06/2017

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Daniel Prosper Wagner III	ALL
BUSINESS AND LAW	Brad Louis Dutruch	ALL
BUSINESS AND LAW	Daniel Prosper Wagner III	ALL
BUSINESS AND LAW	Daniel Prosper Wagner III	ALL
ELECTRICAL WORK (RESTRICTED)	Daniel Prosper Wagner III	ALL
HEAVY CONSTRUCTION	Daniel Prosper Wagner III	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Daniel Prosper Wagner III	ALL
MECHANICAL WORK (STATEWIDE)	Daniel Prosper Wagner III	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Brad Louis Dutruch	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Daniel Prosper Wagner III	ALL
RESIDENTIAL BUILDING CONTRACTOR	Daniel Prosper Wagner III	ALL
SPECIALTY: LANDFILL GAS AND LEACHATE CONTROL SYSTEMS	Daniel Prosper Wagner III	ALL
SPECIALTY: NAVIGATION VESSELS & MARINE CONSTRUCTION, SALVAGING & EQUIPMENT	Daniel Prosper Wagner III	ALL

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

BLD Services, LLC

as PRINCIPAL, and

Hartford Accident and Indemnity Company

as SURETY, are held

and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent of the Bid Amount

DOLLARS (\$ 5%) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated June 29, 20 17, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 29th day of June, 20 17, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

(Business Address, including Zip Code)

(Partnership)

(SEAL)

(Business Address, including Zip Code)

ATTEST:

BY:

Jimmy M. Allmon P.M.
(Corporate Principal)

BLD Services, LLC

2424 Tyler Street Kenner, LA 70062

(Business Address, including Zip Code)

BY:

AFFIX CORPORATE SEAL

ATTEST:

Tom Jones

Hartford Accident and Indemnity Company

(Corporate Surety)

Hartford Plaza, T-4-47 Hartford, CT 06155

(Business Address, including Zip Code)

Countersigned:

BY:

Cathy P. Grace
Attorney-in-Fact*

BY:

Cathy P. Grace
AFFIX CORPORATE SEAL

Cathy P. Grace, Attorney-in-Fact

State of Louisiana

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD

BOND, T-12

One Hartford Plaza

Hartford, Connecticut 06155

Bond.Claims@thehartford.com

call: 888-266-3488 or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Name: C P GRACE & ASSOCIATES INC

Agency Code: 43-483896

- ☒ Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- ☒ Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- ☒ Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- ☐ Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- ☐ Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- ☐ Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- ☐ Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- ☐ Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, up to the amount of Unlimited :

Cathy P. Grace of BATON ROUGE, Louisiana

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by ☒, and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 6, 2015 the Companies have caused these presents to be signed by its Senior Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray

John Gray, Assistant Secretary

M. Ross Fisher

M. Ross Fisher, Senior Vice President

STATE OF CONNECTICUT

COUNTY OF HARTFORD

ss. Hartford

On this 11th day of January, 2016, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Senior Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Nora M. Stranko

Nora M. Stranko
Notary Public

My Commission Expires March 31, 2018

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of June 29, 2017 Signed and sealed at the City of Hartford.



Kevin Heckman

Kevin Heckman, Assistant Vice President

Producer Compensation Notice




You can review and obtain information on The Hartford's
producer compensation practices at www.thehartford.com
or at 1-800-592-5717.

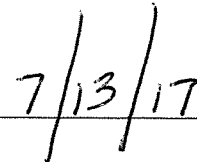


UNANIMOUS MEMBER AND MANAGER RESOLUTION

I, Shirley Jarrell Wagner, the acting Secretary of BLD Services, L.L.C., do hereby certify that the following resolution was duly adopted by all of the members and manager of BLD Services, L.L.C., and that this resolution is in full force and effect as of the date hereof:

RESOLVED, that Danny M. Albert, Project Manager of BLD Services, L.L.C., be and is hereby appointed and designated as Agent and Attorney-in-Fact of BLD Services, L.L.C., with full power and authority to act on behalf of BLD Services, L.L.C., in connection with any and all negotiations, bids, concerns and transactions, including but not limited to the execution of any and all bids, papers, documents, affidavits, bonds, sureties, contracts and acts, and to receive and receipt thereof all purchase orders and notices issued pursuant to the provisions of any such bids or contracts; and further to take any and all actions necessary to carry out the purposes and intents of this resolution; and that the members and manager of BLD Services, L.L.C., therefore, do hereby ratify, confirm, approve and accept each and every act performed by Danny M. Albert as said Agent and Attorney-in-Fact of BLD Services, L.L.C., in furtherance of this resolution.


SHIRLEY JARRELL WAGNER
SECRETARY OF BLD SERVICES, L.L.C.


DATE

BLD SERVICES, LLC
COMPANY RESOLUTION

A meeting of the Members of **BLD Services, LLC** was held on the 13th day of July 2010 at 2424 Tyler Street, Kenner, LA 70062, at which time the Members waived all requirements of notice of the date, time and place, as well as the purpose of the meeting and at which the following resolution was unanimously adopted:

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **MARK STREVA** be and is hereby no longer an authorized agent of **BLD Services, LLC**;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **MARK STREVA** be and is hereby no longer authorized to sign or otherwise execute any contracts or other documents of any kind for or on behalf of **BLD Services, LLC**;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **MARK STREVA** be and is hereby no longer the company Secretary for **BLD Services, LLC**;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **MARK STREVA** be and is hereby no longer the Treasurer for **BLD Services, LLC**;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **SHIRLEY JARRELL WAGNER** be and is hereby named the company Secretary of **BLD Services, LLC**;

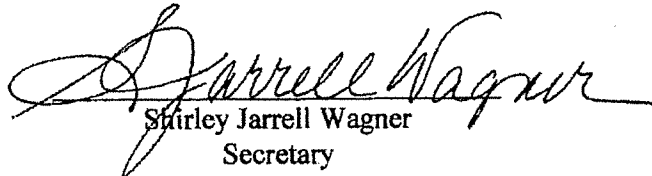
ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **SHIRLEY JARRELL WAGNER** be and is hereby named the Treasurer of BLD Services, LLC;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **SHIRLEY JARRELL WAGNER** be and is hereby authorized to submit bids for private or public contracts, whether it be in or outside the state of Louisiana, for or on behalf of BLD Services, LLC with all of the rights, powers, and authority incumbent thereto;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **SHIRLEY JARRELL WAGNER** be and is hereby authorized to sign or otherwise execute any and all contracts, whether it be in or outside the state of Louisiana, for or on behalf of BLD Services, LLC, with all of the rights, powers, and authority incumbent thereto;

ON MOTION DULY MADE AND SECONDED, IT WAS UNANIMOUSLY RESOLVED that **SHIRLEY JARRELL WAGNER** be and is hereby an authorized agent of BLD Services, LLC, for any and all purposes and with all of the rights, powers, and authority incumbent thereto.

There being no further business before the Members, the meeting was adjourned.

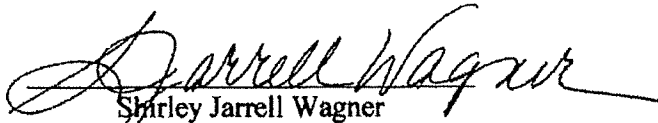

Shirley Jarrell Wagner
Secretary


[Certificate appears on the following page.]

CERTIFICATE

The above and foregoing is a true and correct copy of a Resolution that was unanimously adopted by the Members of BLD SERVICES, LLC at a special meeting of the Members which was held the 13th day of July 2010 at 2424 Tyler Street, Kenner, LA 70062, attended by the Members after they had specifically waived all requirements for notice of the meeting and had consented for any business to be brought up before the meeting; and, since the adoption of this Resolution, it has neither been rescinded, vacated, nor set aside and accordingly remains in full force and effect.

Baton Rouge, Louisiana this 13th day of July, 2010.


Shirley Jarrell Wagner
Secretary


Brad Dutruch, Member


Daniel Miremont, Member

Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: _____
Danny Albert, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Project Manager of BLD Services, LLC (Entity),
the party who submitted a bid in response to Bid Number 50-00119429, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A x

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B x There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

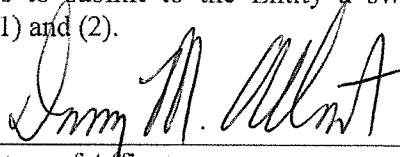
- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).

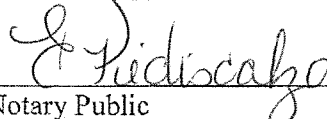


Signature of Affiant

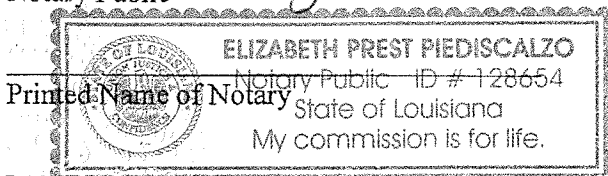
Danny Albert

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 13th DAY OF July, 2017.



Notary Public



Notary/Bar Roll Number

My commission expires AT DEATH

CAMPAIGN CONTRIBUTIONS BLD SERVICES, LLC

JEFFERSON PARISH

1.)	Paul Johnston	\$ 1,000.00	08/05/15
2.)	Mike Yenni	\$ 4,000.00	12/30/15
3.)	Ben Zahn	\$ 2,500.00	05/23/16
4.)	Paul Johnston	\$ 2,500.00	06/07/16
5.)	Ricky Templet	\$ 2,500.00	06/09/16
6.)	Mark Spears	\$ 2,500.00	06/09/16
7.)	Christopher Roberts	\$ 2,500.00	06/19/16
8.)	Jennifer Van Vrancken	\$ 2,500.00	06/09/16
9.)	Ben Zahn	\$ 2,500.00	11/21/16
10.)	Mike Yenni	\$ 1,000.00	02/06/17
11.)	Jack Rizzuto	\$ 1,000.00	06/09/17
12.)	Cynthia Lee-Sheng	\$ 2,500.00	06/20/17

[Print](#)

Notary Search - Detail

Name: MS. ELIZABETH PREST PIEDISCALZO
Address: 53706 SILVER MAPLE LANE
BOGALUSA, LA 70427
Phone: (985) 373-4144
Phone 2: (985) 732-5265
Notary ID Number: 128654
Parish: WASHINGTON with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Non Attorney
Status: Active
Commission Date: 02/22/2012
Oath Date: 02/09/2012
Surety Expiration Date: 02/09/2022
Annual Report Current: Yes

Notary Events

Suspension From: 02/10/2017 To: 04/11/2017

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

06/06/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Brown & Brown of Louisiana, LLC Brown & Brown of Baton Rouge 6300 Corporate Blvd, Ste 250 BATON ROUGE, LA 70809 Barbara Vierck, CIC, CISR	CONTACT NAME: Barbara Vierck, CIC, CISR	
	PHONE (A/C, No, Ext): 225-763-5600	FAX (A/C, No): 225-763-5650
INSURED BLD Services, LLC 2424 Tyler Street Kenner, LA 70062	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: *ZURICH AMERICAN INS CO	NAIC # 16535
	INSURER B: *AIG Specialty Insurance Co	26883
	INSURER C: *AGCS Marine Insurance Company	22837
	INSURER D:	
INSURER E:		
INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		GLO 0171174-02	06/06/2016	12/16/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		BAP 0171173-02	06/06/2016	12/16/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		012013337	06/06/2016	12/06/2017	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> Y N/A	WC 0171175-03	06/06/2017	12/16/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Equipment Leased/ Rented from Others		MX193058893	06/06/2016	12/16/2017	Per Item 400,000 Per Occ 400,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

See Attached.

CERTIFICATE HOLDER

CANCELLATION

BLDSERV BLD Services, LLC 2424 Tyler Street Kenner, LA 70062	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

NOTEPAD:

HOLDER CODE BLDSE-2
INSURED'S NAME BLD Services, LLC

OP ID: MW

PAGE 2

Date 06/06/2017

Project:

Blanket Additional Insured on General Liability and Automobile policies if required by written contract. Blanket Waiver of Subrogation on General Liability, Automobile and Workers' Compensation policies if required by written contract.

Work Comp Policy excludes Brad Dutruch and Daniel Miremont.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. BLD Services, LLC	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ P Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>	
	5 Address (number, street, and apt. or suite no.) 2424 Tyler St	Requester's name and address (optional)
	6 City, state, and ZIP code Kenner, LA 70062	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-				-	
or								
Employer identification number								
7	2		-	1	5	1	2	6 2 5

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶ 	Date ▶ 7/13/17
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships* above.

What is FATCA reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; do not leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account, list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note. ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C Corporation, or S Corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(ii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box in line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box in line 3.

Limited Liability Company (LLC). If the name on line 1 is an LLC treated as a partnership for U.S. federal tax purposes, check the "Limited Liability Company" box and enter "P" in the space provided. If the LLC has filed Form 8832 or 2553 to be taxed as a corporation, check the "Limited Liability Company" box and in the space provided enter "C" for C corporation or "S" for S corporation. If it is a single-member LLC that is a disregarded entity, do not check the "Limited Liability Company" box; instead check the first box in line 3 "individual/sole proprietor or single-member LLC."

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space in line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its Instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note. You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on this page), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code* earlier.

Signature requirements. Complete the certification as indicated in Items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number to Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ²
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor ²
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 2.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

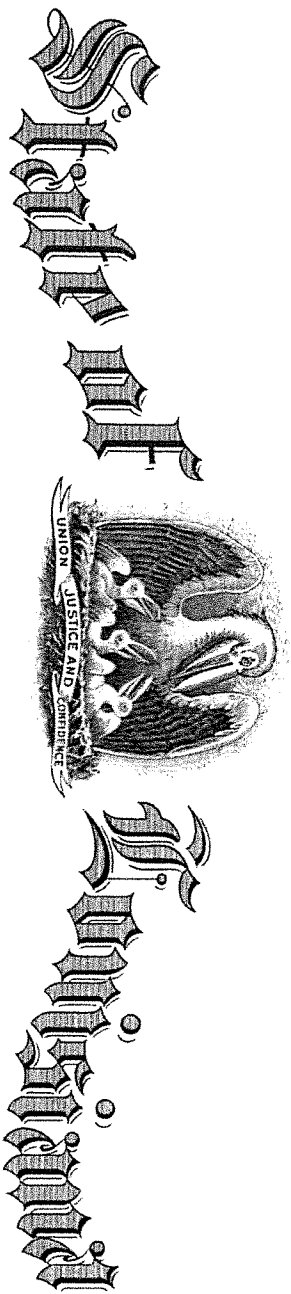
The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.



State Licensing Board for Contractors

This is to Certify that:

BLD SERVICES, LLC
2424 Tyler Street
Kenner, LA 70062

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; ELECTRICAL WORK (RESTRICTED); HEAVY CONSTRUCTION; HIGHWAY,
STREET AND BRIDGE CONSTRUCTION; MECHANICAL WORK (STATEWIDE); MUNICIPAL AND PUBLIC
WORKS CONSTRUCTION; SPECIALTY: LANDFILL GAS AND LEACHATE CONTROL SYSTEMS;
SPECIALTY: NAVIGATION VESSELS & MARINE CONSTRUCTION, SALVAGING & EQUIPMENT



Expiration Date: December 15, 2018

License No: 46722

Witness our hand and seal of the Board dated,
Baton Rouge, LA 16th day of December 2015

Will S. MacP
Director

Joe M. Mott
Chairman

This License Is Not Transferrable

Andy M. Mott
Treasurer

July 10, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

SPECIFICATION 15131 1.02.A

1.11 SUBMITTAL REQUIREMENTS WITH BID

1.02.A – See attached support documents:

Experience Information;

- Partial list Mixed/Axial Flow Pumps 2003 thru 2014 installations
- Reference Installation list dated Nov 28, 2011 – 1978 to 2006 installations
- Press release dated 09-04-07 – USACE Presents Coin of Excellence to Patterson Pump Company

Special Tools;

- No special tools required

1.11 – Submittal Requirements with Bid;

- See attached listing with preliminary outline drawing, curve, and list of exceptions.

General Comment – Spare Parts;

- Pump – no requirement for spare parts was found in the pump specification, none provided.
- Engine – provided per specification, see Engine Scope for details
- Right Angle Gear – provided per specification

ADDITIONAL ITEM;

Copy of Caterpillar/Yancey Brothers quote is attached for clarification of their complete scope of supply.

Specification 15131

Section 1.02.A

Manufacturers Experience

PARTIAL LIST MIXED/AXIAL FLOW PUMPS 2003 THRU 2014

YEAR	MODEL	CUSTOMER	CITY	STATE	Flow	Head	Rpm	Order #
2003	18x24SAFV	ATLANTIC SKANSKA	COVINGTON	GA	9000	15	700	C038448
2006	48x48SAFV	M.A. BONGIOVANNI		MI	74050	11.9	393	C049408
2006	16X18SAFV	TYLERSVILLE FISH CULTURE	LOGANTON	PA	7100	25	380	C055357
2006	20X20SAFV	KUB	KNOXVILLE	TN	12000	51	900	C055636
2006	16X18SAFV	CITY OF DURHAM	DURHAM	NC	9000	43	1180	C055138
2006	33X36SAFV	POTOMAC WATER	POTOMAC	MD	34772	8.5	505	C061241
2006	26X30SAFV	POTOMAC WATER	POTOMAC	MD	24000	34	720	C061242
2006	26X30SAFV	POTOMAC WATER	POTOMAC	MD	24000	14.7	720	C061243
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061840
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061841
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061842
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061843
2007	18SAFV	QUIGG BRANCH PS	COVINGTON	GA	5000	12	705	C065332
2009	12X14SAFV	CITY OF LAUREL WTP	LAUREL	MT	3500	20.5	1175	C086596
2009	26 SAFV	DEVILS LAKE WRF	DEVILS LAK	ND	25000	45	720	C092919
2010	26X36SAFV	LPV109-12A PS 2	NEW ORLEANS	LA	25232	12.5	580	C097837
2010	26X36SAFV	ARCHER WESTERN CONST	NEW ORLEANS	LA	25232	12.5	580	C098736
2010	57X66SAFV	TECHE-VERMILLION FWD	KROTZ SPRINGS	LA	116688	27	320	C098933
2010	26X36SAFV	BAYOU SAVAGE - LPV-111	NEW ORLEANS	LA	25232	12.5	580	C099014
2010	20SAFV-2stg	KUB	KNOXVILLE	TN	13000	30	705	C0100389
2010	42SAFV	BAYOU METO	LITTLE ROCK	AR	56104	23	384	C099669
2010	42X54SAFV	MICHOUD ASSY-NASA	HARAHAN	LA	62500	40	500	C0101477
2011	12X18SAFV	MINTO FISH COLLECTION	GATES	OR	6500	50	1770	C0104925
2011	68X84AFV	HARAHAN PUMP TO RIVER	HARAHAN	LA	179532	9.8	267	C0107561
2011	18X30SAFV	WSCJ/MCALLEEN/EL PICO	LAREDO	TX	14616	36.3	1175	C0108244
2011	12X14SAFV	CITY OF GAINESVILLE	GAINESVILLE	FL	4000	10	880	108297
2012	30X42SAFV	DWU - C10 WTP	DALLAS	TX	35000	25.5	505	C0112458
2012	12SAFV	REYNOLDS - KUB 4TH ST	KNOXVILLE	TN	5400	17.6	1175	C0112886
2014	16SAFV	PEACE RIVER PS	ARCADIA	FL	8340	36	1180	C0127431 *
2014	57X66SAFV	TECHE-VERMILLION FWD	KROTZ SPRINGS	LA	116688	27	320	C0127875 *
2014	16SAFV	GAWA WTP	ST. ALMA	MI	7280	26	880	C0129967 *
2014	16SAFV	GAWA WTP	ST. ALMA	MI	7280	26	880	C0129919 *
2014	12SAFV	FT. POLK NORTH	FORT POLK	LA	5000	26	1200	C0134605 *
2013	159TMF	PCCP	NEW ORLEANS	LA	807894	15.3	102	C0120980 *
2013	113TMF	PCCP	NEW ORLEANS	LA	403947	15.03	144	C0120981 *

* INDICATES PROJECTS UNDER CONSTRUCTION, PUMPS NOT YET IN SERVICE AS OF 02-16-15



November 28, 2011

RE: REFERENCE INSTALLATIONS FOR PATTERSON
VERTICAL MIXED AND AXIAL FLOW PUMPS
FLOW GREATER THAN 100,000 GPM

2006 - LONDON AVENUE PUMP STATION, NEW ORLEANS, LA; USACE PROJECT

*Ms. Missy Arnold, Contracting Officer; (504) 862-1796

*Mr. Dan Bradley; (504) 920-4632

Patterson 68x72SAFV; Design Point; 135,633gpm @ 20.25' TDH
Diesel Driven, Formed Suction Intakes utilized

2004 - CLUTE-LAKE JACKSON WATERSHED, VELASCO DRAINAGE DISTRICT

Mr. Mel McKey, Superintendent; (979) 265-4251

Mr. Douglas Harris, Supervising Engineer; (713) 304-9508

Patterson 96x96AFV, Design Point; 260,000gpm @ 15.1' TDH
Diesel Driven

1999 - Destrehan II P.S.

Destrehan, LA

Mr. Russell Tastet (985) 783-5102

Patterson 72x72AFV, Design point 149,000gpm @ 16' TDH
Diesel Engine Driven

1994 - AQUIRE STEAM STATION, PUERTO RICO

Raw water supply pumps - saltwater duty

Mr. Eduardo Berrios, Power Equipment Inc., (787) 725-5470

Patterson 60x78SAFV; Design Point 141,500gpm @ 40' TDH
Electric Motor Driven

1992 - JUBAIL AND YANBU SEAWATER COOLING PUMP PLANT

JUBAIL SAUDI ARABIA

Mr. Clark Ash, Contract Manager-Bechtel, (03) 341-4181

4 - Patterson 68x78SAFV; Design Point 214,000gpm @ 34' TDH
Electric Motor Driven

1991 - Jean LaFille Pump Station #6

St. Bernard Parish, LA

Mr. Ken Odinet (504) 278-4517

3 - Patterson 72AFV; Design Point 140,000gpm
Diesel Engine Driven

1990 - Bayou Ducross, PS #7

St. Bernard Parish LA

Mr. Ken Odinet (504) 278-4517

3 - Patterson 75x72AFV, Design Point 142,000gpm @ 11.5' TDH
Diesel Engine Driven

1989 - PIGEON CREEK; DIAMOND AVENUE PS; EVANSVILLE, IN; USACE PROJECT

EVANSVILLE LEVEE AUTHORITY

Mr. Jay Perry, Maintenance Supervisor; Levee Authority District; (812) 435-8127

Patterson Pump Company - A Subsidiary of The Gorman-Rupp Company

P.O. Box 790 2129 Ayersville Road Toccoa, Georgia 30577

Phone: (706) 886-2101 Fax: (706) 886-0023



November 29, 2011

Page 2

Patterson 72x72SAFV, Design Point 188,509gpm @ 31.5' TDH
Diesel Engine Driven, Formed Suction Intake utilized

1985 - GAINARD WOODS PROJECT, PLAQUEMINE PARISH, LA, USACE PROJECT

Mr. Stuart Williamson (504) 682-5941

Patterson 72X72AFV; Design Point 128,000gpm @ 15.5' TDH
Electric Motor Driven

1985 - City of San Mateo, CA.

Marina Lagoon Pump Station;

Mr. Tony Baltodano, Office - (650) 483-5839, Cell (650) 483-5839

email at baltodan@cityofsanmateo.org

5 - 72x72AFV, Design Point 150,000 gpm

Diesel Engine Driven

1982 - JEFFERSON PARISH; AMES PUMP STATION/ ELMWOOD PUMP STATION

Mr. Mitch Theriot (504) 736-6751

Patterson 75x84AFV; Design Point 175,032gpm - Ames PS - Electric Motor Driven

Patterson 72x72AFV; Design Point 136,000gpm - Elmwood PS - Electric Motor Driven

1982 - Lake Cataouatche Pump Station #2

Jefferson Parish, LA

Mr. Mitch Theriot (504) 736-6751

2 - Patterson 72x72AFV, Design Point 136,000gpm

Diesel Engine Driven

1979 - Delaware Street P.S.

Evansville, IN

Mr. Jay Perry, Maintenance Supervisor; Levee Authority District, office 812-435-6137;
cell (812) 568-9407

Patterson 57x66SAFV, Design point 113,400gpm

Diesel Engine Driven

1978 - Upper Mill Creek P.S.

Mr. Roy Flynn, P.E.; Louisville MSD, Metro Operations Division; (502) 896-6957

Patterson 72x72SAFV, Design point 173,000 gpm

Diesel Engine Driven

Best Regards,

C. Steve McIntyre

Custom Pump Regional Sales Manager

Patterson Pump Company

706-886-2101

706-297-2877

smcintyre@pattersonpumps.com

9/4/07

FOR IMMEDIATE RELEASE

Patterson Pump Company Accomplishes A 150-Day 'Impossibility' At New Orleans' London Avenue Canal Station

In December of 2006, the U.S. Corps of Engineers changed its flood and storm water control strategy to increase pumping capacity to 5,200 cfs (2,300,000 GPM) with direct drive pumps at the London Avenue Canal, site of two major breaches during Katrina.

There was a problem. The manufacture of eight massive, mixed flow pumps to provide the needed pumping capacity would require 18 to 24 months. The new pumps were needed by mid-August, 2007, the beginning of hurricane season. Pump manufacturers considered the time frame an impossibility.

Subcontractor M.R. Pittman Group of Harahan, LA, through Ronnie Hebert of Environmental Technical Sales (ETEC) of Baton Rouge, approached President Al Huber and Patterson engineers to consider the impact these pumps would make on the critical recovery effort of the Greater New Orleans area. All other members of the recovery team were in place, providing infrastructure and foundational units; only the direct drive pumps were missing.

Patterson made the commitment for the manufacture, delivery and testing of eight special fitted, 68" x 72" SAFV Mixed Flow Pumps in a 150-day period. A contract was awarded on December 22, 2006.

While manufacturing was under way, other recovery team members installed new surge gates, discharge pipes and other foundational units of the pumping station in readiness for pump deliveries. All eight were delivered and installed on schedule.

Lengthy and critical dry-tests were conducted on the pumps during the second week of August, proving them ready for running in water. Wet-tests were conducted the following week and all eight pumps were officially accepted by the U.S. Corps of Engineers on August 15.

Col. Jeffrey Bedey, Commander of the Hurricane Protection Office of the U.S. Corps of Engineers, reflected on the total effort of putting the new pumping station into place with these remarks:

"It was on 15 August that we completed testing here at London Avenue Canal. We ran all eight of these pumps. An unbelievable effort. A team effort. I couldn't be prouder to be part of the team...that made history. Patterson Pump should be proud. They were there all along the way.

"How significant is delivery of eight massive pumps from an industry standard? It should have taken 18-24 months. Talk to any pump manufacturer or engineer who has built pumping stations before. The lead time on pumps of this magnitude is 18-24 months. So, how did Patterson deliver? Because they were committed...to the work going on here in the greater New Orleans area. They understood the significance of what was going on.

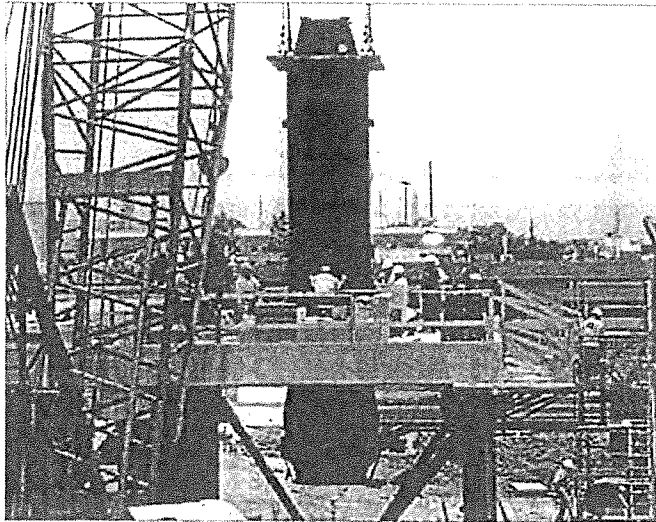
"What we are doing here in New Orleans is about more than just building pumps. It's about restoring the faith and confidence in the people. Not in the U.S. Corps of Engineers, but that inner faith and confidence such that people want to come back to this great community.

"It's not just hurricane protection. It's other things, like bringing schools back, churches back, law and order, the New Orleans Saints in football games. All of those things help to restore that faith and confidence. Patterson understood that. They understood the significance of showing progress.

"Deeds, not words. It's easy to talk, but if you're going to talk the talk, you're going to have to walk the walk. Patterson walked the walk.



*Col. Jeffrey Bedey,
Commander of the Hurricane Protection Office of the U.S. Corps of Engineers*



One of eight Patterson pumps being installed at the London Avenue Canal pumping station.

Mike Pittman, Owner of M.R. Pittman Group, LLC, had this to say about the Patterson feat:

"This challenge to engineer and supply these pumps from conception to delivery was difficult at best and had never been done before.

"Since the day we awarded the contract, Al Huber and his whole group made a commitment to supply and fulfill that order in the time frame specified (150 days). When we issued the contract to Patterson, within 48 hours they were in the production phase for the lead time items in the project.

"Most people thought it couldn't happen, but Al's hands-on, daily involvement and personal touch on this project was probably the instrumental part of why this equipment got here and is operating today."

Patterson President Al Huber was quick to point out the reason for the successful effort:

"The dedication and best efforts of all Patterson personnel was the key to our ability to meet such critical deadlines. It could not have been accomplished without a total team effort—a Patterson trademark."

Patterson Pump Company is a subsidiary of The Gorman-Rupp Company of Mansfield, Ohio.

#

For further information, please contact:

Brian Henry
Advertising Manager
Patterson Pump Company
706-297-2852
bhenry@pattersonpumps.com

"How much confidence do I have in these pumps? They are dry-tested before they are ever put into the water. In total, they are 12-1/2 hours of running in the dry. When these pumps passed that test the level of confidence that they will move water exceeds 99%. I'm here to tell you today that the level of confidence is 100%. We turned every one of those pumps on after they passed the dry-test and they all moved water at their designed capacity.

"22 December - 15 August, from award of contract, delivery of pumps, installation and full testing and acceptance of those pumps. I challenge the engineering community to find a greater example of making things happen.

"Patterson had a strong relationship all the way."



This Commanders Coin of Excellence, Presented to Albert Huber, President of Patterson Pump Company, by Colonel Jeffery Bedey, Commander of HPO, Army Corps of Engineers, New Orleans, in recognition of the Teamwork and Dedication shown in the recovery work of the London Ave. Canal.



Specification 15131

Section 1.11

Submittal Requirements with Bid

July 12, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

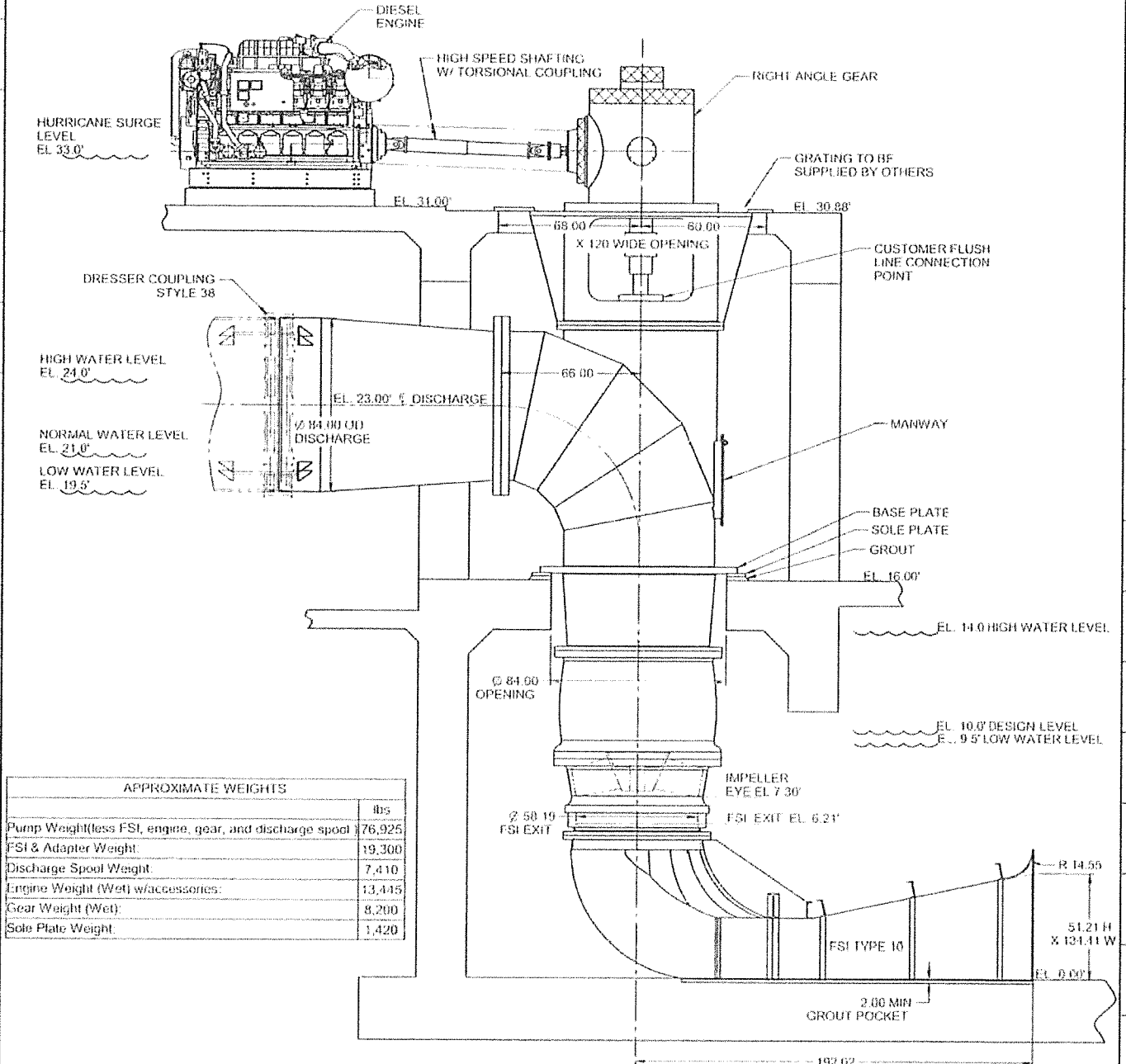
SPECIFICATION 15131

1.11 SUBMITTAL REQUIREMENTS WITH BID

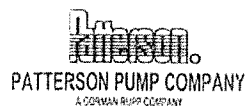
- | | |
|---|---|
| 1. Name of Manufacturer | PATTERSON PUMP COMPANY |
| 2. Preliminary Outline Drawing | See Drawing C04-144844 – attached |
| 3. Guaranteed Performance: | |
| a. Capacity | 350 CFS |
| b. Total Head | 18.4 ft |
| c. NPSH Required | 30.3 ft |
| d. Pump Efficiency | 86.6% |
| e. Pump Speed | 273 rpm |
| 4. Pump Curves | See attached curves(with model test support documents) |
| 5. Lube Water Flow Required | 8 – 11 gpm |
| 6. Lube Water Pressure | 50 psi |
| 7. Weight of entire pump*
adapter) | 78,345 lbs (*does not include FSI and FSI |
| 8. Weight of pull out element | not applicable |
| 9. Weight of rotating element | approximately 7000 lbs |
| 10. WK ² of pump rotating element | 9500 lb-ft ² wet |
| 11. Maximum Hydraulic Downthrust (momentary) | 34,375 lbs |
| 12. Maximum hydraulic downthrust (continuous) | 28,750 lbs |
| 13. Speed Torque Curve | See attached |
| 14. Three Quadrant Curve | See attached |
| 15. User's list
Experience | See attached under 1.02A – Manufacturer's |
| 16. Assembly required after delivery | Pump ships assembled. Sole Plate and FSI ship in advance as they must be installed before the pump. Engine, Gear, interconnecting components, couplings, shafting guards, ancillary devices to engine, etc to be field installed by Contractor or others. |
| 17. Service Rates for additional service | See attached |
| 18. List of special tools supplied | no special tools supplied |
| 19. List of technical and commercial exceptions | see Patterson Proposal |

NOT FOR CONSTRUCTION

JEFFERSON PARISH, LOUISIANA
DRAINAGE CAPITAL PROGRAM MANAGEMENT
DRAINAGE IMPROVEMENTS
PARISH LINE DRAINAGE PUMP STATION IMPROVEMENTS-PHASE 1
JEFFERSON PARISH PUBLIC WORKS PROJECT NO. 2007-023-DR



APPROXIMATE WEIGHTS	
	lbs
Pump Weight(less FSI, engine, gear, and discharge spool)	76,925
FSI & Adapter Weight	19,300
Discharge Spool Weight	7,410
Engine Weight (Wet) w/accessories:	13,445
Gear Weight (Wet)	8,200
Sole Plate Weight	1,420



OUTLINE DIMENSION
FOR
FOR 66X72 TME

DRAW NO C04-144844		REV 0
DRAWN jblackwell		DATE 7/11/2017
SCALE NONE	APPROV BS	SHEET OF 1 1

Patterson Pump Company

Expected Performance Characteristic Curve

New Parish Line Pump Station

Phase 1

Jefferson Parish Department of Drainage

66 x 72 TME at 273 RPM

Design Condition (Guaranteed)

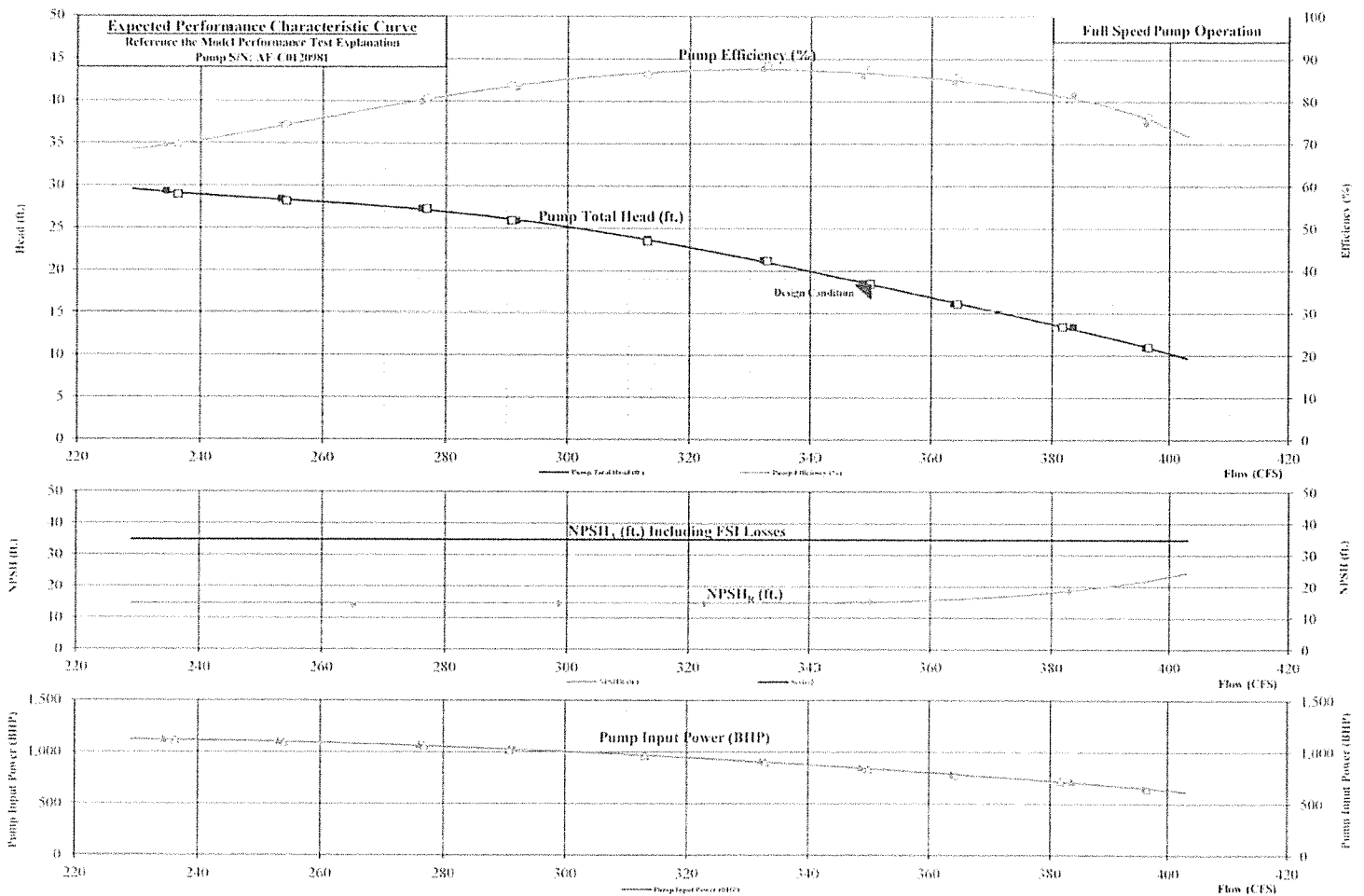
Capacity = 350 CFS

Pump Total Head = 18.1 ft.

Pump Efficiency = 86.6%

NPSH_r = 30.4 ft.

The pump is capable of operating over the entire range specified in Addendum No. 3, Section 45131 "Mixed Flow Vertical Pump", Paragraphs 1.03 "Pump Performance" and 1.04 "Design Conditions".



Model Performance Test Explanation

Reference: AF-C0120981, P.C.C.P. Model Pump Test Report
Model Pump: 24 TMF, 4 Vanes, 22.97 inch Outside Diameter
Model Speed: 920 RPM
Test Date: August 7, 2013

As indicated in the model pump test report, the model pump performance (including internal pump losses) was calculated to be as follows.

Test # 1W

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.11	69.57	273.37
2	18,441.97	42.79	74.20	268.58
3	20,104.34	41.02	79.75	261.11
4	21,237.01	38.95	83.05	251.50
5	22,803.89	35.59	86.37	237.27
6	24,192.51	32.00	87.58	223.24
7	25,383.00	27.80	85.81	207.64
8	26,491.13	24.22	84.21	192.42
9	27,933.87	20.10	81.36	174.23
10	28,809.98	16.48	74.75	160.38

Test # 1WH

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,216.08	43.59	69.71	271.83
2	18,508.67	42.34	74.24	266.54
3	20,165.54	41.01	80.59	259.17
4	21,178.90	38.97	83.70	249.04
5	22,803.89	35.25	86.19	235.54
6	24,243.28	31.84	88.36	220.59
7	25,479.70	27.73	87.56	203.76
8	26,537.40	24.19	85.79	188.96
9	27,801.79	20.10	80.45	175.44
10	28,852.44	16.48	76.14	157.75

Test # 1WA – 1WE

Model Pump NPSHR		
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above data was used to plot a model pump performance characteristic curve included in the model pump test report. For reference only, the model pump performance characteristic curve can be found at the end of this document.

The internal losses of the model pump at the tested flow rates are as indicated below (based on 0.627 feet of losses at 18,452 GPM).

Test # 1W

	Model Pump Losses	
Ref.	GPM	Losses
1	17,072.01	0.537
2	18,441.97	0.626
3	20,104.34	0.744
4	21,237.01	0.831
5	22,803.89	0.958
6	24,192.51	1.078
7	25,383.00	1.186
8	26,491.13	1.292
9	27,933.87	1.437
10	28,809.98	1.529

Test # 1WH

	Model Pump Losses	
Ref.	GPM	Losses
1	17,216.08	0.546
2	18,508.67	0.631
3	20,165.54	0.749
4	21,178.90	0.826
5	22,803.89	0.958
6	24,243.28	1.082
7	25,479.70	1.196
8	26,537.40	1.297
9	27,801.79	1.423
10	28,852.44	1.533

(NOTE: The model pump was tested with a C.O.E. Type 10 FSI. The FSI losses were considered to be system losses, not pump losses.)

Accounting for the pump internal losses, the model pump bowl performance is calculated to be as follows.

Test # 1W

	Model Bowl Performance			
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.65	70.41	273.37
2	18,441.97	43.42	75.29	268.58
3	20,104.34	41.76	81.19	261.11
4	21,237.01	39.78	84.83	251.50
5	22,803.89	36.55	88.71	237.27
6	24,192.51	33.08	90.53	223.24
7	25,383.00	28.98	89.46	207.64
8	26,491.13	25.51	88.69	192.42
9	27,933.87	21.53	87.17	174.23
10	28,809.98	18.01	81.70	160.38

Test # 1WH

	Model Bowl Performance			
Ref.	GPM	Head	Eff	BHP
1	17,216.08	44.13	70.58	271.83
2	18,598.67	42.97	75.35	266.54
3	20,165.54	41.76	82.05	259.17
4	21,178.90	39.80	85.47	249.04
5	22,803.89	36.21	88.53	235.54
6	24,243.28	32.92	91.36	220.59
7	25,479.70	28.92	91.32	203.76
8	26,537.40	25.49	90.40	188.96
9	27,801.79	21.53	86.16	175.44
10	28,852.44	18.02	83.23	157.75

Test # 1WA – 1WE

	Model Pump NPSHR	
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above model bowl performance data can then be mathematically converted to a scaled-up prototype unit with a rated speed of 273 RPM and a model ratio of 2.75 by using the modeling and speed change relationships (modeling equations), as indicated below.

Test # 1W

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.73	70.41	1,123.41
2	113,809.95	28.91	75.29	1,103.74
3	124,068.81	27.81	81.19	1,073.05
4	131,058.82	26.49	84.83	1,033.52
5	140,728.46	24.34	88.71	975.08
6	149,297.92	22.03	90.53	917.40
7	156,644.78	19.30	89.46	853.28
8	163,483.30	16.99	88.69	790.75
9	172,386.77	14.34	87.17	715.98
10	177,793.49	11.99	81.70	659.09

Test # 1WH

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.39	70.58	1,117.08
2	114,221.56	28.61	75.35	1,095.33
3	124,446.50	27.81	82.05	1,065.06
4	130,700.24	26.50	85.47	1,023.43
5	140,728.46	24.11	88.53	967.93
6	149,611.24	21.92	91.36	906.50
7	157,241.52	19.26	91.32	837.35
8	163,768.86	16.97	90.40	776.55
9	171,571.70	14.34	86.16	720.99
10	178,055.53	12.00	83.23	648.27

Test # 1WA – 1WE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype bowl performance data was used as the basis for the submitted expected performance characteristic curve.

The prototype pump internal losses were calculated to be as follows (based on 0.77 feet of losses at 157,090.5 GPM).

Test # 1W

	Prototype Pump Losses	
Ref.	GPM	Losses
1	105,355.60	0.346
2	113,809.95	0.404
3	124,068.81	0.480
4	131,058.82	0.536
5	140,728.46	0.618
6	149,297.92	0.696
7	156,644.78	0.766
8	163,483.30	0.834
9	172,386.77	0.927
10	177,793.49	0.986

Test # 1WH

	Prototype Pump Losses	
Ref.	GPM	Losses
1	106,244.70	0.352
2	114,221.56	0.407
3	124,446.50	0.483
4	130,700.24	0.533
5	140,728.46	0.618
6	149,611.24	0.698
7	157,241.52	0.771
8	163,768.86	0.837
9	171,571.70	0.919
10	178,055.53	0.989

(NOTE: The prototype pump contains a C.O.E. Type 10 FSI. The FSI losses are considered to be system losses, not pump losses.)

Applying the prototype pump internal losses to the scaled-up bowl performance, the prototype pump performance is calculated to be as follows.

Test # 1W

	Prototype Pump Performance			
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.39	69.60	1,123.41
2	113,809.95	28.51	74.24	1,103.74
3	124,068.81	27.33	79.80	1,073.05
4	131,058.82	25.95	83.10	1,033.52
5	140,728.46	23.72	86.45	975.08
6	149,297.92	21.33	87.66	917.40
7	156,644.78	18.53	85.90	853.28
8	163,483.30	16.15	84.32	790.75
9	172,386.77	13.41	81.53	715.98
10	177,793.49	11.01	75.00	659.09

Test # 1WH

Prototype Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.03	69.72	1,117.08
2	114,221.56	28.21	74.29	1,095.33
3	124,446.50	27.33	80.64	1,065.06
4	130,700.24	25.97	83.75	1,023.43
5	140,728.46	23.49	86.24	967.93
6	149,611.24	21.22	88.44	906.50
7	157,241.52	18.49	87.68	837.35
8	163,768.86	16.14	85.96	776.55
9	171,571.70	13.42	80.64	720.99
10	178,055.53	11.01	76.36	648.27

Test # 1WA – 1WE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype pump performance data was used to produce the submitted expected performance characteristic curve.

Patterson Pump Company

Model Pump Performance Characteristic Curve

P.C.C.P.

17th Street Pumping Station

Model Pump for the FUTURE 113 TMF Pumps

24 TMF @ 920 RPM

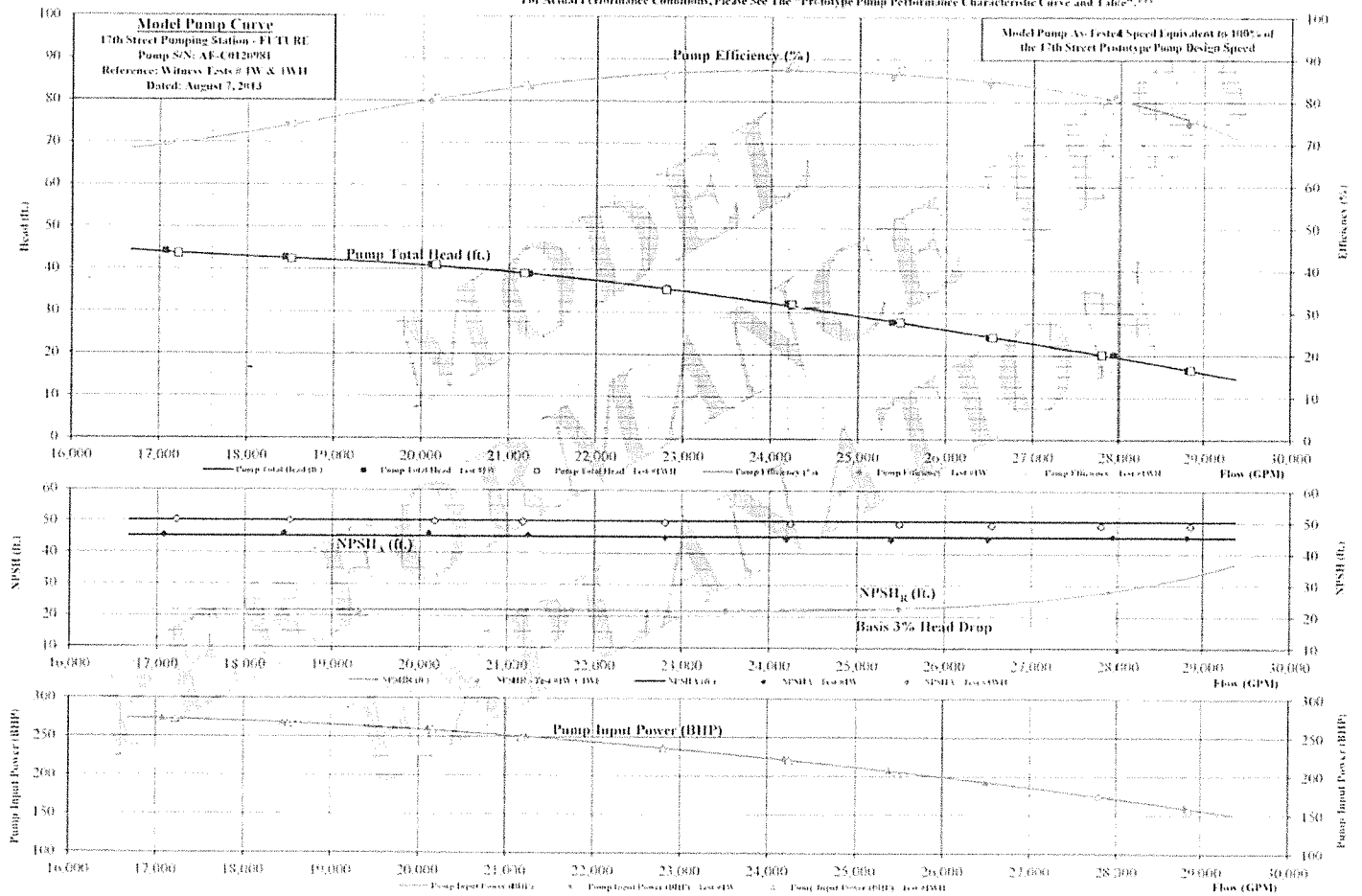
Test No. 1W, Regular Performance Test (Total Suction Head Equivalent to 14.0 feet.)

Test No. 1WB, Positive Pressure Performance Test (Total Suction Head Increased by 5 feet.)

Model Pump As-Tested Speed Equivalent to 100% of the 17th Street Prototype Pump Design Speed

Top Suction Head Case - 23.0 ft.
Protection Head Case - 18.0 ft.

For Actual Performance Conditions, Please See The "Prototype Pump Performance Characteristic Curve and Table".



Patterson Pump Company

Expected Torque vs. Percent Speed Curve

New Parish Line Pump Station

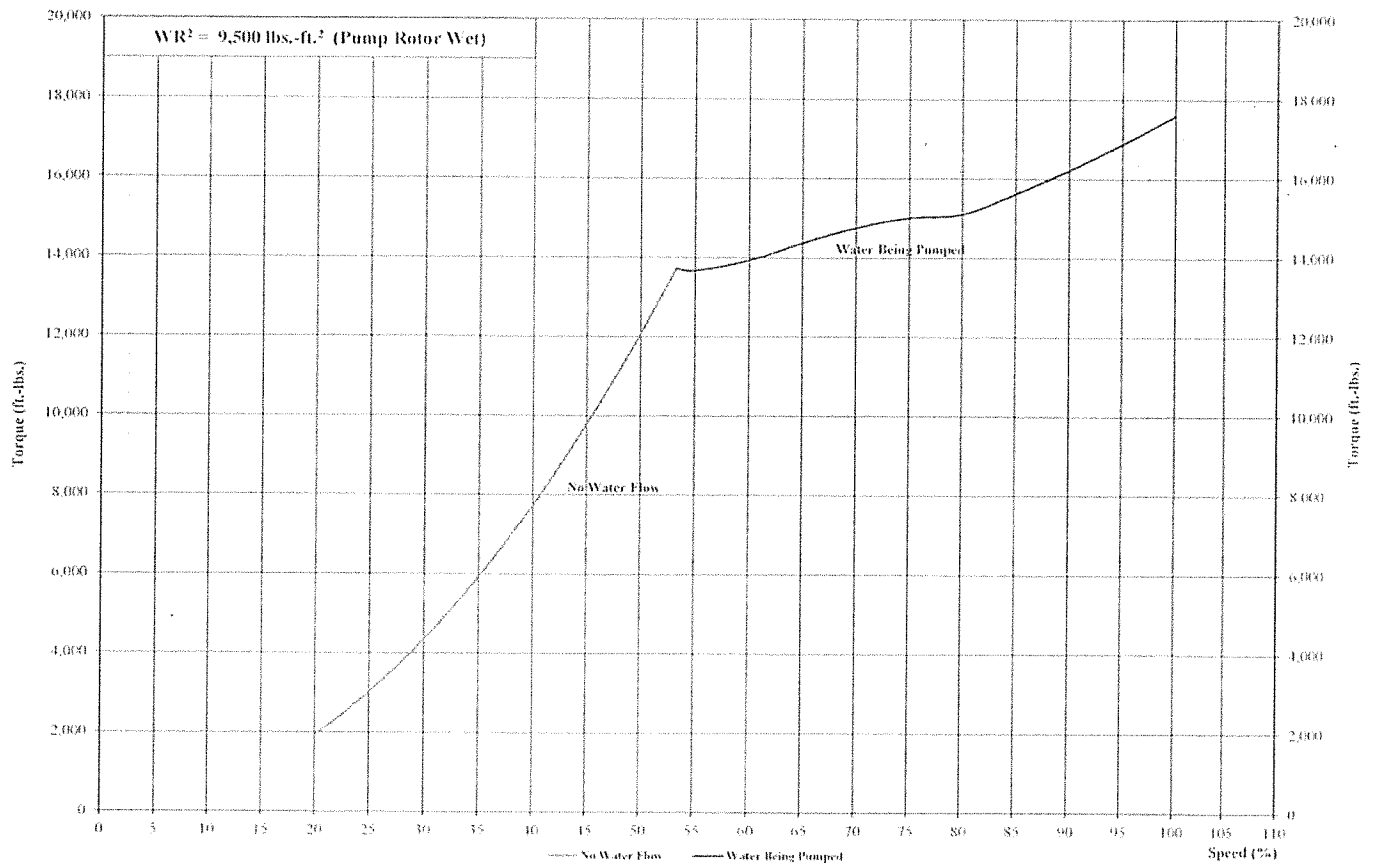
Phase 1

Jefferson Parish Department of Drainage
66 x 72 TMF @ 273 RPM

Expected Torque vs. Percent Speed Curve

Worst-Case Priming Condition

(Suction W.L. Elevation = 9.5 feet)



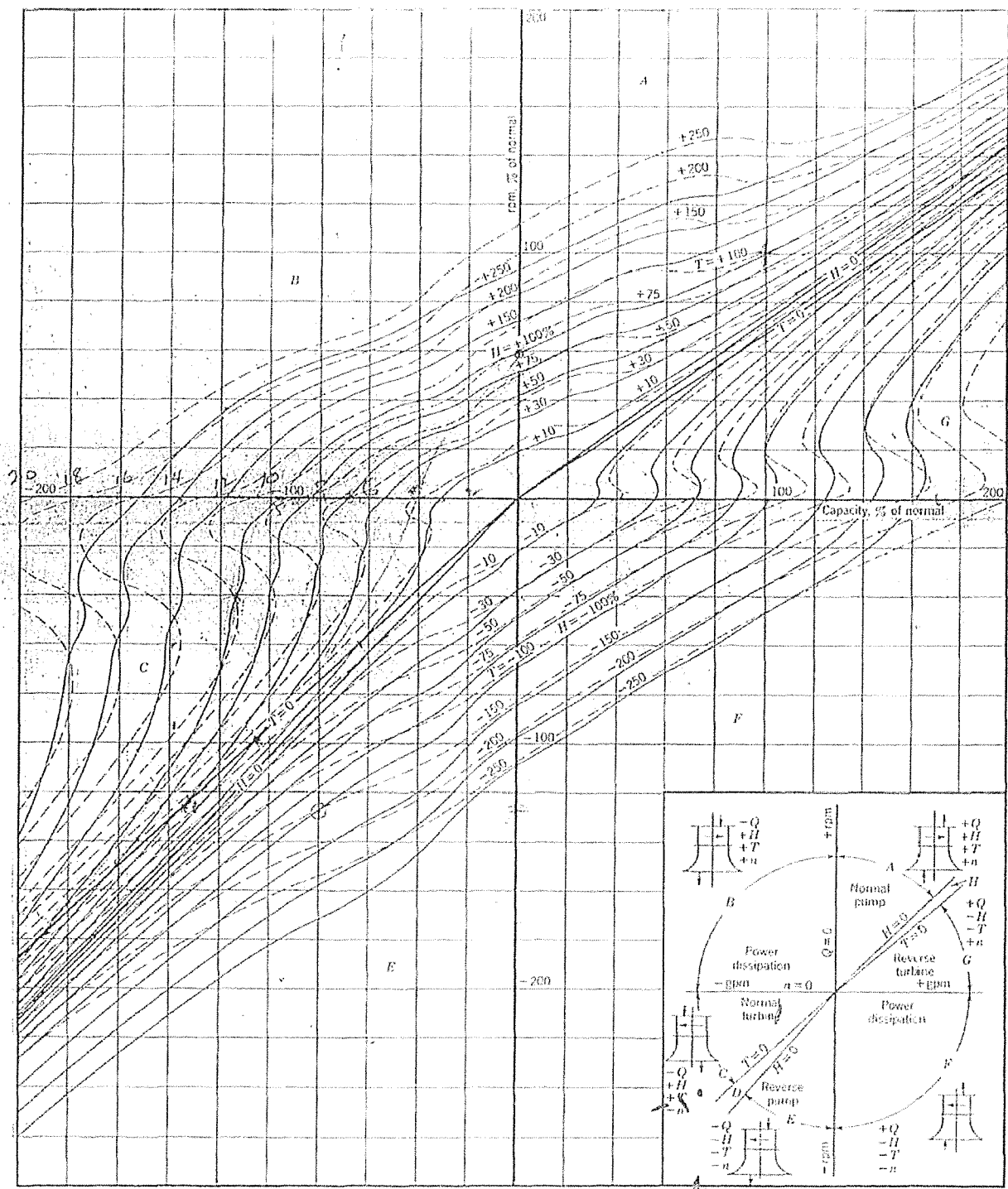


FIG. 13.4. Complete pump characteristics, axial flow pump; $n_s = 13,500$. Data by W. M. Swanson.²⁴

PATTERSON PUMP COMPANY

FP-26

TOCCOA, GA. 30577

**FIELD SERVICE RATES
FOR
THE CONTIGUOUS UNITED STATES
PATTERSON SERVICE TECHNICIAN OR ENGINEER**

***FIELD SERVICE TECHNICIAN** **\$1500.00 Per 8 hr. day**

***ENGINEER** **\$2100.00 Per 8 hr. day**

TRAVEL EXPENSES:

<i>Hotel</i>	<i>@ Cost</i>
<i>Meals</i>	<i>@ Cost</i>
<i>Private or Company Auto</i>	<i>\$.75 per mile</i>
<i>Rental Car</i>	<i>@ Cost</i>
<i>Airfare, train, bus, etc.</i>	<i>@ Cost</i>

All Service Rates are Portal to Portal.

Field Service Rates include the services of one Service Technician. When special equipment or tools such as grinders, welding equipment, etc. must be secured by PPC an ADDITIONAL CHARGE for rental, hauling, labor, and materials must be made. These items will be invoiced at cost.

**Overtime rate and Saturday rate at regular time, plus one-half of daily rates per hour. Sunday rate is at double the daily rate per hour.*

The service rate does not include taxes of any kind or nature. Any and all taxes assessed against PPC will be added to the invoice for the service provided.

Effective date 08/11/15



Yancey Power Systems
259 Lee Industrial Blvd
Austell, GA 30168-7406

770.941.2424 tel
770.941.2411 fax
877.278.6235 toll free
www.YanceyPower.com

Quotation # 17JMH0040-01 – REV 2

Project: 1 - 3512C Diesel Engine - Standby
Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

Page # 1 of 7

Mr. Steve McIntyre
Patterson Pump Company
2129 Ayersville Road
Toccoa, GA 30577

3512C Caterpillar SCAC Diesel Engine (1475hp @ 1200rpm)

Caterpillar Industrial Diesel Engine Model 3512C rated 1475 hp at 1200 rpm. Meets Previous US EPA Tier II emissions levels and will be labeled for EPA Standby Emergency by Caterpillar. It will include the following:

Basic Engine Arrangement

- ♦ Caterpillar 12-cylinder, direct injected, turbocharged, aftercooled diesel engine.
- ♦ 4-stroke-cycle, 170 mm bore x 215 mm stroke (6.7 in bore x 8.5 in stroke).
- ♦ 58.6 Liter (3575 cu. In.)
- ♦ 450rpm low idle.
- ♦ Factory designed systems built at Caterpillar ISO 9001:2000 certified facilities.
- ♦ Separate-circuit aftercooler and optimized for low emissions and Previous EPA Tier II certification.
- ♦ This engine will be built to EPA Tier II standards. Meets Previous US EPA Tier II emissions levels and will be labeled for EPA Standby Emergency by the Caterpillar factory. Exhaust aftertreatment is not provided.
- ♦ Engine rotation is standard (counter-clockwise as viewed from flywheel end).

AIR INLET SYSTEM

- ♦ Aftercooler core, corrosion resistant.
- ♦ Air cleaners, regular duty.
- ♦ Closed Crankcase Ventilation system.
- ♦ Service indicators.
- ♦ Dual, rear mounted, turbos.
- ♦ Emergency air inlet shut offs.

CATERPILLAR SPEED CONTROL & ELECTRONIC CONTROL

- ♦ Caterpillar ADEM A3 ECM, LH mounted.
- ♦ Includes adjustable speed droop capability.
- ♦ Requires 24V DC 10 Amp Continuous, 20 Amp intermittent, clean electrical power.
- ♦ Pneumatic speed control, 10-100 psi – Final connection from air supply provided by others.
- ♦ 2-8D batteries with racks and cables for engine control power. 24 volt. Not for starting. Ship loose for installation by others.
- ♦ Sens 24 volt NRG 24-10 battery charger. Ships loose for installation by others.
- ♦ Additional ship loose Caterpillar ADEM A3 ECM module, pre-programmed and shipped loose.
- ♦ Customer copy of Caterpillar Electronic Technician for electronic engine control module. Does not include computer or connection cables/devices to engine.

CATERPILLAR CONTROL PANEL

- ♦ Electronic Instrument Panel, LH
- ♦ 320 x 240 graphic display.



- ♦ Analog gauges with digital display data for: Engine oil pressure, Engine water temperature, Fuel pressure, System DC voltage, Air inlet restriction, Exhaust temperature (prior to turbochargers) gauge, Fuel filter differential pressure gauge, Oil filter differential pressure gauge, Service meter (digital display only), Tachometer (digital display only), Instantaneous fuel consumption (digital display only), Total fuel consumed (digital display only).
- ♦ Engine start-stop (off, auto start, manual start, cool down timer)

PROTECTION SYSTEM

- ♦ Caterpillar ADEM A3 ECM monitoring system provides engine de-rating, or shutdown strategies to protect against adverse operating conditions.
- ♦ Selected parameters are customer programmable.
- ♦ Status available on engine mounted instrument panel and can be broadcast through the customer communications module.
- ♦ Protection system is initially set as follows: Safety shutoff protection, electrical: Oil pressure, Water temperature, Overspeed, Crankcase pressure, Aftercooler temperature. Includes air inlet shutoff, activated on overspeed or emergency stop. Alarms included are, electrical: ECM voltage, oil pressure, water temperature (low and high), overspeed, crankcase pressure, aftercooler temperature, low water level (sensor is provided ship loose) is an optional attachment and would be installed by others), air inlet restriction, exhaust stack temperature, filter differential pressure (oil and fuel), Derate, electrical: High water temperature, Crankcase pressure, Aftercooler temperature, Air inlet restriction, Altitude, Exhaust temperature.
- ♦ Emergency stop push button, located on instrument panel. Alarm switches (oil pressure and water temperature), for connection to customer supplied alarm panel.

COOLING SYSTEM

- ♦ Outlet controlled thermostat and housing.
- ♦ Jacket water pump gear driven, dual outlet.
- ♦ Aftercooler fresh water cooling pump (SCAC), gear driven centrifugal.
- ♦ SCAC pump circuit thermostat prevents the aftercooler coolant from falling below 30 deg C (85 F).
- ♦ Jacket water and aftercooler circuit keel coolers. Ships loose for installation by others. Companion flanges are not provided.
- ♦ Expansion Tanks:
 - Engine jacket water expansion tank.
 - Engine aftercooler expansion tank.
 - Stands for each tank.
 - Interconnect piping, fittings and couplings are not provided.
 - Tanks ship loose and are installed by others.

EXHAUST SYSTEM

- ♦ All exhaust components are shipped loose and are of Caterpillar standard construction.
- ♦ Maxim MT42 exhaust silencer, 304 stainless steel construction. Mounting hardware and companion flanges are not provided.
- ♦ Exhaust flexible fitting: 12" flange X 14" flange X 12" overall length.
- ♦ Exhaust adapter: 203 mm I.D. to 310 mm I.D. (8 in to 12 in). 8-10.5 mm dia. holes EO SP. 250.95 mm bolt hole diameter 12-10.5 mm diameter holes EO SP. 376 mm bolt hole diameter 157.9 mm tall with compressed gasket.
- ♦ Exhaust manifolds are dry type.



- ♦ All associated engine exhaust piping from the engine turbo outlet through the exhaust silencer discharge is not included and the responsibility of others.
- ♦ All ship loose exhaust items are installed by others.

FLYWHEELS & FLYWHEEL HOUSINGS

- ♦ Flywheel, SAE No. 00.
- ♦ Flywheel housing, SAE No. 00.
- ♦ SAE standard rotation.
- ♦ Engine stub shaft. Installed on engine

FUEL SYSTEM

- ♦ Fuel filter, secondary.
- ♦ Fuel transfer pump.
- ♦ Flexible fuel lines – Ships loose for installation by others.
- ♦ Primary fuel filter with cleanable screen – shipped loose for installation by others.
- ♦ Fuel priming pump – manual hand pump.
- ♦ Electronically Controlled Unit Injectors.
- ♦ Interconnect piping to fuel system is not provided.

LUBE SYSTEM

- ♦ Crankcase breather CCV system as described in air inlet system.
- ♦ Engine oil cooler – Engine only.
- ♦ Engine oil filter.
- ♦ Engine ships dry – lube oil not provided.
- ♦ Standard oil pan.
- ♦ Oil pan drain valve.
- ♦ KENCO or Equal oil level regulator. Ships loose for installation by others and is further described in the "Notes and Clarifications" section.

MOUNTING SYSTEM

- ♦ Structural steel engine rails, floor type.
- ♦ Engine leveling subbase with jacking bolts.
- ♦ Finish paint the leveling base using manufacturer's standard system including, shot blast the base prior to painting, two-component prime coat urethane, two-component acrylic modified alkyd enamel with polyurethane enhancer.
- ♦ Color will be Caterpillar black.

POWER TAKE-OFFS

- ♦ Caterpillar stub shaft – keyed.
- ♦ Stub shaft will be installed on engine flywheel.

STARTING SYSTEM

- ♦ Air starting motor, RH, 620 to 1034 kPa (90 to 150 psi), LH control.
- ♦ Air silencer for air starter. Ships loose and installed by others.
- ♦ Air pressure regulator – ships loose – reduces air pressure to 150 psi. Installed by others.



- ♦ Alternator deleted per 7-10-17 addendum.
- ♦ 2 – Jacket water heaters, 240 volt, single phase.

TESTING, ONSITE START UP/TESTING, TRAINING, WARRANTY and GENERAL

- ♦ Caterpillar factory engine test report. This is Caterpillar's standard factory full load production test and test documentation prior to engine shipment from the factory. No other engine tests are provided prior to start up at job site. Unless otherwise noted, no other training, testing or site presence is provided.
- ♦ 4 Days (in succession) start up service and commissioning by Yancey technician. Engine must be completely installed, aligned, piped, wired, connected to driveline and ready to run prior to Yancey arrival. Start up service does not include fuel, engine coolant or engine lube oil. Start up to occur during normal business hours, Monday through Friday, 8:00am to 5:00pm.
- ♦ Yancey Technician for Startup & Commissioning pricing clarification: Startup and commissioning by a Yancey Power Systems technician for 4 consecutive days. Any time in excess or in addition to this time will be charged to Patterson Pump at Standard Yancey Power Systems field service rates. Any warranty issues with Yancey provided packaged components or Caterpillar components will be processed in accordance with the manufacturer's warranty statement. Engine must be installed, aligned, filled with fluids, completely wired for operation and ready to run prior to the Yancey technician arriving for startup and commissioning. Should a technician be required prior to engines being installed and "ready to run", the technician will be dispatched based on a change order or separate written purchase order from Patterson Pump. All technician time provided is during normal business hours, 8:00am to 5:00pm, Monday through Friday. Overtime is not provided and will result in additional charges. The diesel fuel, engine lubrication oil, engine coolant and filters consumed during the startup and commissioning is not included in the price. 4 weeks advance notice required for schedule. Unless otherwise noted, no other training, testing or site presence is provided.
- ♦ 8 Hours (in succession on same day) on-site training by Yancey Service Technician. Videography is not provided.
- ♦ Caterpillar engine warranty on Caterpillar engine only. Manufacturer's warranty shall apply on all other items.
- ♦ Storage preservation - Provides vapor corrosion inhibitor in all internal engine compartments and the cooling system. Protects engine and accessories from functional deterioration for a minimum of one year under inside storage conditions. The engines and all other Yancey provided items will be stored inside. Please note: This is storage prior to packaging and shipping to job site. Storage procedures should be followed at job site and is not included in this pricing.
- ♦ Price is FOB Factory, Freight Allowed but does not include off-loading.

GENERAL

- ♦ Spare Filters Provided. 3 – oil filters, 5 – fuel filters, 2 – primary air filter elements, 2 – secondary air filter elements and 2 – CCV system filter element.
- ♦ Engine painting is standard in Caterpillar's standard format. 2 containers of touch up paint
- ♦ General outline drawings submitted for approval after order entry.
- ♦ Engine vibration damper and guard.
- ♦ Caterpillar standard torsional vibration analysis. Other vibration testing is not provided.
- ♦ Specialty tools are not required for routine maintenance procedures. Tools and specialty tools are not provided.
- ♦ Pre-Release approval meeting is required with specifying engineer prior to production release.
- ♦ Engine barring tool. Ratcheting device supplied by others – manual type.
- ♦ Engine Lifting eyes – designed for lifting engine only



- ◆ **Delivery**
 - Receipt of order and acceptance by Yancey Management – 1 to 2 weeks allowed for Patterson and Yancey to agree on final scope as documented.
 - Development of custom drawings - 2 to 4 weeks for custom drawings.
 - Customer approval – 1 to 2 weeks allowed for customer approval.
 - Current engine, keel cooler and accessories delivery at the factory – 23 weeks.
 - Packaging and assembly of engine - 3 to 4 weeks.
 - Transportation to Patterson - 1 week.
 - Delivery is 31 to 37 weeks.
 - The estimated ready to ship date will be completed at that time and based on the current factory lead times and requires all participants to complete their tasks in a timely manner. Delivery will be verified at time of order entry.
- ◆ Price DOES NOT include the following: State and local sales tax, Installation of the equipment (including shipped loose accessories) and offloading of equipment.

**Net Each Per Engine \$WILL ADVISE FOB Factory, Freight Allowed to Kenner,
LA Please see notes and clarifications section for additional detail on price**

NOTES AND CLARAFICATIONS

1. The specification relies heavily on the contractor for all aspects related to the engine scope of supply and installation. Unless otherwise noted, all items ship loose for contractor installation.
2. The engine will be provided as shipped by the Caterpillar factory. Unless specifically noted in this scope of supply, all of the connecting items(flanges, flex pipes, hoses, switches, piping, valves, exhaust piping & blanketing, wiring, support brackets, etc.) are not provided, not installed and the responsibility of others.
3. Unless specifically noted in this scope of supply, items on the project plans and drawings are not provided.
4. The engine ships dry to the job site. Lube and coolant is not provided, which includes the ship loose lube oil and coolant described in the specification.
5. Drawing Sheet # A-1 & A-3: The fuel day tank on this drawing is not provided.
6. Drawing Sheet # S-29: The exhaust silencer only on this drawing is provided. The flanged discharge elbow attached to the silencer discharge, the ¼" X 3" stainless steel flat bar wrapped around the silencer, the flanged inlet elbow attached to the exhaust silencer and the support structure are all not provided.
7. Drawing Sheet # E6.2: All of the items on this page are not provided.
8. Drawing Sheet # E7.1: Figure # 2 is not provided.
9. Drawing Sheet # E8.2: Figures 1 through 5 are not provided.
10. Drawing Sheet # P3.0: The air regulator for the engine described, which is noted as supplied by the engine manufacturer, in the "Compressed Air Regulator Schedule" is provided. No other items referenced on this sheet are provided.
11. Drawing Sheets # P4.0 & P4.2: All of the interconnect plumbing described on this sheet is not provided.
12. Drawing Sheet # P5.0: The aftercooler and jacket water keel cooler are provided loose for installation by others. Loose companion flanges and mounting hardware for the keel coolers are not provided.
13. Drawing Sheet # P6.0: Figures 1 through 4 are not provided.



Yancey Power Systems
259 Lee Industrial Blvd.
Austell, GA 30168-7405

770.941.2424 tel
770.941.2411 fax
877.278.6235 toll free
www.YanceyPower.com

Quotation # 17JMH0040-01 – REV 2

Project: 1 - 3512C Diesel Engine - Standby
Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

Page # 6 of 7

14. Drawing Sheet # P6.1: Figures 1 through 6 are not provide. The KENCO KLC or equal oil regulator only in figure 3 is provided loose for installation by others. This includes the regulator only. The stand, hoses, fittings, hardware and fasteners are not provided.
15. Drawing Sheet # P6.2: In figure 1, the keel coolers and engine shown on this drawing is provided. All of the interconnect items shown leading too and attaching to the keel coolers and engine are not provided. All of the items shown in figures 2 and 3 are not provided.
16. Warranty: Caterpillar's standard engine warranty and standard manufacturer's warranties on non-Caterpillar items are provided. Additional warranties and/or service contracts are not provided.
17. The shafting in part 2, products, 2.1 diesel engine, paragraph D is not provided. The engine stub shaft is provided and described in the quotation.
18. The Murphy panel with throttle control in part 2, products, 2.1 diesel engine, paragraph H is not provided.
19. The engine jacket water and aftercooler thermostats are provided to satisfy the thermostatic valve references in part 2, products, 2.7 cooling system. No other thermostatic valves are provided.
20. The builder software and screen customization software described in part 2, products 2.10, paragraph G is not provided and not compatible with the Caterpillar control panel requested in the specification.
21. Engine alignment at the job site is not provided.
22. Addendum 1 & 2: A) Video of training session requested in addendum. Body of quote notes that no videography of training is provided. B) Engine expansion tanks were further clarified by addendum. Did not affect price.
23. Addendum # 3: Engine alternator deleted.

Thank you for the opportunity to quote this project.

Best Regards,

Joe Hofmann
Industrial Engine Sales
Yancey Power Systems
(770) 941-2424 Main
(770) 941-2411 Fax
(678) 945-2623 Direct
(770) 815-9058 Cell
joe_hofmann@yanceybros.com

Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Yancey Power Systems is not responsible for occurrences beyond our control. This quotation is made subject to Yancey Power Systems Standard Terms and Conditions.

Thank you for your request and for your consideration of this quotation.

ACCEPTANCE

BY YANCEY POWER SYSTEMS

DATE

DATE



Yancey Power Systems
259 Lee Industrial Blvd.
Austell, GA 30168-7406

770.941.2424 tel
770.941.2411 fax
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Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

Page : 7 of 7

Standard Terms and Conditions –V1

[illegible]

2. **QUOTATIONS AND PUBLISHED PRICES.** *Quotations* are statements of supply/demand, 70% of which are for immediate delivery, and are published in the *Chicago Board of Trade* and *Chicago Board of Merchants* newspapers. *Published prices* are the prices for delivery at a future date, and are published in the *Chicago Board of Trade* and *Chicago Board of Merchants* newspapers. The *Chicago Board of Trade* and *Chicago Board of Merchants* newspapers are the only sources of information on the market for immediate delivery, and are the only sources of information on the market for delivery at a future date.

[illegible]

4. **TERMS.** I agree to release the lender from **THIRTY** (30) DAYS, non-business days, from date of issuance. Amount of the fee subject to this agreement is \$14.95, and will be broken down into monthly payments as provided for, and the payment will be applied first to cover charges due. If a payment does not, in any case, cover the balance of the fee, the balance of the outstanding production of business on the date specified herein will be added. Company then agrees not to provide payment in advance. The time period of this agreement is for a period of 30 days, and the fee will be paid in full on the date of payment of the fee.

[illegible]

6. **DELIVERY AND HANDLING CHARGES.** Unless otherwise specified, shipment on FOB basis. Freight and handling charges will be paid unless otherwise agreed in writing. Approximate charges for the basic 400 category's current freight rates. Please note that freight and handling charges are not included in the 400 category's current freight rates. For the 400 category, such charges are \$3.95 for 1 bag and \$4.95 for the 400 category's current freight rates.

7. SHIPPING AND PACKING. All items listed in this catalog are usually packed for shipment by **Compton** and most are available for immediate shipment. Items having a special design or construction are shipped by special carrier. All items to be shipped by air freight and those to be shipped by sea freight are marked as such. Shipping weights and dimensions for each Compton item are listed in the second and third columns of our standard "Specifications" table. Dimensions are also given for boxes and actual length of items when shipping weights and dimensions are not given. Shipping and actual data.

8. **SUBSTITUTIONS.** Let φ be a substitution on a preordered index I , mapping $\alpha \in \alpha(I)$ to the right tree obtained by the last α -edges of α , $\varphi(\alpha)$ and α to the α -edge of α . Let φ be a product of α by the α -edges of α . The product of α by the α -edges of α is the product of α by the α -edges of α .

2. **CHANGES.** Based on a study of expected changes in the composition of the company, the changes in the specific duties for equipment or work covered by the contract, the study of the content of price and delivery conditions of the capital equipment. The composition of the equipment is changed to ensure a reasonably profitable price-cost and expected income of the company and to ensure the required maintenance, operation and repair of such equipment and a good and successful operation of the selected technology.

[illegible][illegible]

12. SECURITY INTEREST. The Company has granted a security interest in all of its personal property, including, but not limited to, its accounts receivable, inventory, equipment, and other tangible personal property, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its real property, including, but not limited to, its land, buildings, and other real estate, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its intellectual property, including, but not limited to, its patents, trademarks, and copyrights, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its other assets, including, but not limited to, its cash, investments, and other intangible assets, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its future assets, including, but not limited to, its future accounts receivable, inventory, equipment, and other tangible personal property, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its future real property, including, but not limited to, its future land, buildings, and other real estate, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its future intellectual property, including, but not limited to, its future patents, trademarks, and copyrights, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its future other assets, including, but not limited to, its future cash, investments, and other intangible assets, to the lender, as collateral for the loan. The Company has also granted a security interest in all of its future other assets, including, but not limited to, its future cash, investments, and other intangible assets, to the lender, as collateral for the loan.

13. **DEFAULT** If `plot` is left unspecified in this subcommand, a title is chosen for the plot. By default, a title is chosen that corresponds to the name of the variable that is specified in the `BY` statement. If `plot` is specified, the title is chosen from the `titles` list.

II. BUYER ACCEPTANCE The proposed data collection mode shall be selected by the study participant. Participants to complete surveys online are notified by e-mail, and participants to complete surveys on paper are notified by mail. The survey is available for 14 days after the data collection phase.

15. **WARRANTIES.** COMPANY MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES EXPRESS OR IMPLIED WITH RESPECT TO THE ACCURACY, ABILITY, AVAILABILITY, AND CONTENTS OF ANY PART OF THE PROGRAM. THE USER ASSUMES ALL RESPONSIBILITY FOR THE USE OF THE PROGRAM. THE USER AGREES TO HOLD THE COMPANY AND THE COMPANY'S AFFILIATES, AGENTS, EMPLOYEES, AND SUBSIDIARIES HARMLESS FROM ALL LIABILITY, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE INCURRED BY THE COMPANY OR ITS AFFILIATES, AGENTS, EMPLOYEES, AND SUBSIDIARIES AS A RESULT OF THE USER'S USE OF THE PROGRAM.

[illegible]

Such a change in the Bank's view of the Bank's role in deposit contracts is based on the argument of a capital-supplying depositor that a depositing depositor's decision to Bank's continue to operate after the bank change. Bank argues that in the absence of a proper argumentation of the depositor's contribution to the bank's capital, the bank's capital is not a good, but a standard of the bank's capital.

Company had made good for its activities since it had a profitable year, and the net income of \$1,000,000 was a good indication of its financial health. The company had made good for its activities since it had a profitable year, and the net income of \$1,000,000 was a good indication of its financial health.

[illegible]

IS: NO RESPONSIBILITY FOR GRATUITOUS INFORMATION OR ASSISTANCE. If anyone provides Paper with information that affects our research project, we will supply him/her with a certain amount of equipment or materials to support his/her research. We will not attempt to fulfill our obligations to such individuals or organizations without their agreement. Such an agreement will be in writing and will be signed by the appropriate person in the organization. We will not accept information or assistance from individuals or organizations that are not members of the American Psychological Association.

20. **ENTIRE AGREEMENT AND AMENDMENT:** This entire contract, including the entire compensation package, is being entered into by and between the parties to this agreement and is intended to be a complete and exclusive statement of the parties' understanding of the terms of the employment relationship. Any oral or written agreement, understanding or arrangement, whether made before or after the date of this agreement, that is inconsistent with the terms of this agreement is hereby rejected and is null and void. This agreement may be amended only by a written agreement signed by both parties.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) 1 (6/12/17) , 2 (6/23/17) , 3 (7/10/17)

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

Ten Million Three Hundred Seventy Two Thousand One Hundred Fifty One Dollars (\$ 10,372,141.00)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: Cycle Construction Company, LLC

ADDRESS OF BIDDER: 6 East Third St., Kenner, LA 70062

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 36961

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Jonathan N. Kernion, Jr.

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: Vice President

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: 7/13/17

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 475,000.00	\$ 475,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 300,000.00	\$ 300,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 115.00	\$ 13,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 4,500.00	\$ 4,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 1,900.00	\$ 1,900.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 38.00	\$ 35,625.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 14.00	\$ 14,490.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 2.00	\$ 2,830.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 19.00	\$ 105,260.00

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 97.00	\$ 16,490.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 136.00	\$ 11,560.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 3,800.00	\$ 7,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 26.00	\$ 17,290.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 1,900.00	\$ 1,900.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 1,952.00	\$ 718,336.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 16,000.00	\$ 80,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 128,000.00	\$ 128,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 757,000.00	\$ 757,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 45.00	\$ 158,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 2,100.00	\$ 81,900.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 3,400.00	\$ 3,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	2,100.00	2,100.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	86.00	18,490.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 3,300.00	\$ 3,300.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 2,500.00	\$ 2,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 65,000.00	\$ 65,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	138,000.00	138,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	900.00	283,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 682,000.00	\$ 682,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 10.00	\$ 114,100.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 11.50	\$ 57,615.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 835.00	\$ 534,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 91,000.00	91,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 17,600.00	\$ 17,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 2,500.00	\$ 2,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 1,700,000.00	\$ 1,700,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 472,000.00	\$ 472,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 623,100.00	\$ 623,100.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 853,950.00	\$ 853,950.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 63,805.00	\$ 63,805.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$375,000.00	\$ 375,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 44,300.00	\$ 44,300.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 12,000.00	\$ 12,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 16,000.00	\$ 16,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 69,000.00	\$ 69,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 167,000.00	\$ 167,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 31,000.00	\$ 31,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 10,000.00	\$ 10,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 90,000.00	\$ 90,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 57,000.00	\$ 57,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 310,000.00	\$ 310,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 83,000.00	\$ 83,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 33,000.00	\$ 33,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 4,400.00	\$ 4,400.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 415,000.00	\$ 415,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 1,200.00	\$ 1,200.00



Louisiana State Licensing Board for Contractors

Contractor Information

Business Name CYCLE CONSTRUCTION COMPANY, L.L.C.
Mailing Address 6 East Third St.
 Kenner, LA 70062
Phone Number (504) 467-1444
Fax Number (504) 467-1222
Email Address jkernion@cycleconstruction.com
Website www.cycleconstruction.com

Active Licenses

License Number 36961
Type Commercial License
Status LICENSED
Effective 06/28/2017
Expiration 06/27/2020
First Issued 06/27/2000

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Jonathan N. Kernion Sr	ALL
BUILDING CONSTRUCTION	Jonathan Neville Kernion Jr.	ALL
BUILDING CONSTRUCTION	Kevin Joseph Kernion	ALL
BUSINESS AND LAW	Jonathan N. Kernion Sr	ALL
BUSINESS AND LAW	Jonathan Neville Kernion Jr.	ALL
HEAVY CONSTRUCTION	Jonathan N. Kernion Sr	ALL
HEAVY CONSTRUCTION	Jonathan Neville Kernion Jr.	ALL
HEAVY CONSTRUCTION	Kevin Joseph Kernion	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Jonathan N. Kernion Sr	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Jonathan Neville Kernion Jr.	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Kevin Joseph Kernion	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Jonathan N. Kernion Sr	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Jonathan Neville Kernion Jr.	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Kevin Joseph Kernion	ALL
SPECIALTY: ASBESTOS REMOVAL AND ABATEMENT	Kevin Joseph Kernion	ALL
SPECIALTY: HAZARDOUS MATERIALS SITE REMEDIATION	Jonathan N. Kernion Sr	ALL
SPECIALTY: HAZARDOUS MATERIALS SITE REMEDIATION	Jonathan Neville Kernion Jr.	ALL
SPECIALTY: HAZARDOUS MATERIALS SITE REMEDIATION	Kevin Joseph Kernion	ALL
SPECIALTY: HAZARDOUS WASTE TREATMENT OR REMOVAL	Jonathan N. Kernion Sr	ALL
SPECIALTY: HAZARDOUS WASTE TREATMENT OR REMOVAL	Jonathan Neville Kernion Jr.	ALL
SPECIALTY: HAZARDOUS WASTE TREATMENT OR REMOVAL	Kevin Joseph Kernion	ALL
SPECIALTY: RIGGING, HOUSE MOVING, WRECKING AND DISMANTLING	Jonathan N. Kernion Sr	ALL
SPECIALTY: RIGGING, HOUSE MOVING, WRECKING AND DISMANTLING	Kevin Joseph Kernion	ALL

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CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Cycle Construction Company, LLC.
~~INCORPORATED.~~

AT THE MEETING OF DIRECTORS OF Cycle Construction Company, LLC.
INCORPORATED, DULY NOTICED AND HELD ON September 1, 2012,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT Jonathan N. Kernion, Jr., BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.



SECRETARY-TREASURER

Kevin Kernion

7/13/17

7/13/17

DATE

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

Cycle Construction Co., L.L.C. as PRINCIPAL, and

The Hanover Insurance Company as SURETY, are held and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent (5%) of the Amount Bid

DOLLARS (\$) 5%) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated July 13, 20 17, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13th day of July, 20 17, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

(Business Address, including Zip Code)

(Partnership) (SEAL)

(Business Address, including Zip Code)

ATTEST:

BY: _____

(Corporate Principal) Cycle Construction Co., L.L.C.

6 East Third Street, Kenner, LA 70062
(Business Address, including Zip Code)

ATTEST:


BY: 
AFFIX CORPORATE SEAL
Jonathan N. Kernion, Jr.
Vice President

(See Power of Attorney)

The Hanover Insurance Company
(Corporate Surety)

440 Lincoln Street, Worcester, MA 01653
(Business Address, including Zip Code)

Countersigned:

BY: 
AFFIX CORPORATE SEAL
Pamela K. Tucker, Attorney-in-Fact

BY: 
Pamela K. Tucker, Attorney-in-Fact*

State of Louisiana

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Stephen L. Cory, Pamela K. Tucker, Jill K. Tucker and/or Melanie Stern

of **Metairie, LA** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:

Any such obligations in the United States, not to exceed Forty Million and No/100 (\$40,000,000) in any single instance


and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 4th day of **November 2011**.



THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA


Robert Thomas, Vice President



Mark Fitzgerald, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this 4th day of **November 2011** before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



BARBARA A. GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Sept. 21, 2018


Barbara A. Garlick, Notary Public
My Commission Expires September 21, 2018


I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 13th day of July, 2017.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA


Glenn Margosian, Vice President

Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: _____

Jonathan N. Kernion, Jr. _____, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Vice President of Cycle Construction Company, LLC. (Entity), the party who submitted a bid in response to Bid Number 50-00119429, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A x

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B _____

there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B X _____ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:


- | | |
|--|---|
| (a) Theft (R.S. 14:67) | (f) Bank fraud (R.S. 14:71.1) |
| (b) Identity Theft (R.S. 14:67, 16) | (g) Forgery (R.S. 14:72) |
| (c) Theft of a business record (R.S. 14:67.20) | (h) Contractors; misapplication of payments (R.S. 14:202) |
| (d) False accounting (R.S. 14:70) | (i) Malfeasance in office (R.S. 14:134) |
| (e) Issuing worthless checks (R.S. 14:71) | |

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).




Signature of Affiant

Jonathan N. Kernion, Jr.

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 21 DAY OF June, 2017.



Notary Public

Donald P. Di Maggio

Printed Name of Notary

33195

Notary/Bar Roll Number

My commission expires At Death

[Print](#)

Notary Search - Detail

Name: MR. DONALD P. DIMAGGIO
Address: 5440 MOUNES ST. SUITE 108
ELMWOOD, LA 70123
Phone: (504) 734-8100
Phone 2: (504) 733-5143
Notary ID Number: 33195
Parish: JEFFERSON with authority in the following parishes:
ORLEANS, PLAQUEMINES, ST. BERNARD
Agency: N/A
Notary Type: Non Attorney
Status: Active
Commission Date: 08/26/1991
Oath Date: 08/02/1991
Surety Expiration Date: None
Annual Report Current: Yes

[Back to Search Results](#)[New Search](#)

Campaign Contribution Disclosure List- Jefferson Parish

Cycle Construction Co., LLC

Mike Yenni 1/27/15	\$	1,000.00
Ben Zahn 6/1/15	\$	3,000.00
Mike Yenni 12/9/15	\$	1,000.00

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. CYCLE CONSTRUCTION COMPANY, LLC		
2 Business name/disregarded entity name, if different from above		
3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ S <input type="checkbox"/> Other (see instructions) ▶ <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>	
5 Address (number, street, and apt. or suite no.) 6 EAST THIRD STREET		Requester's name and address (optional)
6 City, state, and ZIP code KENNER, LA 70062		
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-					
or								
Employer identification number								
7	2		-	1	4	7	6	7 9 8

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶ <i>Alan Canaff, CONTROLLER</i>	Date ▶ 1-10-2017
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1096 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



CYCLCON-01

LBARBER

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

06/15/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cory, Tucker & Larrowe, Inc. P. O. Box 6646 Metairie, LA 70009-6646		CONTACT NAME: PHONE (A/C, No, Ext): (504) 834-5080 E-MAIL ADDRESS:	FAX (A/C, No): (504) 835-7726
INSURED Cycle Construction Co., L.L.C. #6 East Third Street Kenner, LA 70062		INSURER(S) AFFORDING COVERAGE INSURER A: Zurich American Insurance Company NAIC # 16535 INSURER B: National Union Fire Insurance Company 19445 INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER POLICY X PRO-JECT LOC OTHER	X X	GLO 5938947 07	02/01/2017	02/01/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS HIRED AUTOS ONLY NON-OWNED AUTOS ONLY	X X	BAP 5938948 07	02/01/2017	02/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE X X DED RETENTION \$	X X	BE 21521534	02/01/2017	02/01/2018	EACH OCCURRENCE \$ 20,000,000 AGGREGATE \$ 20,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N N/A	X WC 5938946 07	02/01/2017	02/01/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
 (Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) 1 - 6/12/17, 2 - 6/23/17, 3 - 7/10/17

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of: NINE MILLION EIGHT HUNDRED THIRTY THOUSAND

EIGHT HUNDRED THIRTY THOUSAND Dollars (\$ 9,830,960.00)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: Sealevel Construction, Inc.

ADDRESS OF BIDDER: P. O. Box 1037
Thibodaux, LA 70302

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 33678

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Richard J. Roth

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: President

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **:

DATE: July 13, 2017

Richard J. Roth, President

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
1	1	Lump Sum	\$ 450,000.00	\$ 450,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
2	1	Lump Sum	\$ 129,000.00	\$ 129,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
3	120	Lin. Ft.	\$ 85.00	\$ 10,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
4	1	Ea.	\$ 5,000.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
5	1	Ea.	\$ 2,000.00	\$ 2,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
6	937.5	Sq. Yd.	\$ 46.00	\$ 43,125.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
7	1035	Sq. Yd.	\$ 80.00	\$ 82,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
8	1415	Sq. Yd.	\$ 1.00	\$ 1,415.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.#	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
REF. NO.	QUANTITY:			
9	5540	Cu. Yd.	\$ 15.00	\$ 83,100.00

Wording for "DESCRIPTION" is to be provided by the Owner.
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 64.00	\$ 10,880.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 74.00	\$ 6,290.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 3,000.00	\$ 6,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 20.00	\$ 13,300.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 3,000.00	\$ 3,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 1,000.00	\$ 368,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 89,000	\$ 249,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 65,000.00	\$ 65,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 660,000.00	\$ 660,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 41.00	\$ 144,320.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 4,000.00	\$ 156,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 6,000.00	\$ 6,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	3,500.00	3,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	100.00	21,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 6,000.00	\$ 6,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 4,200.00	\$ 4,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 65,000.00	\$ 65,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	78,000.00	78,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	1,000.00	315,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 600,000.00	\$ 600,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 15.00	\$ 171,150.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 18.00	\$ 91,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 1500.00	\$ 960,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 149,000.00	149,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 16,000	\$ 16,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 5,000.00	\$ 5,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 709,000.00	\$ 709,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 440,000.00	\$ 440,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 709,000.00	\$ 709,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 630,000.00	\$ 630,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 72,000.00	\$ 72,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 330,000.00	\$ 330,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 75,000.00	\$ 75,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 9,000.00	\$ 9,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 14,000.00	\$ 14,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 70,000.00	\$ 70,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 410,000.00	\$ 410,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 29,000.00	\$ 29,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 149,000.00	\$ 149,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 119,000.00	\$ 119,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 55,000.00	\$ 55,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 459,000.00	\$ 459,000.00


DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 119,000.00	\$ 119,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 29,000.00	\$ 29,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 12,000.00	\$ 12,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 500,000.00	\$ 500,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 13,000.00	\$ 13,000.00

📍 2525 Quail Drive, Baton Rouge, 70808 📞 (225) 765-2301 

Louisiana State Licensing Board for Contractors

Contractor Information

Business Name SEALEVEL CONSTRUCTION, INC.
Mailing Address 1069 Hwy 3185
 Thibodaux, LA 70301
Phone Number (985) 448-0970
Email Address ataylor@sealevelinc.com

Active Licenses

License Number 33678
Type Commercial License
Status LICENSED
Effective 02/20/2017
Expiration 02/19/2020
First Issued 02/19/1998
License Number 883941
Type Residential License
Status LICENSED
Effective 11/01/2016
Expiration 11/01/2017
First Issued 11/01/2016

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Roth, Richard John	ALL
BUILDING CONSTRUCTION	Roth, Richard John	ALL
BUSINESS AND LAW	Roth, Richard John	ALL
BUSINESS AND LAW	Roth, Richard John	ALL
BUSINESS AND LAW	Roth, Richard John	ALL
BUSINESS AND LAW	Tyler David Glaze	ALL
BUSINESS AND LAW	Roth, Richard John	ALL
BUSINESS AND LAW	Tyler David Glaze	ALL
HEAVY CONSTRUCTION	Roth, Richard John	ALL
HEAVY CONSTRUCTION	Tyler David Glaze	ALL
HEAVY CONSTRUCTION	Roth, Richard John	ALL
HEAVY CONSTRUCTION	Tyler David Glaze	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Roth, Richard John	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Roth, Richard John	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Roth, Richard John	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Roth, Richard John	ALL
RESIDENTIAL BUILDING CONTRACTOR	Roth, Richard John	ALL
RESIDENTIAL BUILDING CONTRACTOR	Roth, Richard John	ALL

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, Sealevel Construction, Inc.

1069 Highway 3185, Thibodaux, LA 70301 as PRINCIPAL, and

Arch Insurance Company as SURETY, are held and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent (5%) of the Amount Bid -----

DOLLARS (\$)) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated July 13, 2017, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13th day of July, 2017, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

(Business Address, including Zip Code)

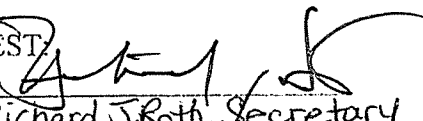
(Partnership)

(SEAL)

(Business Address, including Zip Code)

ATTEST:

BY:


Richard J. Roth, Secretary
Sealevel Construction, Inc.

(Corporate Principal)

1069 Highway 3185, Thibodaux, LA 70301

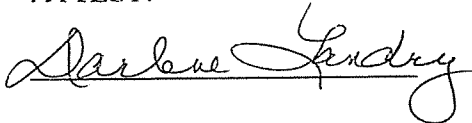
(Business Address, including Zip Code)

BY:


AFFIX CORPORATE SEAL

Richard J. Roth, President

ATTEST:



Arch Insurance Company

(Corporate Surety)

Harborside 3, 210 Hudson Street, Suite 300, Jersey City, NJ 07311-1107

(Business Address, including Zip Code)

BY:

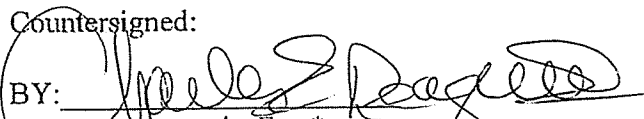


AFFIX CORPORATE SEAL

Dewey E. Brashier, Attorney-In-Fact

Countersigned:

BY:


Attorney-in-Fact*
Charles E. Reagin, III - License #232446

State of Louisiana

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON BLUE BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Mortgage, Note, Loan, Letter of Credit, Bank Deposit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Andrew P. Underwood, David Robin Fortenberry, Dewey E. Brashier, Jim E. Brashier, John B. Sneed, Kathleen B. Scarborough, Kimberly B. Barhum, Loren R. Howell, Jr., Mary Jones Norval, Richard Teb Jones, Susan Skrmetta and Troy P. Wagener of Biloxi, MS (EACH)

its true and lawful Attorney(s)in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding Ninety Million Dollars (\$90,000,000.00).

This authority does not permit the same obligation to be split into two or more bonds In order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on September 15, 2011, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on September 15, 2011:

VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on September 15, 2011, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON BLUE BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Mortgage, Note, Loan, Letter of Credit, Bank Deposit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Charles E. Reagin III, Charlotte L. Wright, Markham R. McKnight, Tawanda A. Weatherspoon, Thomas M. Sandahl, Trent J. Sandahl and Troy P. Wagener of Baton Rouge, LA (EACH)

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding Ninety Million Dollars (\$90,000,000.00).

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on September 15, 2011, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on September 15, 2011:

VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on September 15, 2011, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.

Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF LAFOURCHE

BEFORE ME, the undersigned authority, personally came and appeared: Richard J. Roth
_____, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized President of Sealevel Construction, Inc(Entity),
the party who submitted a bid in response to Bid Number 50-00119429, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

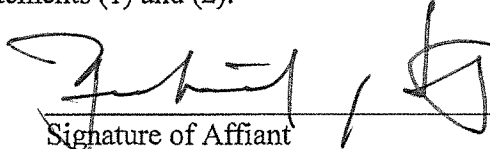
- (a) Theft (R.S. 14:67)
- (b) Identity Theft (R.S. 14:67, 16)
- (c) Theft of a business record (R.S. 14:67.20)
- (d) False accounting (R.S. 14:70)
- (e) Issuing worthless checks (R.S. 14:71)
- (f) Bank fraud (R.S. 14:71.1)
- (g) Forgery (R.S. 14:72)
- (h) Contractors; misapplication of payments (R.S. 14:202)
- (i) Malfeasance in office (R.S. 14:134)

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).

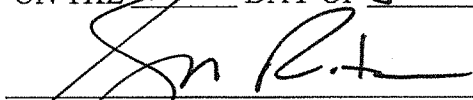


Signature of Affiant

Richard J. Roth, President

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 13th DAY OF JULY, 2017.



Notary Public

Eugene N. Roth

Printed Name of Notary
Eugene N. Roth
Notary #008409

Notary/Bar Roll Number

My commission expires lifetime
commission

[Print](#)

Notary Search - Detail

Name: MR. EUGENE N. ROTH
Address: P. O. BOX 306
THIBODAUX, LA 70302-0306

Phone: (985) 447-3909
Phone 2: (985) 446-3100

Notary ID Number: 8409

Parish: LAFOURCHE with authority in the following parishes:
ASSUMPTION, ST. MARY, TERREBONNE

Agency: N/A

Notary Type: Non Attorney

Status: Active

Commission Date: 02/11/1999

Oath Date: 02/03/1999

Surety Expiration Date: 01/05/2019

Annual Report Current: Yes

Notary Events

Suspension From: 04/12/2012 To: 01/06/2013

Parish Change Previous Parish: TERREBONNE Previous Commission Date: 01/11/1984

Deceased, Inactivated, Leave of Absence, Pre-Assessment Registration, Pre-Assessment Taken, Resigned, Retirement, and Revoked events are not available prior to February 11, 2012.

[Back to Search Results](#)[New Search](#)

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Sealevel Construction, Inc.
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Sealevel Construction, Inc.
INCORPORATED, DULY NOTICED AND HELD ON July 5, 2017,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT Richard J. Roth, President, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.



SECRETARY-TREASURER
Richard J. Roth, Secretary

July 13, 2017

DATE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/12/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Insurance Center A Division of BancorpSouth Insurance Services 213 Porter Avenue Biloxi MS 39530-	CONTACT NAME: Shannon Ryan	
	PHONE (A/C, No, Ext): 228-374-2000	FAX (A/C, No): 228-863-1957
INSURED Sealevel Construction Inc P.O. Box 1037 Thibodaux LA 70302	E-MAIL ADDRESS: shannon.ryan@bxsi.com	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: BITCO General Insurance Corporation	NAIC # 20095
	INSURER B: BITCO National Insurance Company	20109
	INSURER C: RSUI Indemnity Company	22314
	INSURER D: Allianz Global Risks US Ins Co	35300
INSURER E:		
INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** 1237905663 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			MXI93055014	12/5/2016	12/5/2017	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			CAP3646411	12/5/2016	12/5/2017	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP2810572	12/5/2016	12/5/2017	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> Y	N/A	WC3646409	12/5/2016	12/5/2017	<input checked="" type="checkbox"/> PER STATUTE <input checked="" type="checkbox"/> OTH-ER USL&H E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C	Excess Umbrella			NHA077709	12/5/2016	12/5/2017	Each Occurrence 5,000,000 Aggregate 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Bid Proposal No. 50-00119429 New Parish Line Pump Station, Phase 1, Public Works Project No 2007-023-DR, Jefferson Parish Line Capital Projects. Liability policies provide blanket additional insured and waiver of subrogation for all parties as required by written contract. Workers compensation provides blanket waiver of subrogation for all parties as required by written contract.

CERTIFICATE HOLDER

Parish of Jefferson
200 Derbigny St
Gretna LA 70053

CANCELLATION

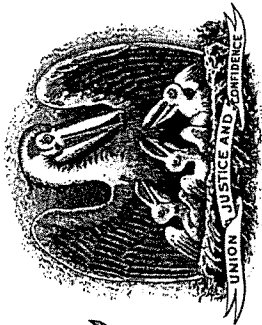
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Shannon Ryan

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State of Louisiana



State Licensing Board for Contractors

This is to Certify that:

SEALEVEL CONSTRUCTION, INC.
PO Box 1037
Thibodaux, LA 70302

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; HEAVY CONSTRUCTION; HIGHWAY, STREET AND BRIDGE
CONSTRUCTION; MUNICIPAL AND PUBLIC WORKS CONSTRUCTION



Expiration Date: February 19, 2020

License No: 33678

Witness our hand and seal of the Board dated,
Baton Rouge, LA 20th day of February 2017

Will B. McCoy

Director

Lee Madgett

Chairman

Andy Dumas

Treasurer

This License Is Not Transferrable

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Sealevel Construction, Inc.

Business name/disregarded entity name, if different from above

Check appropriate box for federal tax classification:

☐ Individual/sole proprietor ☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶

☐ Other (see instructions) ▶

Exemptions (see instructions):

Exempt payee code (if any) **5**

Exemption from FATCA reporting
code (if any)

Address (number, street, and apt. or suite no.)

P. O. Box 1037 (1069 Hwy. 3185)

City, state, and ZIP code

Thibodaux, LA 70302

Requester's name and address (optional)

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

 - -

Employer identification number

7 2 - 1 3 9 5 0 1 3

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below), and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign
Here

Signature of
U.S. person ▶

Date ▶

7/13/17

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. The IRS has created a page on IRS.gov for information about Form W-9, at www.irs.gov/w9. Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the

withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

July 12, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

SPECIFICATION 15131

1.11 SUBMITTAL REQUIREMENTS WITH BID

- | | |
|---|---|
| 1. Name of Manufacturer | PATTERSON PUMP COMPANY |
| 2. Preliminary Outline Drawing | See Drawing C04-144844 – attached |
| 3. Guaranteed Performance: | |
| a. Capacity | 350 CFS |
| b. Total Head | 18.4 ft |
| c. NPSH Required | 30.3 ft |
| d. Pump Efficiency | 86.6% |
| e. Pump Speed | 273 rpm |
| 4. Pump Curves | See attached curves (with model test support documents) |
| 5. Lube Water Flow Required | 8 – 11 gpm |
| 6. Lube Water Pressure | 50 psi |
| 7. Weight of entire pump*
adapter) | 78,345 lbs (*does not include FSI and FSI adapter) |
| 8. Weight of pull out element | not applicable |
| 9. Weight of rotating element | approximately 7000 lbs |
| 10. WK ² of pump rotating element | 9500 lb-ft ² wet |
| 11. Maximum Hydraulic Downthrust (momentary) | 34,375 lbs |
| 12. Maximum hydraulic downthrust (continuous) | 28,750 lbs |
| 13. Speed Torque Curve | See attached |
| 14. Three Quadrant Curve | See attached |
| 15. User's list
Experience | See attached under 1.02A – Manufacturer's Experience |
| 16. Assembly required after delivery | Pump ships assembled. Sole Plate and FSI ship in advance as they must be installed before the pump. Engine, Gear, interconnecting components, couplings, shafting guards, ancillary devices to engine, etc to be field installed by Contractor or others. |
| 17. Service Rates for additional service | See attached |
| 18. List of special tools supplied | no special tools supplied |
| 19. List of technical and commercial exceptions | see Patterson Proposal |

(NOT FOR CONSTRUCTION)

[illegible]

APPROXIMATE WEIGHTS	
	lbs
Pump Weight(less FSI, engine, gear, and discharge spool)	76,925
FSI & Adapter Weight:	19,300
Discharge Spool Weight:	7,410
Engine Weight (Wet) w/accessories:	13,445
Gear Weight (Wet):	8,200
Sole Plate Weight:	1,420



PATTERSON PUMP COMPANY
A GORMAN-RUPP COMPANY

OUTLINE DIMENSION
FOR
FOR 6BX72 TME

DNV NO.

C04-144844

REV.

Q

DELAVER

DATE _____

blackwell

7/11/2017

SCALE

APPB

SHEET 0

Patterson Pump Company

Expected Performance Characteristic Curve

New Parish Line Pump Station

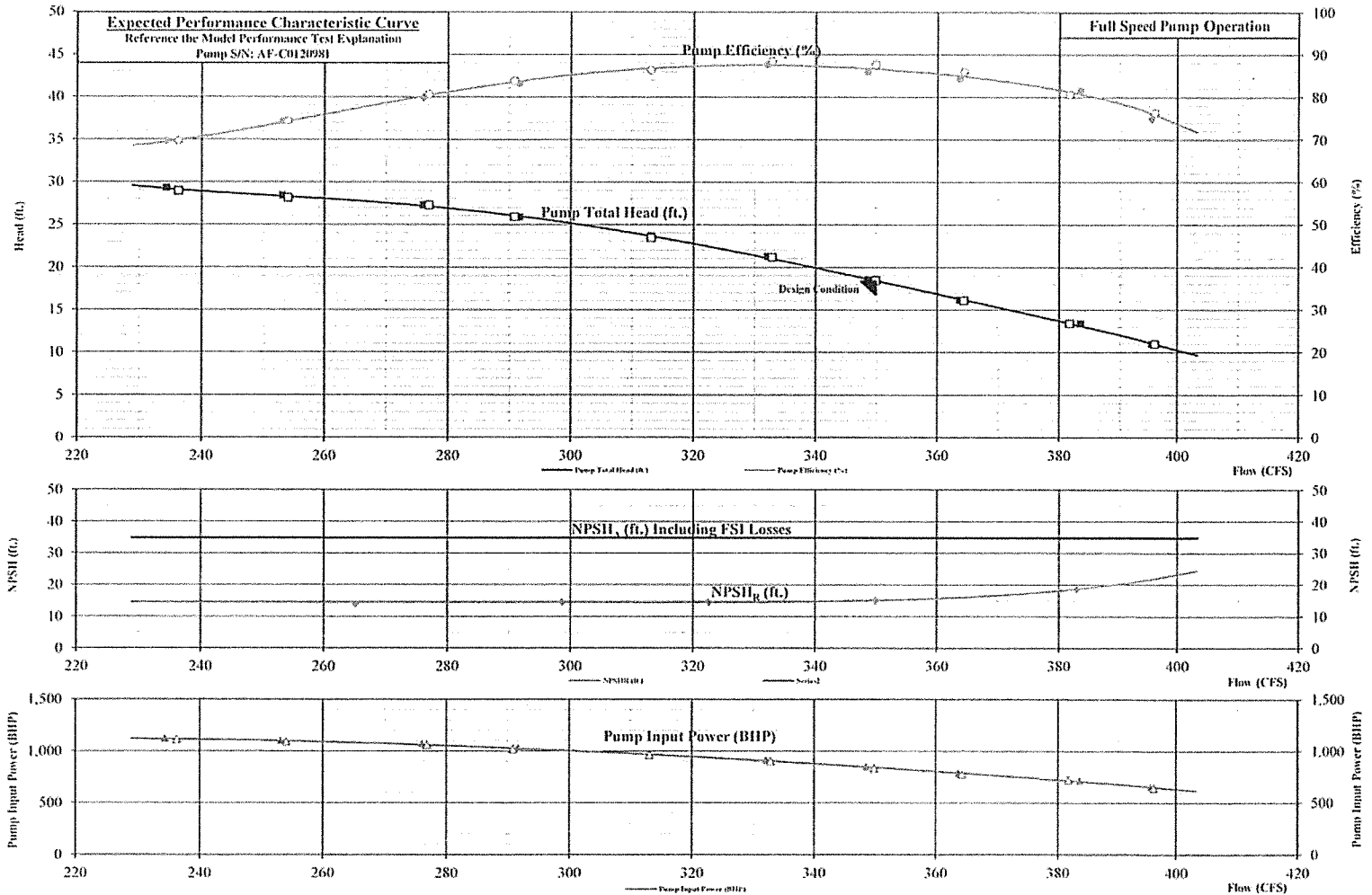
Phase I

Jefferson Parish Department of Drainage
66 x 72 TMF @ 273 RPM

Design Condition (Guaranteed)

Capacity = 380 CFS
Pump Total Head = 18.4 ft.
Pump Efficiency = 86.6%
NPSH_r = 30.3 ft.

The pump is capable of operating over the entire range specified in Addendum No. 3, Section 15131 "Mixed Flow Vertical Pump", Paragraphs 1.03 "Pump Performance" and 1.04 "Design Conditions".



Model Performance Test Explanation

Reference: AF-C0120981, P.C.C.P. Model Pump Test Report
Model Pump: 24 TMF, 4 Vanes, 22.97 inch Outside Diameter
Model Speed: 920 RPM
Test Date: August 7, 2013

As indicated in the model pump test report, the model pump performance (including internal pump losses) was calculated to be as follows.

Test # 1W

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.11	69.57	273.37
2	18,441.97	42.79	74.20	268.58
3	20,104.34	41.02	79.75	261.11
4	21,237.01	38.95	83.05	251.50
5	22,803.89	35.59	86.37	237.27
6	24,192.51	32.00	87.58	223.24
7	25,383.00	27.80	85.81	207.64
8	26,491.13	24.22	84.21	192.42
9	27,933.87	20.10	81.36	174.23
10	28,809.98	16.48	74.75	160.38

Test # 1WH

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,216.08	43.59	69.71	271.83
2	18,508.67	42.34	74.24	266.54
3	20,165.54	41.01	80.59	259.17
4	21,178.90	38.97	83.70	249.04
5	22,803.89	35.25	86.19	235.54
6	24,243.28	31.84	88.36	220.59
7	25,479.70	27.73	87.56	203.76
8	26,537.40	24.19	85.79	188.96
9	27,801.79	20.10	80.45	175.44
10	28,852.44	16.48	76.14	157.75

Test # 1WA – 1WE

Model Pump NPSHR		
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above data was used to plot a model pump performance characteristic curve included in the model pump test report. For reference only, the model pump performance characteristic curve can be found at the end of this document.

The internal losses of the model pump at the tested flow rates are as indicated below (based on 0.627 feet of losses at 18,452 GPM).

Test # 1W		
	Model Pump Losses	
Ref.	GPM	Losses
1	17,072.01	0.537
2	18,441.97	0.626
3	20,104.34	0.744
4	21,237.01	0.831
5	22,803.89	0.958
6	24,192.51	1.078
7	25,383.00	1.186
8	26,491.13	1.292
9	27,933.87	1.437
10	28,809.98	1.529

Test # 1WH		
	Model Pump Losses	
Ref.	GPM	Losses
1	17,216.08	0.546
2	18,508.67	0.631
3	20,165.54	0.749
4	21,178.90	0.826
5	22,803.89	0.958
6	24,243.28	1.082
7	25,479.70	1.196
8	26,537.40	1.297
9	27,801.79	1.423
10	28,852.44	1.533

(NOTE: The model pump was tested with a C.O.E. Type 10 FSI. The FSI losses were considered to be system losses, not pump losses.)

Accounting for the pump internal losses, the model pump bowl performance is calculated to be as follows.

Test # 1W

	Model Bowl Performance			
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.65	70.41	273.37
2	18,441.97	43.42	75.29	268.58
3	20,104.34	41.76	81.19	261.11
4	21,237.01	39.78	84.83	251.50
5	22,803.89	36.55	88.71	237.27
6	24,192.51	33.08	90.53	223.24
7	25,383.00	28.98	89.46	207.64
8	26,491.13	25.51	88.69	192.42
9	27,933.87	21.53	87.17	174.23
10	28,809.98	18.01	81.70	160.38

Test # 1WH

	Model Bowl Performance			
Ref.	GPM	Head	Eff	BHP
1	17,216.08	44.13	70.58	271.83
2	18,508.67	42.97	75.35	266.54
3	20,165.54	41.76	82.05	259.17
4	21,178.90	39.80	85.47	249.04
5	22,803.89	36.21	88.53	235.54
6	24,243.28	32.92	91.36	220.59
7	25,479.70	28.92	91.32	203.76
8	26,537.40	25.49	90.40	188.96
9	27,801.79	21.53	86.16	175.44
10	28,852.44	18.02	83.23	157.75

Test # 1WA – 1WE

	Model Pump NPSHR	
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above model bowl performance data can then be mathematically converted to a scaled-up prototype unit with a rated speed of 273 RPM and a model ratio of 2.75 by using the modeling and speed change relationships (modeling equations), as indicated below.

Test # 1W

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.73	70.41	1,123.41
2	113,809.95	28.91	75.29	1,103.74
3	124,068.81	27.81	81.19	1,073.05
4	131,058.82	26.49	84.83	1,033.52
5	140,728.46	24.34	88.71	975.08
6	149,297.92	22.03	90.53	917.40
7	156,644.78	19.30	89.46	853.28
8	163,483.30	16.99	88.69	790.75
9	172,386.77	14.34	87.17	715.98
10	177,793.49	11.99	81.70	659.09

Test # 1WH

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.39	70.58	1,117.08
2	114,221.56	28.61	75.35	1,095.33
3	124,446.50	27.81	82.05	1,065.06
4	130,700.24	26.50	85.47	1,023.43
5	140,728.46	24.11	88.53	967.93
6	149,611.24	21.92	91.36	906.50
7	157,241.52	19.26	91.32	837.35
8	163,768.86	16.97	90.40	776.55
9	171,571.70	14.34	86.16	720.99
10	178,055.53	12.00	83.23	648.27

Test # 1WA – 1WE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype bowl performance data was used as the basis for the submitted expected performance characteristic curve.

The prototype pump internal losses were calculated to be as follows (based on 0.77 feet of losses at 157,090.5 GPM).

Test # 1W

Prototype Pump Losses		
Ref.	GPM	Losses
1	105,355.60	0.346
2	113,809.95	0.404
3	124,068.81	0.480
4	131,058.82	0.536
5	140,728.46	0.618
6	149,297.92	0.696
7	156,644.78	0.766
8	163,483.30	0.834
9	172,386.77	0.927
10	177,793.49	0.986

Test # 1WH

Prototype Pump Losses		
Ref.	GPM	Losses
1	106,244.70	0.352
2	114,221.56	0.407
3	124,446.50	0.483
4	130,700.24	0.533
5	140,728.46	0.618
6	149,611.24	0.698
7	157,241.52	0.771
8	163,768.86	0.837
9	171,571.70	0.919
10	178,055.53	0.989

(NOTE: The prototype pump contains a C.O.E. Type 10 FSI. The FSI losses are considered to be system losses, not pump losses.)

Applying the prototype pump internal losses to the scaled-up bowl performance, the prototype pump performance is calculated to be as follows.

Test # 1W

Prototype Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.39	69.60	1,123.41
2	113,809.95	28.51	74.24	1,103.74
3	124,068.81	27.33	79.80	1,073.05
4	131,058.82	25.95	83.10	1,033.52
5	140,728.46	23.72	86.45	975.08
6	149,297.92	21.33	87.66	917.40
7	156,644.78	18.53	85.90	853.28
8	163,483.30	16.15	84.32	790.75
9	172,386.77	13.41	81.53	715.98
10	177,793.49	11.01	75.00	659.09

Test # 1WH

Prototype Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.03	69.72	1,117.08
2	114,221.56	28.21	74.29	1,095.33
3	124,446.50	27.33	80.64	1,065.06
4	130,700.24	25.97	83.75	1,023.43
5	140,728.46	23.49	86.24	967.93
6	149,611.24	21.22	88.44	906.50
7	157,241.52	18.49	87.68	837.35
8	163,768.86	16.14	85.96	776.55
9	171,571.70	13.42	80.64	720.99
10	178,055.53	11.01	76.36	648.27

Test # 1WA – 1WE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype pump performance data was used to produce the submitted expected performance characteristic curve.

Patterson Pump Company

Model Pump Performance Characteristic Curve

P.C.C.P.

17th Street Pumping Station

Model Pump for the FUTURE 113 TMF Pumps

24 TMF @ 920 RPM

Test No. 1W, Regular Performance Test (Total Suction Head Equivalent to ~14.0 feet.)

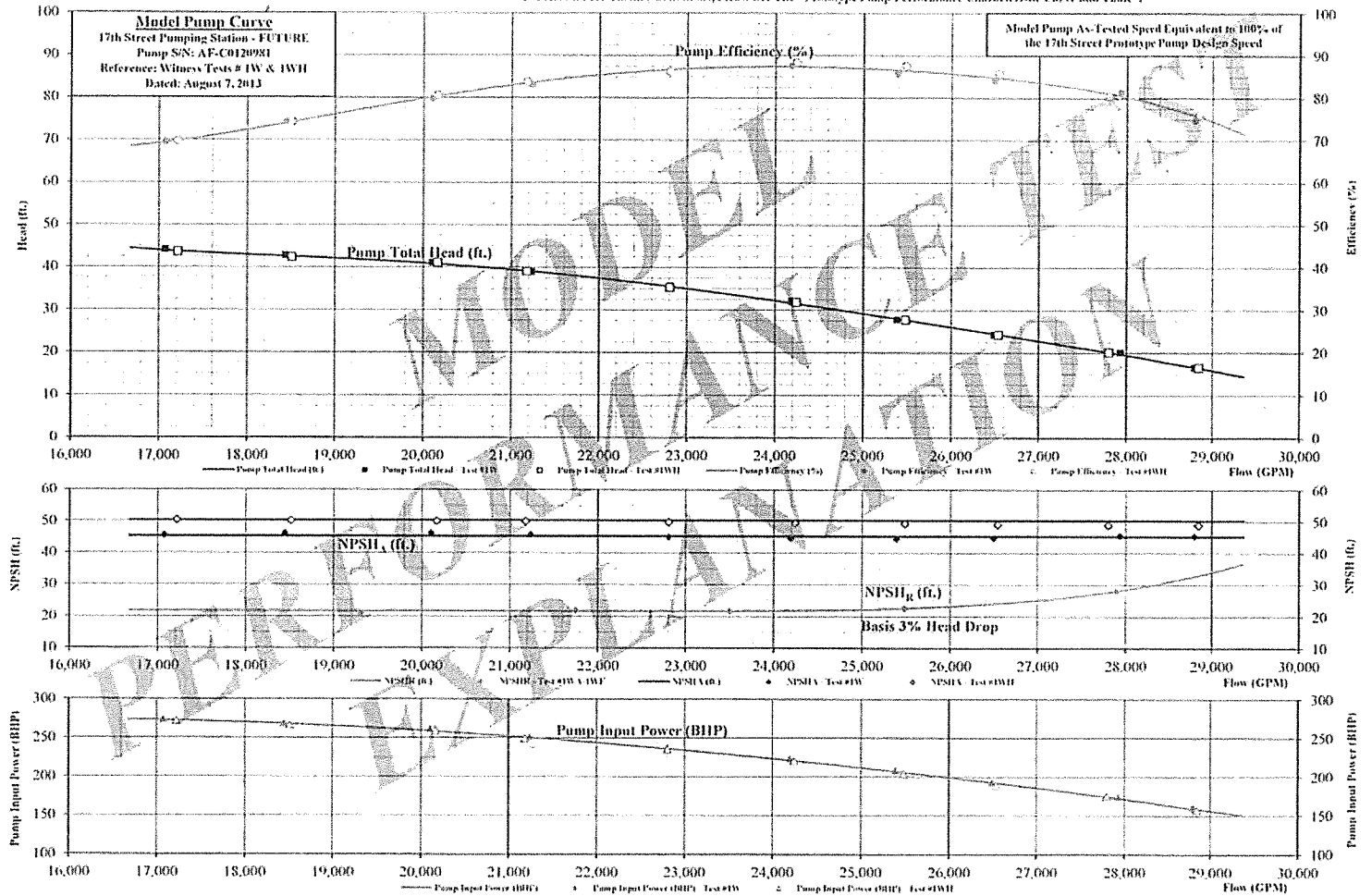
Test No. 1WH, Positive Pressure Performance Test (Total Suction Head Increased by 5 feet.)

Model Pump As-Tested Speed Equivalent to 100% of the 17th Street Prototype Pump Design Speed

Top Siphon Elevation = +21.0 ft.

Protection Elevation = +18.0 ft.

For Actual Performance Conditions, Please See The "Prototype Pump Performance Characteristic Curve and Table".



Patterson Pump Company

Expected Torque vs. Percent Speed Curve

New Parish Line Pump Station

Phase I

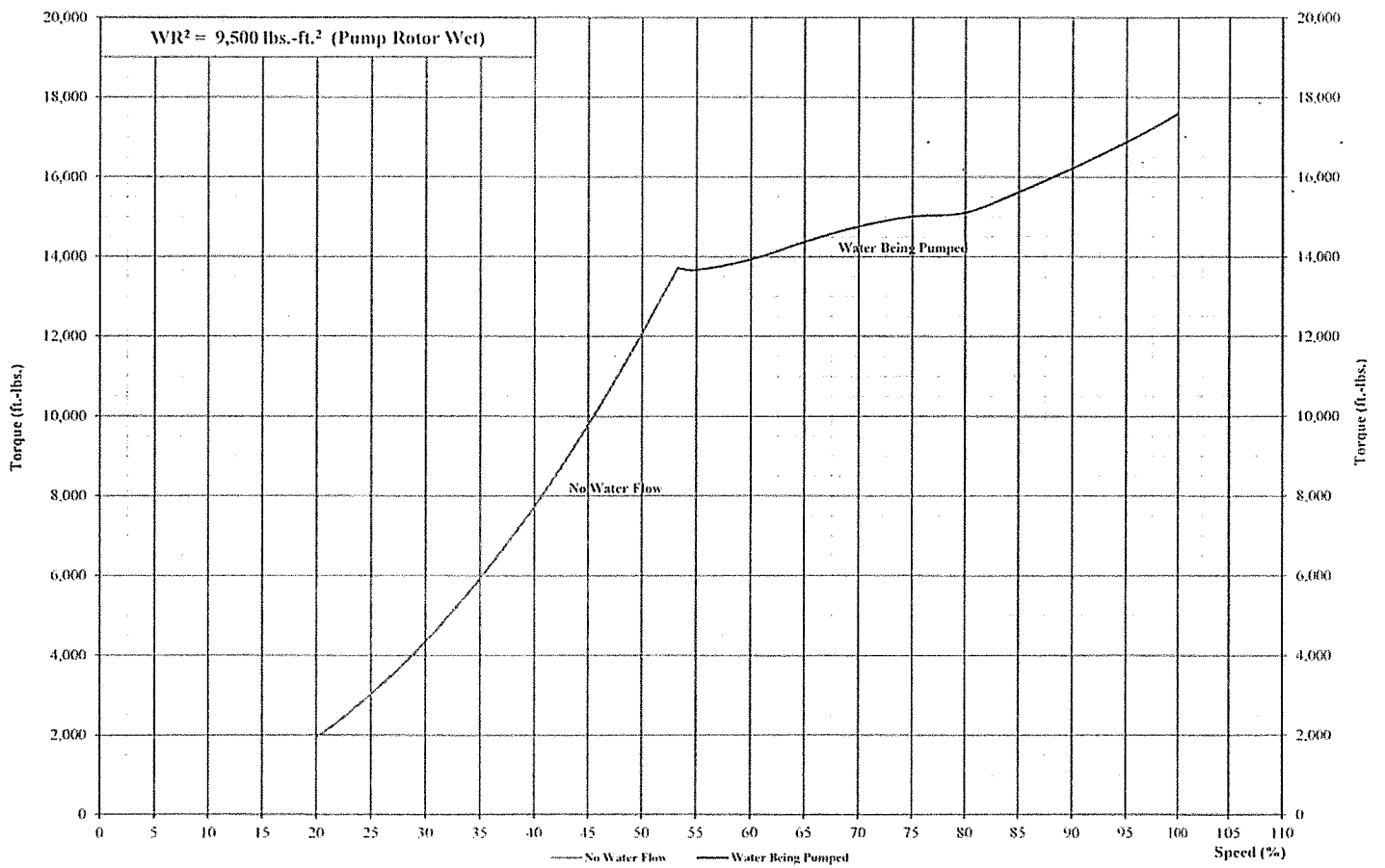
Jefferson Parish Department of Drainage

66 x 72 T.M.F. @ 273 RPM

Expected Torque vs. Percent Speed Curve

Worst-Case Priming Condition

(Suction W.L. Elevation = 9.5 feet)



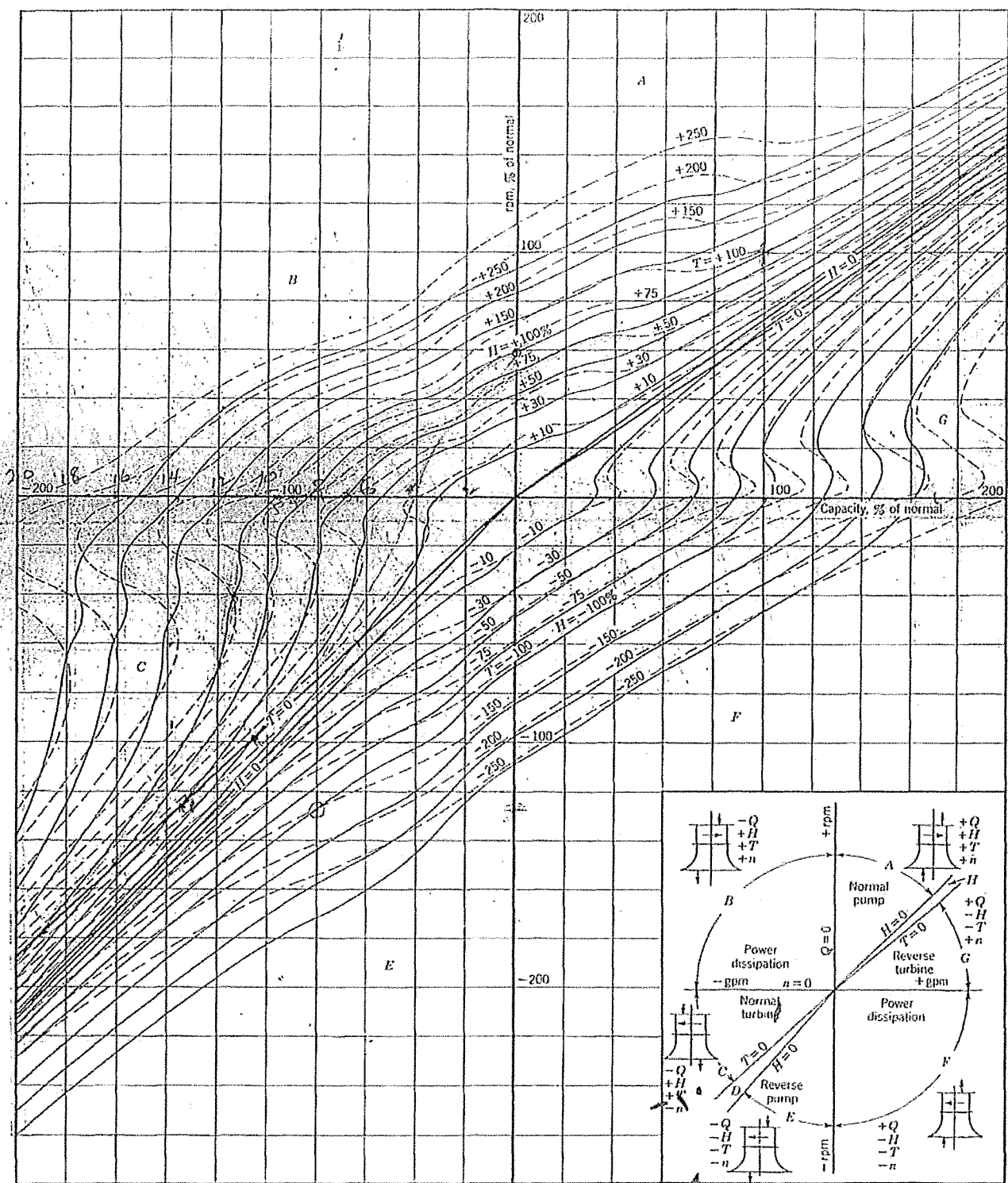


FIG. 13.4. Complete pump characteristics, axial flow pump; $n_s = 13,500$. Data by W. M. Swanson.²²

PATTERSON PUMP COMPANY

FP-26

TOCCOA, GA. 30577

**FIELD SERVICE RATES
FOR
THE CONTIGUOUS UNITED STATES
PATTERSON SERVICE TECHNICIAN OR ENGINEER**

***FIELD SERVICE TECHNICIAN** **\$1500.00 Per 8 hr. day**

***ENGINEER** **\$2100.00 Per 8 hr. day**

TRAVEL EXPENSES:

<i>Hotel</i>	<i>@ Cost</i>
<i>Meals</i>	<i>@ Cost</i>
<i>Private or Company Auto</i>	<i>\$.75 per mile</i>
<i>Rental Car</i>	<i>@ Cost</i>
<i>Airfare, train, bus, etc.</i>	<i>@ Cost</i>

All Service Rates are Portal to Portal.

Field Service Rates include the services of one Service Technician. When special equipment or tools such as grinders, welding equipment, etc. must be secured by PPC an ADDITIONAL CHARGE for rental, hauling, labor, and materials must be made. These items will be invoiced at cost.

****Overtime rate and Saturday rate at regular time, plus one-half of daily rates per hour. Sunday rate is at double the daily rate per hour.***

The service rate does not include taxes of any kind or nature. Any and all taxes assessed against PPC will be added to the invoice for the service provided.

Effective date 08/11/15



Yancey Power Systems
259 Lee Industrial Blvd.
Austell, GA 30168-7406

770.941.2424 tel
770.941.2411 fax
877.278.6235 toll free
www.YanceyPower.com

Quotation # 17JMH0040-01 – REV 2

Project: 1 - 3512C Diesel Engine - Standby
Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

Page # 1 of 7

Mr. Steve McIntyre
Patterson Pump Company
2129 Ayersville Road
Toccoa, GA 30577

3512C Caterpillar SCAC Diesel Engine (1475hp @ 1200rpm)

Caterpillar Industrial Diesel Engine Model 3512C rated 1475 hp at 1200 rpm. Meets Previous US EPA Tier II emissions levels and will be labeled for EPA Standby Emergency by Caterpillar. It will include the following:

Basic Engine Arrangement

- ♦ Caterpillar 12-cylinder, direct injected, turbocharged, aftercooled diesel engine.
- ♦ 4-stroke-cycle, 170 mm bore x 215 mm stroke (6.7 in bore x 8.5 in stroke).
- ♦ 58.6 Liter (3575 cu. In.)
- ♦ 450rpm low idle.
- ♦ Factory designed systems built at Caterpillar ISO 9001:2000 certified facilities.
- ♦ Separate-circuit aftercooler and optimized for low emissions and Previous EPA Tier II certification.
- ♦ This engine will be built to EPA Tier II standards. Meets Previous US EPA Tier II emissions levels and will be labeled for EPA Standby Emergency by the Caterpillar factory. Exhaust aftertreatment is not provided.
- ♦ Engine rotation is standard (counter-clockwise as viewed from flywheel end).

AIR INLET SYSTEM

- ♦ Aftercooler core, corrosion resistant.
- ♦ Air cleaners, regular duty.
- ♦ Closed Crankcase Ventilation system.
- ♦ Service indicators.
- ♦ Dual, rear mounted, turbos.
- ♦ Emergency air inlet shut offs.

CATERPILLAR SPEED CONTROL & ELECTRONIC CONTROL

- ♦ Caterpillar ADEM A3 ECM, LH mounted.
- ♦ Includes adjustable speed droop capability.
- ♦ Requires 24V DC 10 Amp Continuous, 20 Amp intermittent, clean electrical power.
- ♦ Pneumatic speed control, 10-100 psi – Final connection from air supply provided by others.
- ♦ 2-8D batteries with racks and cables for engine control power. 24 volt. Not for starting. Ship loose for installation by others.
- ♦ Sens 24 volt NRG 24-10 battery charger. Ships loose for installation by others.
- ♦ Additional ship loose Caterpillar ADEM A3 ECM module, pre-programed and shipped loose.
- ♦ Customer copy of Caterpillar Electronic Technician for electronic engine control module. Does not include computer or connection cables/devices to engine.

CATERPILLAR CONTROL PANEL

- ♦ Electronic Instrument Panel, LH
- ♦ 320 x 240 graphic display.



- ♦ Analog gauges with digital display data for: Engine oil pressure, Engine water temperature, Fuel pressure, System DC voltage, Air inlet restriction, Exhaust temperature (prior to turbochargers) gauge, Fuel filter differential pressure gauge, Oil filter differential pressure gauge, Service meter (digital display only), Tachometer (digital display only), Instantaneous fuel consumption (digital display only), Total fuel consumed (digital display only).
- ♦ Engine start-stop (off, auto start, manual start, cool down timer)

PROTECTION SYSTEM

- ♦ Caterpillar ADEM A3 ECM monitoring system provides engine de-rating, or shutdown strategies to protect against adverse operating conditions.
- ♦ Selected parameters are customer programmable.
- ♦ Status available on engine mounted instrument panel and can be broadcast through the customer communications module.
- ♦ Protection system is initially set as follows: Safety shutoff protection, electrical: Oil pressure, Water temperature, Overspeed, Crankcase pressure, Aftercooler temperature. Includes air inlet shutoff, activated on overspeed or emergency stop. Alarms included are, electrical: ECM voltage, oil pressure, water temperature (low and high), overspeed, crankcase pressure, aftercooler temperature, low water level (sensor is provided ship loose) is an optional attachment and would be installed by others), air inlet restriction, exhaust stack temperature, filter differential pressure (oil and fuel). Derate, electrical: High water temperature, Crankcase pressure, Aftercooler temperature, Air inlet restriction, Altitude, Exhaust temperature.
- ♦ Emergency stop push button, located on instrument panel. Alarm switches (oil pressure and water temperature), for connection to customer supplied alarm panel.

COOLING SYSTEM

- ♦ Outlet controlled thermostat and housing.
- ♦ Jacket water pump gear driven, dual outlet.
- ♦ Aftercooler fresh water cooling pump (SCAC), gear driven centrifugal.
- ♦ SCAC pump circuit thermostat prevents the aftercooler coolant from falling below 30 deg C (85 F).
- ♦ Jacket water and aftercooler circuit keel coolers. Ships loose for installation by others. Companion flanges are not provided.
- ♦ Expansion Tanks:
 - Engine jacket water expansion tank.
 - Engine aftercooler expansion tank.
 - Stands for each tank.
 - Interconnect piping, fittings and couplings are not provided.
 - Tanks ship loose and are installed by others.

EXHAUST SYSTEM

- ♦ All exhaust components are shipped loose and are of Caterpillar standard construction.
- ♦ Maxim MT42 exhaust silencer, 304 stainless steel construction. Mounting hardware and companion flanges are not provided.
- ♦ Exhaust flexible fitting: 12" flange X 14" flange X 12" overall length.
- ♦ Exhaust adapter: 203 mm I.D. to 310 mm I.D. (8 in to 12 in), 8-10.5 mm dia. holes EQ SP, 250.95 mm bolt hole diameter 12-10.5 mm diameter holes EQ SP, 376 mm bolt hole diameter. 157.9 mm tall with compressed gasket.
- ♦ Exhaust manifolds are dry type.



- ♦ All associated engine exhaust piping from the engine turbo outlet through the exhaust silencer discharge is not included and the responsibility of others.
- ♦ All ship loose exhaust items are installed by others.

FLYWHEELS & FLYWHEEL HOUSINGS

- ♦ Flywheel, SAE No. 00.
- ♦ Flywheel housing, SAE No. 00.
- ♦ SAE standard rotation.
- ♦ Engine stub shaft. Installed on engine.

FUEL SYSTEM

- ♦ Fuel filter, secondary.
- ♦ Fuel transfer pump.
- ♦ Flexible fuel lines – Ships loose for installation by others.
- ♦ Primary fuel filter with cleanable screen – shipped loose for installation by others.
- ♦ Fuel priming pump – manual hand pump.
- ♦ Electronically Controlled Unit Injectors.
- ♦ Interconnect piping to fuel system is not provided.

LUBE SYSTEM

- ♦ Crankcase breather CCV system as described in air inlet system.
- ♦ Engine oil cooler – Engine only.
- ♦ Engine oil filter.
- ♦ Engine ships dry – lube oil not provided.
- ♦ Standard oil pan.
- ♦ Oil pan drain valve.
- ♦ KENCO or Equal oil level regulator. Ships loose for installation by others and is further described in the "Notes and Clarifications" section.

MOUNTING SYSTEM

- ♦ Structural steel engine rails, floor type.
- ♦ Engine leveling subbase with jacking bolts.
- ♦ Finish paint the leveling base using manufacturer's standard system including, shot blast the base prior to painting, two-component prime coat urethane, two-component acrylic modified alkyd enamel with polyurethane enhancer.
- ♦ Color will be Caterpillar black.

POWER TAKE-OFFS

- ♦ Caterpillar stub shaft – keyed.
- ♦ Stub shaft will be installed on engine flywheel.

STARTING SYSTEM

- ♦ Air starting motor, RH, 620 to 1034 kPa (90 to 150 psi), LH control.
- ♦ Air silencer for air starter. Ships loose and installed by others.
- ♦ Air pressure regulator – ships loose – reduces air pressure to 150 psi. Installed by others.



Project: 1 - 3512C Diesel Engine - Standby
Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

- ♦ Alternator deleted per 7-10-17 addendum.
- ♦ 2 – Jacket water heaters, 240 volt, single phase.

TESTING, ONSITE START UP/TESTING, TRAINING, WARRANTY and GENERAL

- ♦ Caterpillar factory engine test report. This is Caterpillar's standard factory full load production test and test documentation prior to engine shipment from the factory. No other engine tests are provided prior to start up at job site. Unless otherwise noted, no other training, testing or site presence is provided.
- ♦ 4 Days (in succession) start up service and commissioning by Yancey technician. Engine must be completely installed, aligned, piped, wired, connected to driveline and ready to run prior to Yancey arrival. Start up service does not include fuel, engine coolant or engine lube oil. Start up to occur during normal business hours, Monday through Friday, 8:00am to 5:00pm.
- ♦ Yancey Technician for Startup & Commissioning pricing clarification: Startup and commissioning by a Yancey Power Systems technician for 4 consecutive days. Any time in excess or in addition to this time will be charged to Patterson Pump at Standard Yancey Power Systems field service rates. Any warranty issues with Yancey provided packaged components or Caterpillar components will be processed in accordance with the manufacturer's warranty statement. Engine must be installed, aligned, filled with fluids, completely wired for operation and ready to run prior to the Yancey technician arriving for startup and commissioning. Should a technician be required prior to engines being installed and "ready to run", the technician will be dispatched based on a change order or separate written purchase order from Patterson Pump. All technician time provide is during normal business hours, 8:00am to 5:00pm, Monday through Friday. Overtime is not provided and will result in additional charges. The diesel fuel, engine lubrication oil, engine coolant and filters consumed during the startup and commissioning is not included in the price. 4 weeks advance notice required for schedule. Unless otherwise noted, no other training, testing or site presence is provided.
- ♦ 8 Hours (in succession on same day) on-site training by Yancey Service Technician. Videography is not provided.
- ♦ Caterpillar engine warranty on Caterpillar engine only. Manufacturer's warranty shall apply on all other items.
- ♦ Storage preservation - Provides vapor corrosion inhibitor in all *internal* engine compartments and the cooling system. Protects engine and accessories from functional deterioration for a minimum of one year under inside storage conditions. The engines and all other Yancey provided items will be stored inside. Please note: This is storage prior to packaging and shipping to job site. Storage procedures should be followed at job site and is not included in this pricing.
- ♦ Price is FOB Factory, Freight Allowed but does not include off-loading.

GENERAL

- ♦ Spare Filters Provided: 3 – oil filters, 5 – fuel filters, 2 – primary air filter elements, 2 – secondary air filter elements and 2 – CCV system filter element.
- ♦ Engine painting is standard in Caterpillar's standard format. 2 containers of touch up paint.
- ♦ General outline drawings submitted for approval after order entry.
- ♦ Engine vibration damper and guard.
- ♦ Caterpillar standard torsional vibration analysis. Other vibration testing is not provided.
- ♦ Specialty tools are not required for routine maintenance procedures. Tools and specialty tools are not provided.
- ♦ Pre-Release approval meeting is required with specifying engineer prior to production release.
- ♦ Engine barring tool. Ratcheting device supplied by others – manual type.
- ♦ Engine Lifting eyes – designed for lifting engine only.



- ◆ Delivery:
 - Receipt of order and acceptance by Yancey Management – 1 to 2 weeks allowed for Patterson and Yancey to agree on final scope as documented.
 - Development of custom drawings - 2 to 4 weeks for custom drawings.
 - Customer approval – 1 to 2 weeks allowed for customer approval.
 - Current engine, keel cooler and accessories delivery at the factory – 23 weeks.
 - Packaging and assembly of engine - 3 to 4 weeks.
 - Transportation to Patterson - 1 week.
 - Delivery is 31 to 37 weeks.
 - The estimated ready to ship date will be completed at that time and based on the current factory lead times and requires all participants to complete their tasks in a timely manner. Delivery will be verified at time of order entry.
- ◆ Price DOES NOT include the following: State and local sales tax, Installation of the equipment (including shipped loose accessories) and offloading of equipment.

Net Each Per Engine \$WILL ADVISE FOB Factory, Freight Allowed to Kenner.
LA Please see notes and clarifications section for additional detail on price

NOTES AND CLARAFICATIONS

1. The specification relies heavily on the contractor for all aspects related to the engine scope of supply and installation. Unless otherwise noted, all items ship loose for contractor installation.
2. The engine will be provided as shipped by the Caterpillar factory. Unless specifically noted in this scope of supply, all of the connecting items(flanges, flex pipes, hoses, switches, piping, valves, exhaust piping & blanketing, wiring, support brackets, etc.) are not provided, not installed and the responsibility of others.
3. Unless specifically noted in this scope of supply, items on the project plans and drawings are not provided.
4. The engine ships dry to the job site. Lube and coolant is not provided, which includes the ship loose lube oil and coolant described in the specification.
5. Drawing Sheet # A-1 & A-3: The fuel day tank on this drawing is not provided.
6. Drawing Sheet # S-29: The exhaust silencer only on this drawing is provided. The flanged discharge elbow attached to the silencer discharge, the 1/4" X 3" stainless steel flat bar wrapped around the silencer, the flanged inlet elbow attached to the exhaust silencer and the support structure are all not provided.
7. Drawing Sheet # E6.2: All of the items on this page are not provided.
8. Drawing Sheet # E7.1: Figure # 2 is not provided.
9. Drawing Sheet # E8.2: Figures 1 through 5 are not provided.
10. Drawing Sheet # P3.0: The air regulator for the engine described, which is noted as supplied by the engine manufacturer, in the "Compressed Air Regulator Schedule" is provided. No other items referenced on this sheet are provided.
11. Drawing Sheets # P4.0 & P4.2: All of the interconnect plumbing described on this sheet is not provided.
12. Drawing Sheet # P5.0: The aftercooler and jacket water keel cooler are provided loose for installation by others. Loose companion flanges and mounting hardware for the keel coolers are not provided.
13. Drawing Sheet # P6.0: Figures 1 through 4 are not provided.



Project: 1 - 3512C Diesel Engine - Standby
Jefferson Parish - Parish Line PS

Date Issued: July, 6 2017 – Quote valid for 30 days.

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14. Drawing Sheet # P6.1: Figures 1 through 6 are not provide. The KENCO KLC or equal oil regulator only in figure 3 is provided loose for installation by others. This includes the regulator only. The stand, hoses, fittings, hardware and fasteners are not provided.
15. Drawing Sheet # P6.2: In figure 1, the keel coolers and engine shown on this drawing is provided. All of the interconnect items shown leading too and attaching to the keel coolers and engine are not provided. All of the items shown in figures 2 and 3 are not provided.
16. Warranty: Caterpillar's standard engine warranty and standard manufacturer's warranties on non-Caterpillar items are provided. Additional warranties and/or service contracts are not provided.
17. The shafting in part 2, products, 2.1 diesel engine, paragraph D is not provided. The engine stub shaft is provided and described in the quotation.
18. The Murphy panel with throttle control in part 2, products, 2.1 diesel engine, paragraph H is not provided.
19. The engine jacket water and aftercooler thermostats are provided to satisfy the thermostatic valve references in part 2, products, 2.7 cooling system. No other thermostatic valves are provided.
20. The builder software and screen customization software described in part 2, products 2.10, paragraph G is not provided and not compatible with the Caterpillar control panel requested in the specification.
21. Engine alignment at the job site is not provided.
22. Addendum 1 & 2: A) Video of training session requested in addendum. Body of quote notes that no videography of training is provided. B) Engine expansion tanks were further clarified by addendum. Did not affect price.
23. Addendum # 3: Engine alternator deleted.

Thank you for the opportunity to quote this project.

Best Regards,

Joe Hofmann
Industrial Engine Sales
Yancey Power Systems
(770) 941-2424 Main
(770) 941-2411 Fax
(678) 945-2623 Direct
(770) 815-9058 Cell
joe_hofmann@yanceybros.com

Telephone and verbal orders are to be confirmed in writing. We reserve the right to correct stenographic or clerical errors. Yancey Power Systems is not responsible for occurrences beyond our control. This quotation is made subject to Yancey Power Systems Standard Terms and Conditions.

Thank you for your request and for your consideration of this quotation.

ACCEPTANCE

BY YANCEY POWER SYSTEMS

DATE

DATE



Quotation # 17JMH0040-01 – REV 2

Date Issued: July, 6 2017 – Quote valid for 30 days.

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1. CONTRACT. This order (even if oral) is being made and is expressly subject to these terms and conditions. All rights shall be reserved and shall be deemed approved. No understanding, promise, or representation, and no warranty, agreement to make, delivery of any of the provisions hereof shall be binding upon Vantage Power Systems ("Company") unless it is made in writing and expressly and unambiguously approved and accepted by everyone. You shall not rely on any statement or representation of any party, including without limitation, any Company sales representative, that these, when read together with the terms and conditions, will be a full statement of representation and shall be recognized by me as being binding upon Company. Any and all provisions of Buyer's Purchase Order or other documents that add to or differ from the above Terms and Conditions and UNPDS 857 (revised November 2010) shall be void and of no effect, and shall be deemed to be taken of Company without objection.

2. **QUOTATIONS AND PUBLISHED PRICES.** Quotations automatically expire thirty (30) calendar days from the date said index is published, stated in the Question and/or subject is published in the index within that period. Company reserves the right and is authorized to adjust such quotations up to six months from the date of expiration. Company prices for quotations and/or subject are quoted for a term which is determined for each quotation and is based on the adjustment. Prices shall be subject to adjustment to those in effect at time of shipment.

3. **TAXES.** Company's prior determination shall apply to all future years of similar taxes, and the amount of any deficiency which Company may be required to pay or collect will be added to or deducted from the amount of any other deficiency or credit which Company may be required to pay or collect. Where a deficiency is determined, the previously reported deficiency amount will be added to the deficiency. If prior deficiency determination is of similar tax matter, an exemption certificate provided by Buyer is deemed to be a Company's acknowledgment that the Company will attempt to acquire, or will attempt to cause to be acquired, adequate title to the property. If Buyer has much to furnish a valid exemption certificate and instead, that the Company is not required to furnish a valid exemption certificate, the amount of any deficiency will be added to the amount of any other deficiency or credit which Company may be required to pay or collect.

4. **TERMS.** I agree to observe the provided herein **TERMS ARE CASH NET THIRTY (30) DAYS**, from date of invoice. Amounts due that are subject to interest charges of 1% per month in relation thereto, or maximum cost of rate as permitted by law, and late payment will be applied first to service charges due. If Company claims that, in an event of the normal conduct of the Buyer's activities, the acceptance of production or shipment of the terms specified herein is not provided, Company may require full or partial payment in advance. The terms provided herein are subject to the customer or the practice by which service charges rate of payment or late with the terms of payment.

[illegible]

DELIVERY AND HANDLING CHARGES. Unless otherwise specified, shipments are FOB Factory. Delivery and handling charges will be prepaid and paid to a carrier on account of the shipment on terms of the bill of lading. Freight charges will be prepaid and paid to a carrier on account of the shipment on terms of the bill of lading. Freight charges will be prepaid and paid to a carrier on account of the shipment on terms of the bill of lading.

7. SHIPPING AND PACKING. All material shall be carefully packed for shipment and Company will not be responsible for loss, delay or damage by any carrier. After having received the goods under receipt, the carrier's liability for loss, delay or damage should be made on the carrier. Shipping weight and dimensions given in Company's materials are to be used as a guide only, but are not guaranteed. No claims will be allowed for loss or damage beyond the actual weight or dimensions shipped and listed data.

8. **SUBSTITUTIONS.** Unless specifically stated on a purchase order, Company retains the right to determine the latest acceptable design and material specifications for product when the market price of the product is based on time, use, and location, in place of the product ordered.

2. **CHANGES.** Buyer may, with the express written consent of Company, make changes in the specifications for equipment or work covered by the contract. In such event, the contract price and delivery date shall be equally adjusted. The Company shall be entitled to payment for a reasonable profit plus costs and expenses incurred by it for work and materials made available to it in connection with such changes, and for work and materials required to effect such change.

[illegible][illegible][illegible]

13. **DEFAULT.** Upon default and payment of the instrument with an interest for collection or repayment of the equipment, Borrower agrees to reimburse Lender for all reasonable attorneys' fees and costs incurred in connection therewith.

14. BUYER ACCEPTANCE. Any appropriate delivery or transfer shall be deemed to be fully accepted by Buyer only if a complete receipt is submitted to Buyer upon the delivery of the goods to Buyer.

15. **WARRANTIES.** COMPANY MAKES NO REPRESENTATION, GUARANTEE OR WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO QUALITY, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, THAT EXTENDS BEYOND THE DESCRIPTION OF EQUIPMENT, UNLESS REDUCED TO WRITING AND MADE A PART OF THIS CONTRACT. IN ADDITION, ALL

FOR A PARTICULAR PURCHASE, THAT ALL SUCH VENDOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE MANUFACTURER'S SUPPLY WARRANT.

16. **DISCLAIMER OF DAMAGES AND LIMITATION OF LIABILITY.** IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY TYPE OF SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR PAIN AND SUFFERING DAMAGES ARISING OUT OF OR AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT, NEGLIGENCE, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, INCLUDING DAMAGES ARISING OUT OF OR RESULTING FROM COMPANY'S GROSS NEGLIGENCE OR WILLFUL MISCONDUCT.

Such changes shall not bind, but shall be limited to the extent of proceeds or net income less cost of the equipment or loss on disposal of equipment, or both, as shown on the books, records and cost accounting records in the books of Buyer's customer or contractor for such changes. Buyer agrees that in the event of a transfer, assignment or loss of the equipment shall be considered Buyer shall not be responsible for the production attributed to it or the proceeds or net income thereby before.

Company shall not be held liable for loss, claim, expense or damage caused by a combination of factors or third parties and indirect causes, whether they be negligent or otherwise. In any case, shall Company's liability for payment of amounts due be reduced to the extent of the damage paid to the claim, whether the latter is caused by any individual or not, including physicians. Please, contact your local and United Nations branches for more details or for more information.

[illegible]

and companies pay a fee to use the code in order to protect their reputation as responsible firms.

18. NO RESPONSIBILITY FOR GRATUITOUS INFORMATION OR ASSISTANCE. If a company provides a Buyer with access to advice which concerns any part, product or service supplied by another or any system of equipment in which any part, product or service may be installed and which advice is not required pursuant to the terms of such contract, the manufacturer of such equipment or advice shall not subject the company to any liability whether based in contract, tort, strict or imputed negligence or otherwise.

19. **NONASSIGNMENT.** The order may not be assigned by Buyer, or its heirs, assigns or any part, whole or Company, or part of Union, or any other person, in whole or in part, without the written consent of the Seller.

20. **ENTIRE AGREEMENT AND AMENDMENT.** The Disposition constitutes the entire agreement between Company and Buyer with respect to the transaction, its transfer and its representation, in consideration that at least one of the parties has provided to the other a valuable benefit. Buyer shall be bound upon either party hereto.

1-2-07

4-23-07

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase 1
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following ADDENDA: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) No. 1 dated 6/12/17; No. 2 dated 6/23/17 & No. 3 dated 7/10/17

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of: Eight million nine hundred fifty six thousand
ninety dollars + 00/100 Dollars (\$ 8,956,090.00)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: Shavers-Whittle Construction, LLC

ADDRESS OF BIDDER: P. O. Box 1448

Mandeville, LA 70470-1448

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 36827

NAME OF AUTHORIZED SIGNATORY OF BIDDER: Gerard M. Whittle

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: Manager

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: 7-13-17

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with L.A. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by L.A. RS 38:2218.A is attached to and made a part of this bid.

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 450,000.00	\$ 450,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 75,000.00	\$ 75,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 85.00	\$ 10,200.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 5,500.00	\$ 5,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 1,750.00	\$ 1,750.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 50.00	\$ 46,875.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 15.00	\$ 15,525.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 2.00	\$ 2,830.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 25.00	\$ 138,500.00

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 85.00	\$ 14,450.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 100.00	\$ 8,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 3,000.00	\$ 6,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 25.00	\$ 16,625.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 1,800.00	\$ 1,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 2,200.00	\$ 809,600.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 7,500.00	\$ 37,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 110,000.00	\$ 110,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 750,000.00	\$ 750,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 40.00	\$ 140,800.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 1,250.00	\$ 48,750.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 4,000.00	\$ 4,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	2,000.00	2,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	175.00	37,625.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 15,000.00	\$ 15,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 10,000.00	\$ 10,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 85,000.00	\$ 85,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	125,000.00	125,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	600.00	189,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 500,000.00	\$ 500,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 10.00	\$ 114,100.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 16.00	\$ 80,160.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 850.00	\$ 544,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ____ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 50,000.00	50,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 25,000.00	\$ 25,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 7,500.00	\$ 7,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 570,000.00	\$ 570,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 350,000.00	\$ 350,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 500,000.00	\$ 500,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 800,000.00	\$ 800,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 70,000.00	\$ 70,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 300,000.00	\$ 300,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 250,000.00	\$ 250,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 60,000.00	\$ 60,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 60,000.00	\$ 60,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 60,000.00	\$ 60,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Raw Water System			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 150,000.00	\$ 150,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Domestic Water System			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 50,000.00	\$ 50,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Cooling Water System			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 175,000.00	\$ 175,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Electrical Materials and Methods			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 160,000.00	\$ 160,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Lighting System			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 55,000.00	\$ 55,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 225,000.00	\$ 225,000.00


DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Medium Voltage Power Distribution System			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 140,000.00	\$ 140,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 17,000.00	\$ 17,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Power System Study			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 5,500.00	\$ 5,500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Process Control and Instrumentation Systems			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 400,000.00	\$ 400,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Piping Insulation System			
REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 80,000.00	\$ 80,000.00

📍 2525 Quail Drive, Baton Rouge, 70808 📞 (225) 765-2301 

Louisiana State Licensing Board for Contractors

Contractor Information

Business Name SHAVERS-WHITTLE CONSTRUCTION, L.L.C.
 Mailing Address P. O. Box 1448
 Mandeville, LA 70470
 Phone Number (985) 626-7673
 Fax Number (985) 727-1586
 Email Address gwhittle@swllc.net

Active Licenses

License Number 36827
 Type Commercial License
 Status LICENSED
 Effective 05/25/2017
 Expiration 05/24/2020
 First Issued 05/24/2000

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Whittle, Gerard M.	ALL
BUSINESS AND LAW	Connie B. Whittle	ALL
BUSINESS AND LAW	Whittle, Gerard M.	ALL
HEAVY CONSTRUCTION	Whittle, Gerard M.	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Whittle, Gerard M.	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Whittle, Gerard M.	ALL

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, _____

SHAVERS-WHITTLE CONSTRUCTION, LLC

as PRINCIPAL, and

HARTFORD ACCIDENT AND INDEMNITY COMPANY

as SURETY, are held

and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

FIVE PERCENT OF THE AMOUNT BID

DOLLARS (\$ 5%) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated JULY 13, 2017, for:

NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13TH day of JULY, 2017, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of: _____
(Individual Principal)

(Business Address, including Zip Code)

(Partnership) (SEAL)

(Business Address, including Zip Code)

ATTEST:

BY: See attached
Resolution

(Corporate Principal)

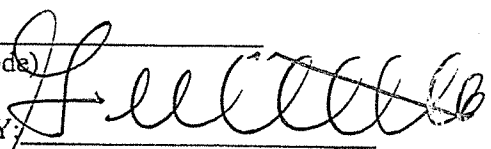
SHAVERS-WHITTLE CONSTRUCTION, LLC

P.O. BOX 1448, MANDEVILLE, LA 70470

(Business Address, including Zip Code)

ATTEST:

SEE ATTACHED POWER OF ATTORNEY

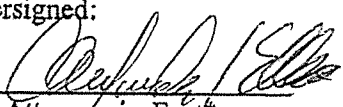
BY: 
AFFIX CORPORATE SEAL
Gerard M. Whittle, Manager

HARTFORD ACCIDENT AND INDEMNITY COMPANY
(Corporate Surety)


ONE HARTFORD PLAZA, HARTFORD, CT 06115

(Business Address, including Zip Code)

Countersigned:

BY: 
Attorney-in-Fact* ALEXANDER J. ELLSWORTH

State of LOUISIANA

BY: 
AFFIX CORPORATE SEAL
ALEXANDER J. ELLSWORTH
ATTORNEY-IN-FACT

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD

Bond T-12

One Hartford Plaza

Hartford, Connecticut 06155

email: bond.claims@thehartford.com

call: 888-266-3488 | fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 43-480815

- ☒ **Hartford Fire Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
☒ **Hartford Casualty Insurance Company**, a corporation duly organized under the laws of the State of Indiana
☒ **Hartford Accident and Indemnity Company**, a corporation duly organized under the laws of the State of Connecticut
☐ **Hartford Underwriters Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
☐ **Twin City Fire Insurance Company**, a corporation duly organized under the laws of the State of Indiana
☐ **Hartford Insurance Company of Illinois**, a corporation duly organized under the laws of the State of Illinois
☐ **Hartford Insurance Company of the Midwest**, a corporation duly organized under the laws of the State of Indiana
☐ **Hartford Insurance Company of the Southeast**, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of Unlimited** :

Brian P. Bordlee, Charles F. Cowand, Anthony Currera, Alexander J. Ellsworth, William H. Ellsworth, Michele M. Ellsworth, Lauren T. Guillory, Ralph J. LeBlanc of METAIRIE, Louisiana

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by ☒ and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on August 1, 2009, the Companies have caused these presents to be signed by its Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray

John Gray, Assistant Secretary

M. Ross Fisher

M. Ross Fisher, Vice President

STATE OF CONNECTICUT

COUNTY OF HARTFORD

ss. Hartford

On this 12th day of July, 2012, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Kathleen T. Maynard

Kathleen T. Maynard
Notary Public

My Commission Expires July 31, 2016

I, the undersigned, Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of **JULY 13, 2017**
Signed and sealed at the City of Hartford.



Kevin Heckman

Kevin Heckman, Assistant Vice President

**CERTIFIED RESOLUTIONS OF THE MEMBERS
OF
SHIVERS-WHITTLE CONSTRUCTION, L.L.C.**

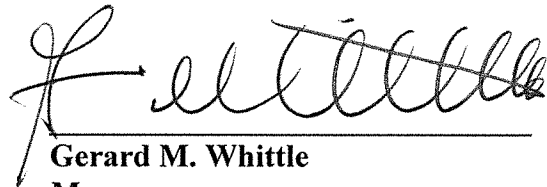
BE IT RESOLVED, that Gerard M. Whittle and Christopher Rayer, the only two current Managers of the Company, are each fully authorized and empowered, acting alone, to execute any all documents in connection with the business affairs of the said Company, with full power and authority to act on behalf of the Company in all negotiations, bidding, concerns and transactions with any private entity or public body, or any of its agencies, departments, employees or agents, including but not limited to, the execution of all bids, papers, documents, affidavits, bonds, sureties, contracts and acts and to receive all purchase orders and notices issued pursuant to the provisions of any such bid or contract, the Company hereby ratifying, approving, confirming, and accepting each and every such act performed by said Manager.

BE IT FURTHER RESOLVED, that each Manager of the Company is authorized and empowered to do any and all things necessary in furtherance of any of the above transactions with this Company.

CERTIFICATE

The undersigned Manager of Shivers-Whittle Construction, L.L.C. does hereby certify that the foregoing resolutions were duly adopted at a meeting of the Members on February 27, 2017 and that such resolutions remain in full force and effect.

Witness my signature this 13th day of July, 2017.



Gerard M. Whittle
Manager

Tom Schedler
SECRETARY OF STATE

State of Louisiana
Secretary of State



August 3, 2015

COMMERCIAL DIVISION
225.925.4704

Administrative Services

225.932.5317 Fax

Corporations

225.932.5314 Fax

Uniform Commercial Code

225.932.5318 Fax

The attached document of SHAVERS-WHITTLE CONSTRUCTION, L.L.C. was received and filed on July 31, 2015.

AP 34930146K

Tom Schedler
Secretary of State



**NOTICE OF CHANGE OF MEMBERS AND/OR MANAGERS
OF A LIMITED LIABILITY COMPANY**

Enclose \$25 Filing Fee
Domestic Limited Liability Company
Make remittance payable to Secretary of State

Do Not Send Cash

Return to: Commercial Division
P. O. Box 94125
Baton Rouge, LA 70804-9125
Phone (225) 925-4704
Web Site: www.sos.la.gov

Limited Liability Company Name: SHAVERS-WHITTLE CONSTRUCTION, L.L.C.

REMOVAL OF MEMBERS AND/OR MANAGERS

Notice is hereby given that the above named limited liability company authorized the removal of the following:
Only the titles indicated will be removed.

Connie Barrois Whittle, Manager

Name and Title

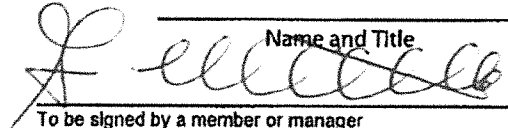
Name and Title

Name and Title

Name and Title

Name and Title

Name and Title


To be signed by a member or manager

7-31-15

Date

Gerard M. Whittle, Manager

ADDITION OF MEMBERS AND/OR MANAGERS

Notice is hereby given that the above named limited liability company has authorized the addition of the following: *Only the titles indicated will be added.*

Name and Title

Municipal Address

Name and Title

Municipal Address

Name and Title

Municipal Address

Name and Title

Municipal Address

To be signed by a member or manager

Date

Tom Schedler
SECRETARY OF STATE

State of Louisiana
Secretary of State



August 3, 2015

COMMERCIAL DIVISION
225.925.4704

Administrative Services

225.932.5317 Fax

Corporations

225.932.5314 Fax

Uniform Commercial Code

225.932.5318 Fax

The attached document of SHAVERS-WHITTLE CONSTRUCTION, L.L.C. was received and filed on July 31, 2015.

AP34930146K

ARTICLES OF AMENDMENT	*	UNITED STATES OF AMERICA
	*	
TO	*	
	*	
ARTICLES OF ORGANIZATION	*	STATE OF LOUISIANA
	*	
OF	*	
	*	
SHAVERS-WHITTLE CONSTRUCTION, L.L.C.	*	PARISH OF ST. TAMMANY
	*	

BE IT KNOWN, that on this 31st day of July, 2015.

BEFORE ME, the undersigned, a Notary Public, duly commissioned and qualified in and for the Parish of St. Tammany, State of Louisiana, and in the presence of the witnesses hereinafter named and undersigned;

PERSONALLY CAME AND APPEARED, Gerard M. Whittle, Connie Barrois Whittle and Christopher Rayer, the Members of Shavers-Whittle Construction, L.L.C., herein appearing and acting for Shavers-Whittle Construction, L.L.C., a limited liability company organized under the laws of the State of Louisiana, who declared that pursuant to the Unanimous Written Consent of the Members of the Company, dated as of the 31st day of July, 2015, a multiple original of which is hereunto annexed and made a part hereof, they now appear for the purpose of executing this act of amendment and putting into authentic form the amendments so adopted by the Members of said Company.

And the appearer further declared that by said Unanimous Written Consent of the Members of said Company, it was resolved that the Articles of Organization of said company be amended by deleting Article III in its entirety and replacing it with the following:

ARTICLE III. MANAGEMENT

The affairs of this limited liability company shall be managed by managers. The current managers of this limited liability company are Gerard M. Whittle and Christopher Rayer. The authority of the managers to bind this limited liability company and all other matters pertaining to the operations of this limited liability company are contained in a written operating agreement. Persons dealing with the limited liability company may rely on a certificate signed by Gerard M. Whittle as Secretary to establish the membership of any member, the authority of any person to act on behalf of the limited liability company, or the authority of any person to act on behalf of the limited liability company, or the authority of any manager, the authenticity of any records of the limited liability company, or the authority of any person to act on behalf of the limited liability company, including but not limited to the authority to take actions referred to in Louisiana Revised Statutes 12:1318(B).

THUS, DONE AND PASSED in the Parish of St. Tammany, State of Louisiana, in multiple original, on the day, month, and year first hereinabove written, in the presence of the undersigned competent witnesses, who hereunto sign their names, together with appearers and me, Notary, after reading of the whole.

WITNESSES:

Lisa Jones
Print Name: Lisa Jones

Nicholle Dillard
Print Name: Nicholle Dillard

~~Shavers-Whittle Construction, L.L.C.~~

By: *Gerard M. Whittle*
Gerard M. Whittle,
Member

By: *Connie Barrois Whittle*
Connie Barrois Whittle,
Member

By: *Christopher Rayer*
Christopher Rayer,
Member

Calvin P. Brasseaux
Calvin P. Brasseaux, Notary Public
Bar Roll No.: 01728
Parish of St. Tammany
State of Louisiana

Tom Schedler
Secretary of State

**State of
Louisiana
Secretary of
State**



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
SHAVERS-WHITTLE CONSTRUCTION, L.L.C.	Limited Liability Company	MANDEVILLE	Active

Previous Names

SHAVERS-WHITTLE CONSTRUCTION, INC. (Changed: 12/31/2007)

Business: SHAVERS-WHITTLE CONSTRUCTION, L.L.C.

Charter Number: 34930146K

Registration Date: 4/24/2000

Domicile Address

815 RAPATEL ST.
MANDEVILLE, LA 70448

Mailing Address

P.O. BOX 1448
MANDEVILLE, LA 704701448

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 4/24/2000

Last Report Filed: 3/25/2017

Type: Limited Liability Company

Registered Agent(s)

Agent:	CALVIN P. BRASSEAU
Address 1:	C/O JONES FUSSELL, L.L.P.
Address 2:	1001 SERVICE RD. E, HWY. 190, STE. 103
City, State, Zip:	COVINGTON, LA 70433
Appointment Date:	12/31/2007

Officer(s)

Additional Officers: No


Officer:	GERARD M. WHITTLE
Title:	Manager
Address 1:	815 RAPATEL ST.
City, State, Zip:	MANDEVILLE, LA 70448

Officer:	CHRISTOPHER RAYER
Title:	Manager
Address 1:	815 RAPATEL ST.

City, State, Zip: MANDEVILLE, LA 70448**Amendments on File (5)**

Description	Date
Amendment	9/8/2005
Conversion	12/31/2007
Name Change	12/31/2007
Amendment	7/31/2015
Appointing, Change, or Resign of Officer	7/31/2015

Print

CERTIFICATE OF LIABILITY INSURANCE				DATE (MM/DD/YY) 6/22/2017		
PRODUCER Ellsworth Corporation P. O. Box 8210 Metairie, LA 70011-8210			THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.			
INSURED Shavers-Whittle Construction, L.L.C. P. O. Box 1448 Mandeville, LA 70470			COMPANIES AFFORDING COVERAGE			
			COMPANY A THE GRAY INSURANCE COMPANY			
			COMPANY B			
			COMPANY C			
			COMPANY D			
COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT	XSGL-074178	7/1/2015	7/1/2018	GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	Unlimited \$3,000,000.00
					PERSONAL & ADV INJURY	\$1,000,000.00
					EACH OCCURRENCE	\$1,000,000.00
					FIRE DAMAGE (Any one fire)	\$50,000.00
					MED EXP (Any one person)	\$5,000.00
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	XSAL-075174	7/1/2015	7/1/2018	COMBINED SINGLE LIMIT	\$1,000,000.00
					BODILY INJURY (Per person)	
					BODILY INJURY (Per accident)	
					PROPERTY DAMAGE	
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT	
					OTHER THAN AUTO ONLY	
					EACH ACCIDENT	
					AGGREGATE	
A	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input checked="" type="checkbox"/> OTHER THAN UMBRELLA FORM	GXS-043268	7/1/2017	7/1/2018	EACH OCCURRENCE	\$4,000,000.00
					AGGREGATE	\$4,000,000.00
A	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/ PARTNERS/EXECUTIVE OFFICERS ARE: <input checked="" type="checkbox"/> INCL <input type="checkbox"/> EXCL	XSWC-070892	7/1/2015	7/1/2018	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH ER	
					EL EACH ACCIDENT	\$1,000,000.00
					EL DISEASE - POLICY LIMIT	\$1,000,000.00
					EL DISEASE - EA EMPLOYEE	\$1,000,000.00
OTHER						
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS The certificate holder is an additional insured on all policies except Workers' Compensation and is provided a Waiver of Subrogation, all if required by written contract. The above insurance policies shall be primary and noncontributory to any other insurance policies maintained by the certificate holder, if required by written contract.						
CERTIFICATE HOLDER Parish of Jefferson Attn: Purchasing Department 200 Derbigny Street, Suite 4400 Gretna, LA 70053			CANCELLATION In the event of cancellation by The Gray Insurance Company and if required by written contract, 30 days written notice will be given to the Certificate Holder.			
			AUTHORIZED REPRESENTATIVE			
						
GCF 00 50 01 01 12			THE GRAY INSURANCE COMPANY			

THE GRAY INSURANCE COMPANY

The below coverages apply if the corresponding policy number is indicated on the previous page.

A. Commercial General Liability

General Liability Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured (CGL Form# CG 20 10 11 85) when required by written contract.

Primary Insurance Wording Included when required by written contract.

Broad Form Property Damage Liability including Explosion, Collapse and Underground (XCU).

Premises/Operations

Products/Completed Operations

Contractual Liability

Sudden and Accidental Pollution Liability

Occurrence Form

Personal Injury

"In Rem" Endorsement

Cross Liability

Severability of Interests Provision

"Action Over" Claims

Independent Contractors coverage for work sublet

Vessel Liability - Watercraft exclusion has been modified by the vessels endorsement on scheduled equipment.

General Aggregate applies per project or equivalent.

B. Automobile Liability Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured when required by written contract.

C. Workers Compensation Policy Includes:

Blanket Waiver of Subrogation when required by written contract.

U.S. Longshoremen's and Harbor Workers Compensation Act Coverage

Outer Continental Shelf Land Act

Jones Act (including Transportation, Wages, Maintenance, and Cure),

Death on the High Seas Act & General Maritime Law.

Maritime Employers Liability Limit: \$1,000,000

Voluntary Compensation Endorsement

Other States Insurance

Alternate Employer/Borrowed Servant Endorsement

"In Rem" Endorsement

Gulf of Mexico Territorial Extension

D. Excess Liability Policy Includes:

Coverage is excess of the Auto Liability, General Liability, Employers Liability, & Maritime Employers Liability policies

Blanket Waiver of Subrogation when required by written contract.

Blanket Additional Insured when required by written contract.



SHAVCON-02

HMARTINO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

06/22/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Ellsworth Corporation 3636 S. I-10 Service Road W. Suite 100 Metairie, LA 70001	CONTACT NAME: Holly Martino	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
INSURED Shavers-Whittle Construction, LLC P. O. Box 1448 815 Rapatel St. (70448) Mandeville, LA 70470	E-MAIL ADDRESS: HollyM@ellsworthcorporation.com	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Alterra America Insurance Company	
	INSURER B:	
	INSURER C:	
	INSURER D:	
INSURER E:		
INSURER F:		
NAIC #		
21296		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			BINDER	07/01/2017	07/01/2018	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 EXCESS OF GRAY \$ 5,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N N/A If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Above policy is \$10,000,000 Excess \$4,000,000 Excess Primary.

CERTIFICATE HOLDER

CANCELLATION

Parish of Jefferson Attn: Purchasing Department 200 Derbigny St., Ste 4400 Gretna, LA 70053	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Holly Martino</i>

135068

Form W-9
(Rev. November 2005)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return):
Shavers-Whittle Construction, Inc.

Business name, if different from above

Check appropriate box: ☐ Individual/
Sole proprietor ☒ Corporation ☐ Partnership ☐ Other ▶ ☐ Exempt from backup
withholding

Address (number, street, and apt. or suite no.):
P.O. Box 5467

City, state, and ZIP code:
Covington, LA 70434

Requester's name and address (optional)

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number

--	--	--	--	--	--	--	--	--	--

or

Employer identification number

7	8	1	4	7	1	4	6	3
---	---	---	---	---	---	---	---	---

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

Sign Here Signature of U.S. person ▶ Nicholas C. Dillard Date ▶ 12-6-07

Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee.

In 3 above, if applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

For federal tax purposes, you are considered a person if you are:

- An individual who is a citizen or resident of the United States,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, or
- Any estate (other than a foreign estate) or trust. See Regulations sections 301.7701-6(a) and 7(a) for additional information.

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

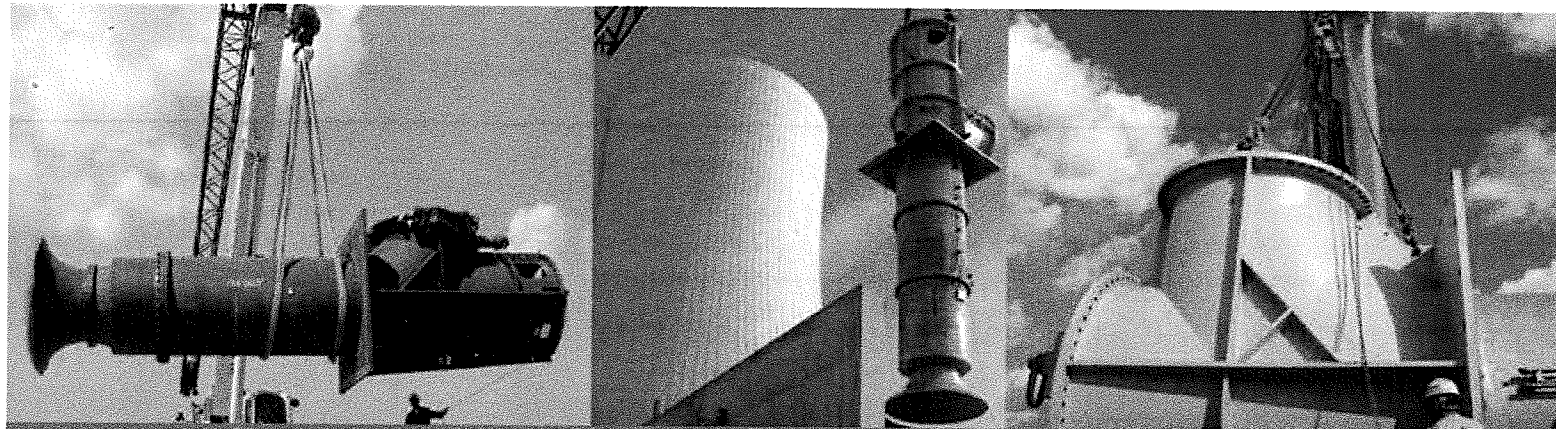
The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

July 13, 2017

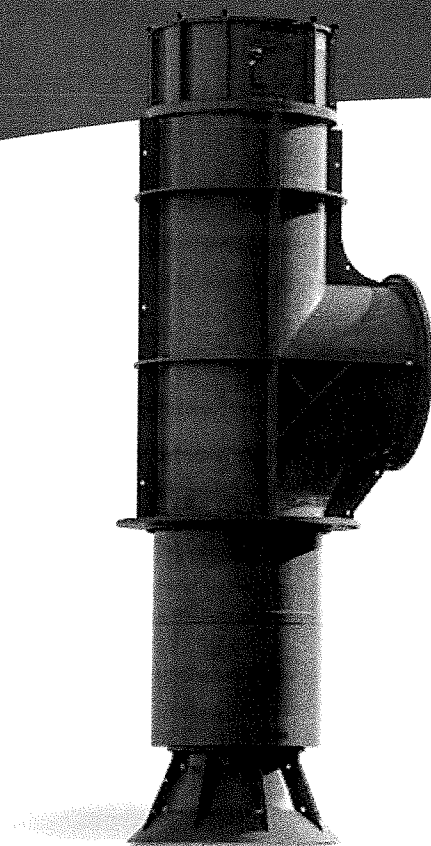
**NEW PARISH LINE DRAINAGE PUMP STATION
IMPROVEMENTS PHASE I
SECTION 15131-11.1 PUMP DATA SUBMITTAL
OF PROPOSED APPROVED SUPPLIERS**

**FLYGT A-C- SERIES PUMP
(FORMERLY ALLIS CHALMERS PUMP, INC.)**



Flygt A-C Series Large Vertical Column Pumps

THE MOST ENERGY-EFFICIENT PUMPS ON THE MARKET



FLYGT
a xylem brand

Flygt A-C Series Large Vertical Column Pumps

Flygt (formerly Allis Chalmers Pump, Inc.) has over 130 years of design and manufacturing experience in pumps and pumping systems. Flygt innovation has kept pace with today's demand for higher efficiency, greater reliability and state of the industry manufacturing standards. Numerous impeller designs are available in single and multiple stage configurations to cover a wide range of operating conditions to better meet your needs. Flygt designs offer industry leading efficiencies of up to 92%. The rugged heavy duty construction, cast bowl components and conservative mechanical design minimize vibration and provide for long term trouble free operation. The experience, capability, on-time delivery, support during installation/maintenance and performance of equipment has earned Flygt the reputation as one of the most reliable pump manufacturers in the world.

Flygt A-C Series vertical column pumps are custom engineered for each individual project with the materials and features to meet the project requirements. Typical applications for vertical column pumps are in Power Generation, Water & Waste Water, General Industrial, Irrigation and Flood Control. Pump sizes ranging from 24 inches up to 144+ inches in diameter allow Flygt to tailor fit the pump to meet the specific requirements of your application.

1. DRIVER PEDESTAL

Heavy duty fabrication designed with openings to provide access to the pump coupling and stuffing box.

2. STUFFING BOX

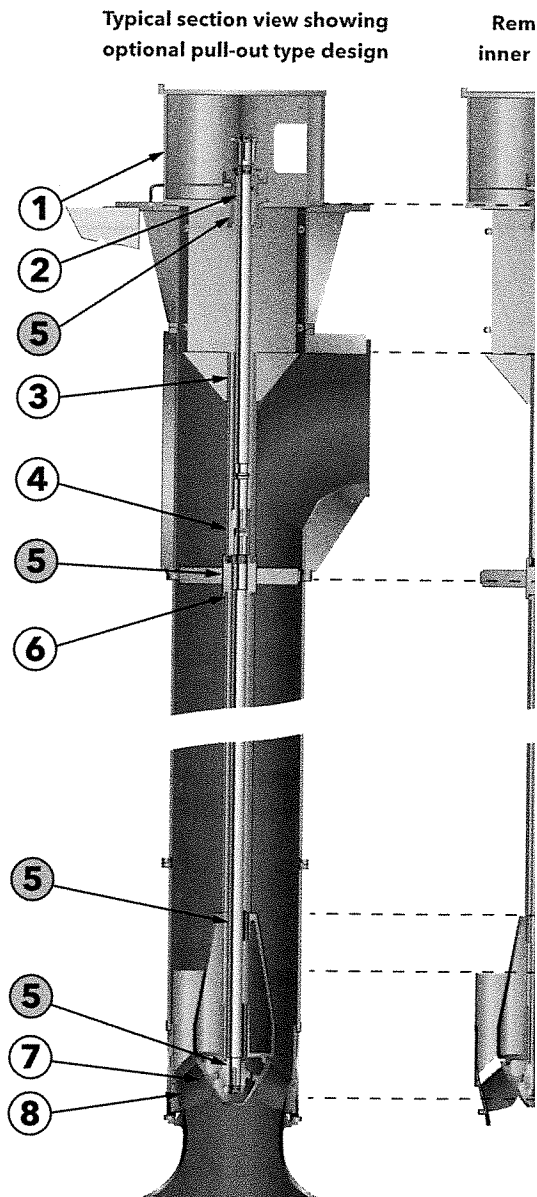
Packed with graphite impregnated PTFE material, it reduces resistance and prolongs shaft sleeve life. An easily accessible split gland simplifies packing adjustment and replacement.

3. SHAFT TUBE

Protects the shaft from the pumped fluid and provides a passage for bearing lubrication. One end of the shaft tube is provided with an o-ring sliding fit to allow for thermal expansion and for ease of disassembly and reinstallation. Pumps can also be provided without shaft tubes (open line shafting) for self lubricated applications.

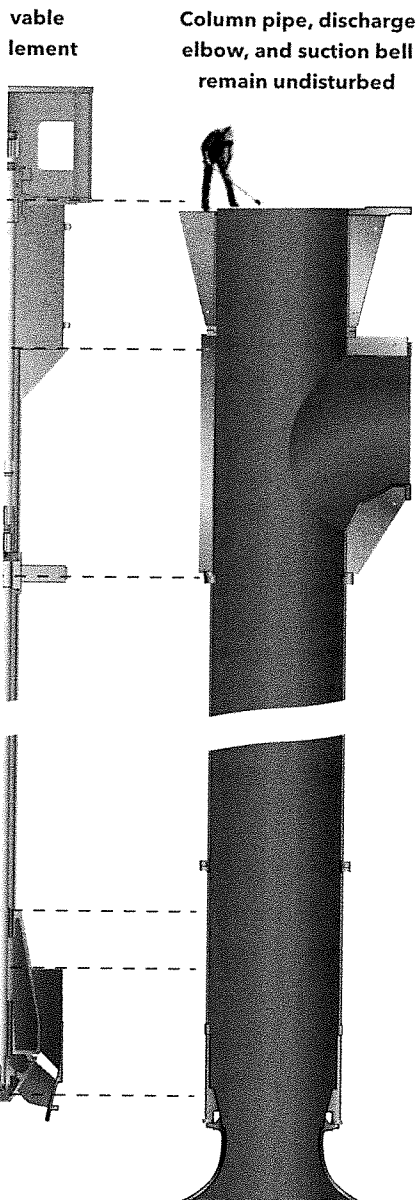
4. INTERMEDIATE COUPLING

(When required) Solid sleeve design provides a rigid transmission of power and torque through the shafts. The coupling is positively driven via coupling keys and transmits thrust loads via the split thrust ring design.

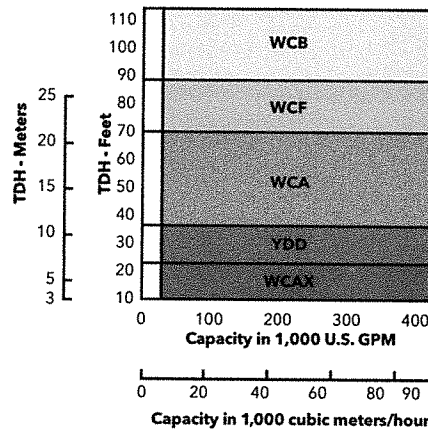


Customized Pumping Solutions

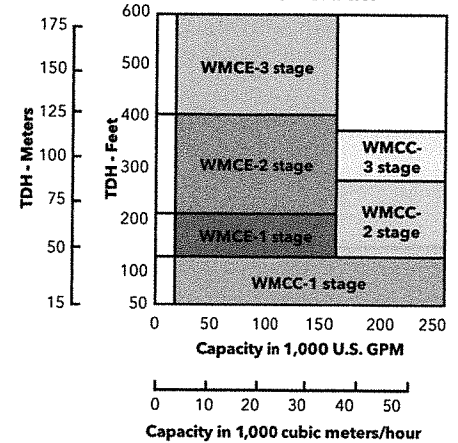
Flygt A-C Series pumps are available in above floor or below floor configurations; two floor installations, with thrust bearings in the pump or motor; and nearly unlimited material configurations. Flygt also offers the option for a true pull-out element configuration (as shown below) on our semi-enclosed impeller pumps. The pull-out design substantially reduces maintenance and downtime costs by allowing removal of the inner element without disturbing the suction bell, column pipes, discharge elbow and discharge piping. Column size for a given capacity is not affected by the "pull-out" design and there is no sacrifice in pumping performance. The sliding and conical fits assure proper alignment upon reassembly. The inner element is completely removable through the top of the pump thus eliminating the need to drain or enter the sump during maintenance. When the time comes to restore system efficiency, simply replace the wear components and your pump is ready for many more years of reliable performance.



**LOW TO MEDIUM HEAD PUMPS
RANGE CHART**



**HIGH HEAD PUMPS
RANGE CHART**



5. BEARINGS

Upper and lower bearings are rigidly mounted from the top of the pump and diffuser. The impeller is overhung from the diffuser bearing offering increased efficiency and a reduced chance of clogging. Bearing spacing is conservatively designed using a lateral critical speed analysis. When required, intermediate bearings are installed and supported via the bearing spiders which are fitted to the column pipe. Bearings are typically either fluted rubber or elastomeric sleeve type bearings designed for water lubrication. Grease lubricated bearings are an option when desired.

6. SHAFT SLEEVES

Provided at all bearing locations and the stuffing box to prevent the shaft from wearing. The hardened alloy sleeves extend service life and are designed for easy replacement.

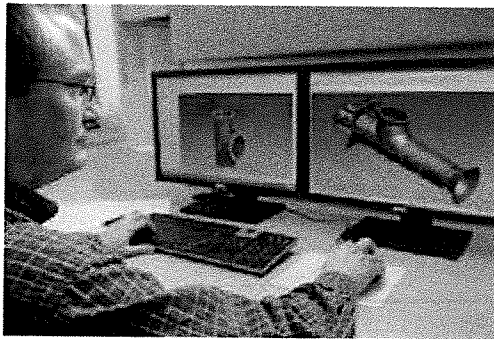
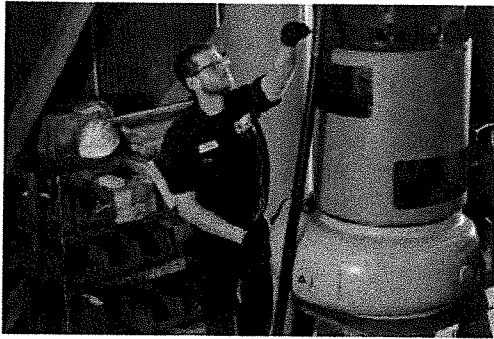
7. IMPELLER

Single suction, mixed flow, and rugged cast construction. Impellers are cast in a single piece. The vanes are formed by accurately set cores thus assuring even thickness and vane spacing. Impellers are balanced to an ISO/ANSI G2.5 quality level.

8. IMPELLER CONE

Separately cast component of same material as impeller for long wear life and reduced downtime. Design permits economical renewal of clearances.

The Flygt Advantage



PERFORMANCE TESTING - with testing capabilities up to 300,000 gpm (68,000 m³/hr) the performance of your pump can be accurately verified before it leaves the factory.

CRITICAL SPEED ANALYSIS - performed on every rotor to ensure that the first critical speed is well above the pump operating speeds.

MECHANICAL DESIGN ANALYSIS - performed on every pump to determine the proper shaft size, bearing spans, wall thickness, bolting sizes & quantities, and other critical design features.

FEA & CFD ANALYSIS - in-house Finite Element Analysis and Computerized Fluid Dynamics analysis are available to ensure that there are no system resonant frequency or hydraulic concerns.

START-UP ANALYSIS - determines the optimal starting sequence between the pump, motor and control valve, and confirms the ability of the drive to start the pump under any number of possible circumstances. Available upon request.

EXPERIENCED CUSTOM DESIGNS - every order is custom designed to match the specific pump configuration, mechanical design, hydraulic requirements and materials of construction dictated by the application and the contract documents.

PUMP QUALITY - all pump components and assemblies are inspected and documented in accordance with Flygt ISO 9000 certified quality program. Any special contract requirements are incorporated into the Inspection and Test Plan developed for each contract.

MODEL TEST DATA - the high efficiency hydraulics for each pump design have been extensively model tested over the full range of impeller diameters/tilts. Model testing in a closed loop system provides accurate measurement of all pump performance characteristics along with NPSHr values, hydraulic thrust values and the development of three quadrant curves (Karman-Knapp curves).

xylem
Let's Solve Water

Flygt is a brand of Xylem, whose 12,000 employees are addressing the most complex issues in the global water market.

Xylem Water Solutions U.S.A., Inc.
N27 W23293 Roundy Drive
Pewaukee, WI 53072 U.S.A.
Phone: 262-548-8181
e-mail: flygtac@xyleminc.com

www.xyleminc.com



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Pump cross-section and materials list...

Guaranteed Performance and Pump Data...

Pump Performance Curve...

Lube water flow diagram...

Speed Torque Curve...

Three Quadrant Curve...

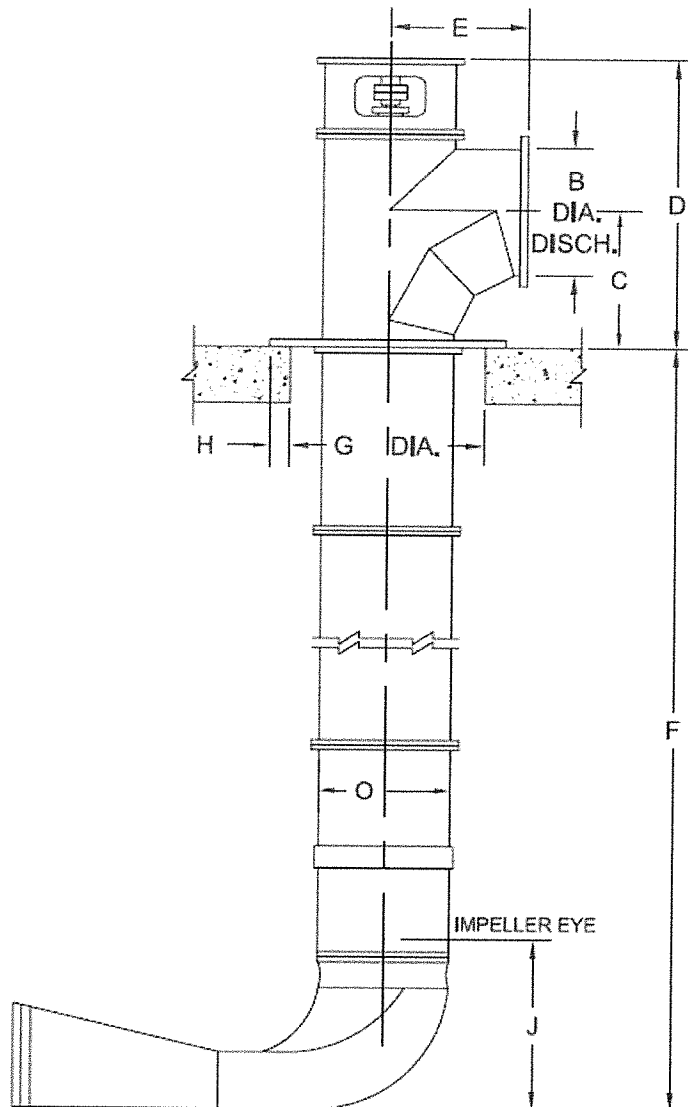
User's list...

Assembly after delivery...

Service Rates...

Special Tools...

72 WCAx



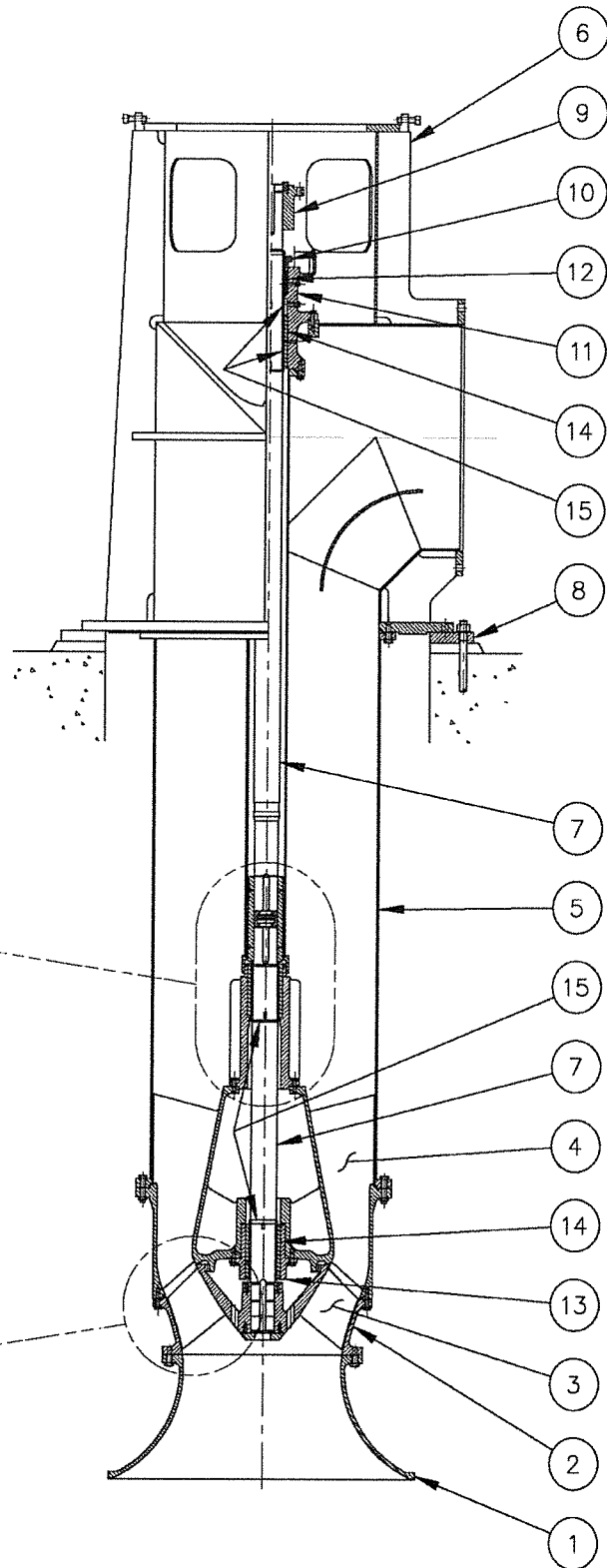
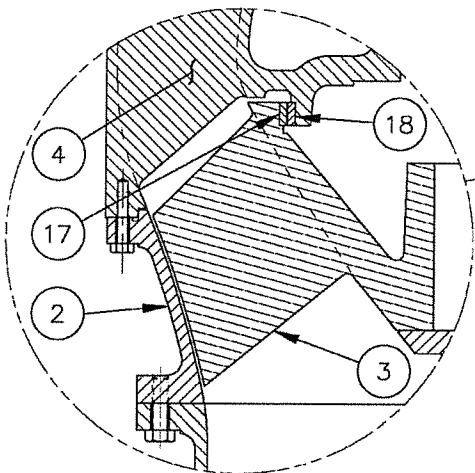
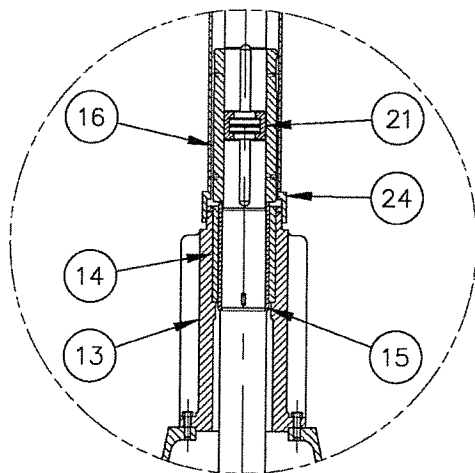
Dimensions in Inches

B	=	72
C	=	84
D	=	179
E	=	60
F	=	192
G	=	84
H	=	6
J	=	80
O	=	72

Dimensions are approximate and
subject to change.

'd' dimension for FSI is 58.2"

ITEM	DESCRIPTION	MATERIAL
1	SUCTION BELL	NA
2	IMPELLER CONE	A743 CF3M
3	IMPELLER	A743 CF3M
4	DIFFUSER	A536 GR65-45-12
5	PIPE COLUMN	A36
6	DISCHARGE ELBOW	A36
7	SHAFT	A276, Type 410 SS
8	SOLEPLATE	A36
9	ADJUSTABLE COUPLING	A668, CL D
10	GLAND	B148, C95400
11	STUFFING BOX	A48 CL30
12	PACKING	PTFE
13	BEARING HOUSING	A48 CL30
14	BEARING	Thordon SXL
15	SHAFT SLEEVE	A743 CA40
16	INTER. SHAFT COUPLING	A743 CA15
17	IMPELLER RING (OPT.)	A743 CA40
18	DIFFUSER RING (OPT.)	A743 CA40
19		
20		
21	SHAFT RETAINING RING	A276, Type 410 SS
22		
23		
24	SHAFT TUBE	A36




 PEWAUKEE, WI USA

xylem

NAME COLUMN PUMP
 ABOVE FLOOR DISCHARGE
 NON-PULLOUT WITH
 ENCLOSED LINESHAFT

08-219-815-403

CONFIDENTIAL - PROPERTY OF XYLEM INC.



Xylem
Flygt Pump 72 WCAX

Customer: Jefferson Parish
Project: Parish Line
Xylem- Flygt A-C Pump Proposal No.: CP09199
Date: July 12, 2017

Pump Data Sheet

Service: Flood Control

Quantity: 1

Pump Fluid: Storm Drainage

Specific Gravity: 1.0

Pump Model No.: 72 WCAX

Pump Type: Wet Pit

No. of Stages: 1 Stage

Operating Speed, rpm: 283

Rated Capacity, gpm: 157,091

Rated TDH, ft.: 18.4

Pump Efficiency at rating, %: 80

Pump BHP at rating: 913hp

Pump Performance Curve No.: 78170G

Driver Type: 1475hp, 1200rpm diesel engine thru right angle gear 4.2:1 ratio

Water lubrication flow and pressure: 11gpm to bearings, 1-2gpm to packing, at 30-35psi

Approximate pump weight including pump support and driver pedestal: 73,000 lbs

Approximate weight of the rotating element: 9,000 lbs

WK² pump rotating element: 16,000 lb-ft

Hydraulic Downthrust at shutoff: 86,000 lbs

Hydraulic Downthrust at rated: 45,000 lbs

Guarantee Performance at Rated Point:

Capacity: 157091gpm

Total Head: 18.4' TDH

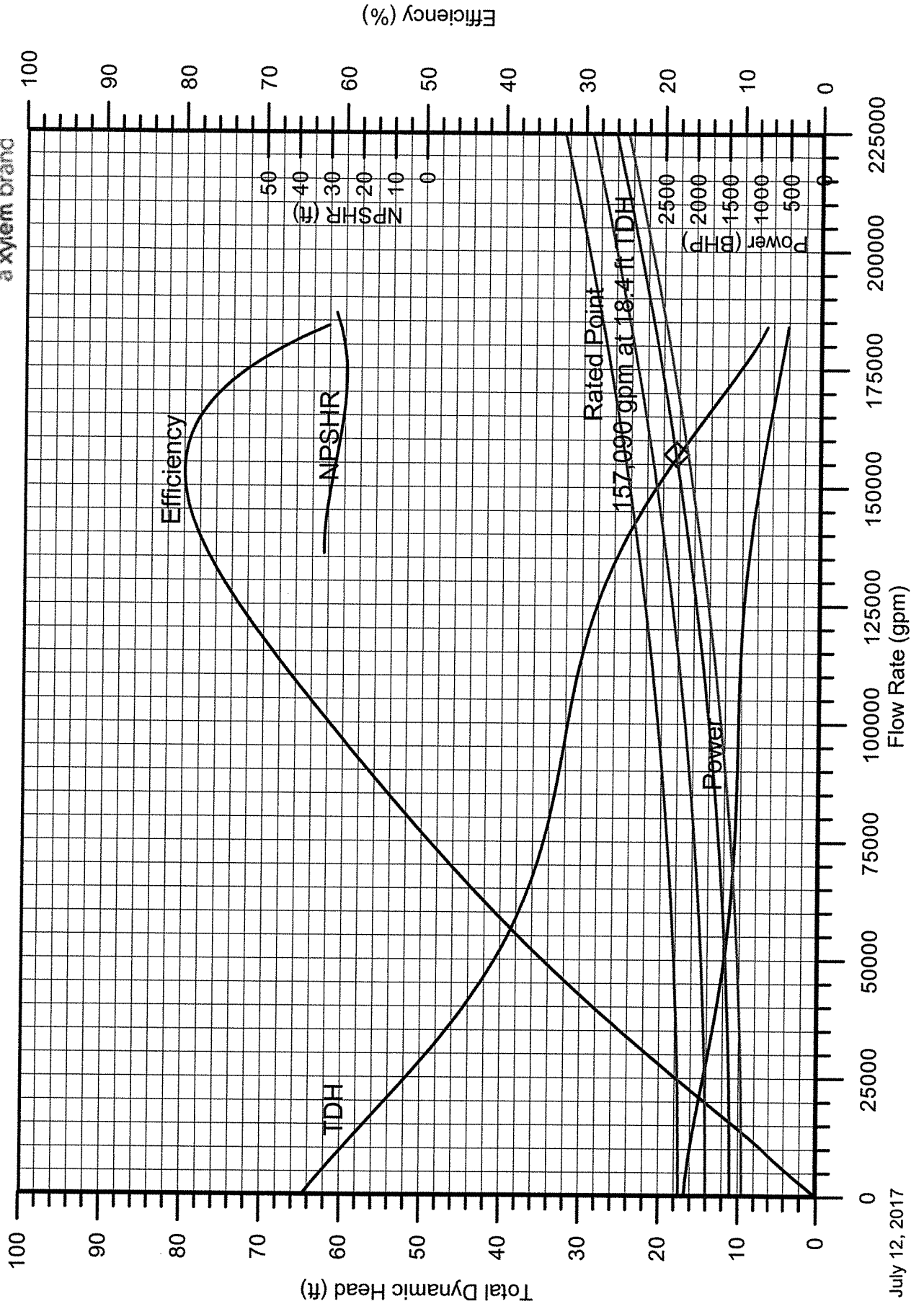
NPSHr: 28'

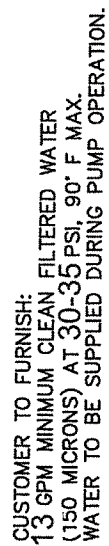
Pump Efficiency: 80%*

Pump Speed: 283rpm

*Pump efficiencies include all internal losses including the FSI

Parish Line Station
 Flygt Curve Number 78170G
 72 WCAX at 283 RPM



[illegible]

FLYGT

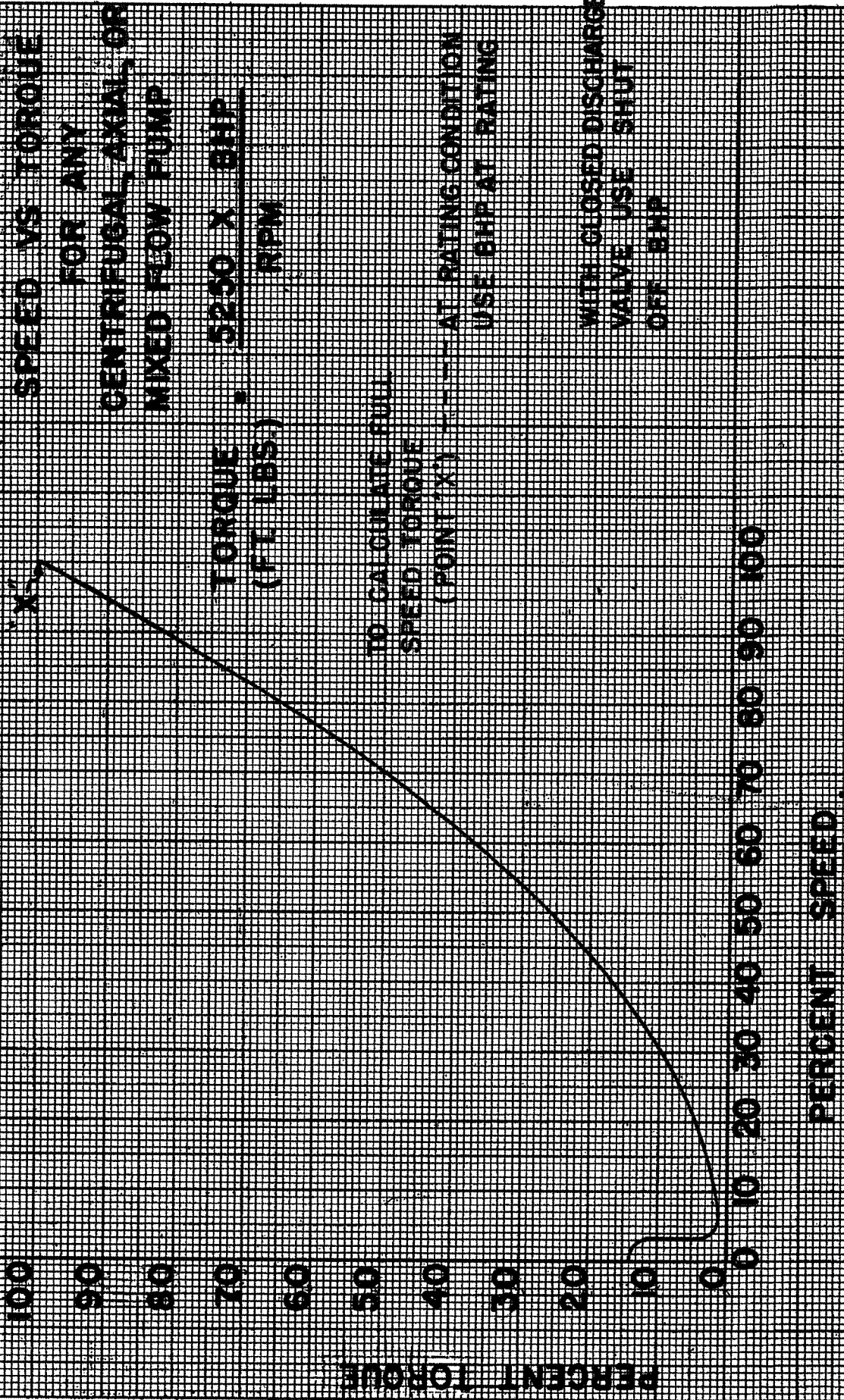
PEWAUKEE, WI USA

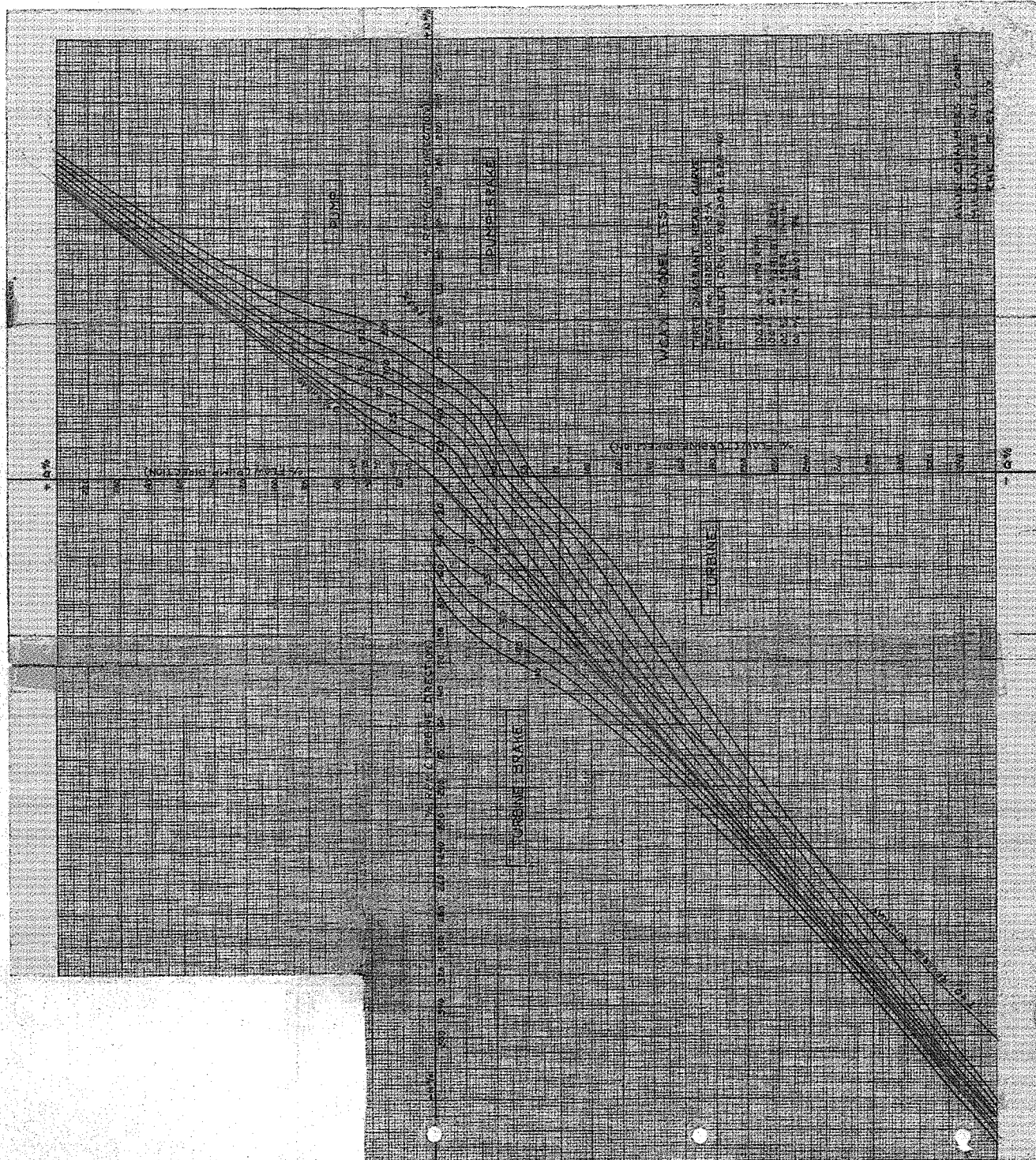
xylem

ASSEMBLY RELEASE

DRAWING NO.	ITEM	UNIT QTY.	U/M	NAME & SIZE	MAT'L.
08-219-486-402	001	YES	EA	WATER PIPING PIX	
08-114-924-121	002	2.0	EA	PRESSURE GAUGE .25 NPT, 60 PSI	ST. STL.
CP-771-513-356	003	3.0	EA	VALVE BALL .50 NPT-600#	BRONZE
08-630-838-028	004	1.0	EA	FLOW INDICATOR SWITCH	ST. STL. & BRASS
CP-711-595-104	005	1.0	EA	TEE-.50 NPT	M.I.-GALV.
CP-711-595-106	006	1.0	EA	TEE-.75 NPT	M.I.-GALV.
CP-711-595-108	007	1.0	EA	TEE-1.0 NPT	M.I.-GALV.
CP-711-087-318	008	2.0	EA	RED. BUSHING .50 X .25 NPT	M.I.-GALV.
CP-711-087-325	009	1.0	EA	RED. BUSHING .75 X .50 NPT	M.I.-GALV.
CP-711-087-334	010	1.0	EA	RED. BUSHING 1.0 X .50 NPT	M.I.-GALV.
CP-711-087-333	011	1.0	EA	RED. BUSHING 1.0 X .75 NPT	M.I.-GALV.
CP-711-315-104	012	3.0	EA	ELBOW, 90°-.50 NPT	M.I.-GALV.
CP-711-315-106	013	2.0	EA	ELBOW, 90°-.75 NPT	M.I.-GALV.
08-116-575-004	014	1.0	EA	PIPE .50-SCH 40 X 4'-0"	CARBON STEEL-GALV.
CP-711-453-155	015	2.0	EA	NIPPLE .50-SCH 40 X 2.0"	CARBON STEEL-GALV.
CP-711-453-159	016	1.0	EA	NIPPLE .50-SCH 40 X 3.0"	CARBON STEEL-GALV.
CP-711-453-179	017	2.0	EA	NIPPLE .50-SCH 40 X 8.0"	CARBON STEEL-GALV.
CP-711-453-209	018	1.0	EA	NIPPLE .75-SCH 40 X 3.0"	CARBON STEEL-GALV.
CP-711-453-229	019	3.0	EA	NIPPLE .75-SCH 40 X 8.0"	CARBON STEEL-GALV.
CP-711-453-263	020	1.0	EA	NIPPLE 1.0-SCH 40 X 4.0"	CARBON STEEL-GALV.
08-218-525-489	021	YES	EA	WATER PIPING SCHEMATIC	

01	MZ 10-8-15				Sample Ref.		
					OCRC-PMP-0001A OCRC-PMP-0001B		
					<div> <div></div> <div>BUL.</div> </div> <div>SIMILAR TO MK-883</div>		
ORIG. BTB	CHKD. MZ	APPD. MR	RGH. WT.	FIN. WT.	NAME SEAL & BRG WATER PIPING	SHEET NO. ---	PART NO. 08-115-149-899





Wet Pit Column Type Pumps
Mixed Flow, Semi-Open Impeller
Type WCAX, YDD, WCA, WCF, WCB
Partial Order List



January 2017

Supersedes all previous issues

CUSTOMER	YEAR	NO.	SIZE, TYPE	GPM	FT/ HEAD	RPM	HP
Central Power & Light, J.L. Bates Station, Mission, Texas	1959	2	54 X 42 YDEV2RM	32,500	65	495	700
Newport News Shipbuilding & dry Dock Co.	1959	4	20 X 20 YDEV	12,335	33.6	870	200
Southern Gas & Electric	1959	2	54 X 36 YDEV	35,000	58	585	585
Missouri Public Service Union Electric Co. Unit #4	1960	1	66 X 42 YDAVFM	45,000	40	438	600
Meramac Plant, Hillcrest Station	1960	2	84 X 60 YDEVRFM	84,200	40	318	900
City of Milwaukee, Texas Avenue Station	1960	4	48 X 30 YDB2VM	24,500	150	720	1200
Madison Gas & Electric Co.	1960	2	30 X 20 YDAVFM	11,000	20	870	125
City of Garland, Texas	1960	2	24 X 20 YDA2VRM	8,000	70	1160	200
Cincinnati Gas & Electric co.	1961	2	66 X 54 YDEV	58,000	34	352	600
Utah Power & Light Co.	1962	2	42 X 30 YDBVM	28,250	68.35	580	600
Reserve Mining Co.	1962	1	66 X 54 YDEV	57,700	22	318	400
India Supply Mission	1962	4	54 X 36 YDBVM	39,965	61.5	491	850
Illinois Power Co.	1962	2	78 X 84 YDE2VRM	70,000	67	290	1500
Wisconsin Public Service	1963	1	84 X 60 YDEVRFM	59,000	25	250	450
Central Illinois Light Co., Peoria, Ill.	1969	2	84 X 66 YDDVRM	101,000	37.5	352	1250
City of Jacksonville, Florida	1969	2	78 X 54 YDDVM	72,500	25	391	600
Iowa Public Service Co., Iowa	1970	2	78 X 60 YDDVRM	65,000	43.9	440	900
Houston Lighting & Power co., Texas	1970	3	96 X 66 YDDVRM	129,450	40.6	391	1750
Commonwealth Edison Co., Illinois	1970	6	108 X 72 YDDVRM	167,000	24.5	352	1250
Detroit Metropolitan Water Department	1970	3	42 X 30 YDDVRM	17,500	25	720	200
Dallas Power & Light Company, Texas	1971	3	90 X 60 YDDVRM	110,000	49	440	2000
Public Service Company of New Hampshire	1971	2	90 X 60 YDDVRM	110,000	41.5	440	1500
South Carolina Electric & Gas Company	1971	2	90 X 60 YDDVRM	111,000	43	440	1500
Hawaiian Electric Company	1971	4	78 X 54 YDDVM	73,650	33.7	440	800
Duke Power Company	1971	8	144 X 96 WCAXR	254,000	23	234	1750
Louisiana Power & Light Co.	1972	4	144 X 96 YDDVRM	250,000	46.5	270	3500
Central Illinois Light Company	1972	2	90 X 60 YDDVRM-2	115,000	86	440	3000
Texas Utilities Services, Inc.	1972	6	114 X 78 YDDVRM	170,000	36	320	2000
United Illuminating Co.	1973	3	90 X 66 YDDVRM	95,000	34	391	1000
City of Chicago, Illinois	1973	2	96 X 66 YDDVM	104,000	25	320	1000
Taiwan Power Company	1973	8	114 X 78 YDDVRM	170,000	43	320	2750
Texas Utilities Serv. Inc.	1973	3	108 X 78 YDDVRM	165,000	48	391	2500
Florida Power & Light	1973	8	90 X 66 YDDVRM	100,000	30.5	352	1000

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Detroit Metropolitan Water Dept.	1973	3	42 X 30 YDDVRM	17,500	25	720	200
Texas Utilities Serv., Inc.	1973	6	114 X 78 YDDVRM	170,000	36	320	1750
Carolina Power & Light	1973	3	96 X 66 YDDVRM	112,000	52	391	2000
Nebraska Public Power Dist.	1973	2	102 X 72 WCA	131,500	65	391	2500
Nebraska Public Power Dist.	1973	2	102 X 72 WCA	139,000	54	391	2500
Comision Federal De Electricidad, Mexico	1973	8	92 X 72 YDDVRM	112,000	35	323	1250
Jacksonville Electric Authority	1974	4	78 X 54 YDDVRM	70,000	26	391	600
Florida Power & Light	1974	8	90 X 66 YDDVRM	100,000	30.5	352	1000
Square Butte Electric Cooperative	1974	2	96 X 66 YDDVRM	125,000	45	391	2000
Westinghouse/Furnas - Brazil	1974	2	144 X 96 WCAX	312,530	23	271	3000
City of Detroit	1974	5	42 X 30 WCAR	13,900	25	705	150
Miami - Dade	1975	5	60 X 42 WCAX	42,000	25	592	500
Public Service Company of Indiana	1975	4	108 X 72 YDDVRM	156,000	41.5	352	2500
City of Fort Wayne, Ind.	1975	2	90 X 60 YDDVRM	105,000	45	450	1500
St. Louis Corp. of Engineers - Maecystown Creek	1975	3	90 X 60 YDDVM	89,760	12.6	352	900
Iowa Public Service Co.	1975	2	108 X 78 WCAR	186,000	60	352	4000
South Western Electric Power Company	1975	3	90 X 60 YDDVRM	101,000	38	440	2000
Westinghouse - Yugoslavia	1976	3	96 X 66 YDDVRM	134,000	45	367	2000
City of Detroit	1976	5	42 X 30 WCAR	13,900	25	705	150
Dairyland Power Cooperative	1976	2	96 X 66 YDDVRM	112,000	37	352	1500
Iowa Power & Light	1976	4	90 X 66 WCAR	100,000	63	391	2000
City of Honolulu, Hawaii	1976	3	72 X 54 WCA	71,000	16	381	800
Miami - Dade	1976	4	72 X 48 WCA	52,000	48	390	800
Houston Lighting & Power	1976	4	48 X 36 WCAR	26,930	77.5	880	700
Houston Lighting & Power	1976	4	90 X 66 WCAR	107,720	76.5	440	3000
Memphis Corp. of Engineers	1976	4	66 X 48 WCA	56,100	41.6	480	750
South Western Electric Power Company	1976	3	84 X 60 WCA	94,000	56	444	1750
Los Angeles County	1976	3	96 X 66 WCAXR	93,750	30	370	1000
Florida Power & Light	1976	4	90 X 66 YDDVRM	100,000	30.5	356	1000
Consumers Power	1977	2	108 X 78 WCAR	162,000	54	320	3000
Portland General Electric	1977	2	84 X 66 WCAR	93,000	55	440	2000
Texas Municipal Power Auth.	1977	4	78 X 54 WCAX	72,500	22	510	700
San Diego Gas & Electric	1977	6	48 X 36 WCAR	24,000	33	587	300
Consumers Power	1977	2	120 X 78 WCAXR	162,000	17.5	251	1250
Consumers Power	1977	2	120 X 78 WCAXR	175,000	21.0	271	1500
Consumers Power	1977	1	66 X 48 WCAR	50,000	47	505	800

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South Western Electric Power Company	1978	3	84 X 60 WCA	94,000	56	444	1750
Central Louisiana Electric	1978	3	84 X 60 WCA	82,000	38	352	1000
Vicksburg Corp. of Engineers - Lake Chicot	1978	10	144 X 96 WCAX	269,280	19.11	257	3100
Vicksburg Corp. of Engineers - Lake Chicot	1978	2	96 X 66 YDD	112,200	18.12	327	1250
Associated Electric Power Cooperative	1978	3	108 X 78 WCAR	152,000	47.2	300	2250
Comision Federal de Electricidad, Mexico	1978	2	72 X 54 WCA	81,420	42	440	975
Grand River Dam Authority	1978	2	84 X 60 WCA	89,500	48	400	1500
Vicksburg Corp. of Engineers - Tensas Cocodrie	1978	5	156 X 102 WCAX	359,000	10.23	200	3000
Broward County Florida	1978	5	42 X 30 WCA-2	24,000	133	860	1000
Broward County Florida	1978	1	60 X 48 WCAR	50,000	30	425	500
Public Service Company of Indiana	1978	2	108 X 78 WCAR	156,000	47.5	293	2250
Southwestern Electric Power Company	1978	3	90 X 72 WCAR	126,000	51	391	2000
Detroit Edison	1978	6	90 X 66 WCA	110,000	58	391	2250
Central Illinois Light Company	1978	2	90 X 66 WCAR-2	117,500	75	350	3000
City of Muscatine, Iowa	1979	2	66 X WCAR	48,500	35.2	440	600
Florida Power Corporation	1979	4	102 X 72 WCAR	142,500	65	391	3000
Florida Power Corporation	1979	2	54 X 36 WCAX	34,000	24.8	705	350
Florida Power Corporation	1979	2	54 X 36 WCAX	34,000	18.8	705	250
Seminole Electric Cooperative	1979	6	84 X 60 WCAR	93,500	63	440	2000
Calgary Power Ltd.	1979	1	84 X 60 WCA	93,500	43.5	391	1500
Boca Raton, Florida	1980	2	42 X 30 WCA	14,000	40	880	200
Platte River Power Authority	1980	2	90 X 66 WCAR	95,000	36	320	1250
Platte River Power Authority	1980	1	30 X 24 WCA	12,000	40	880	880
Taiwan Power Company	1980	3	84 X 60 WCAR	85,000	52	397	1500
Carolina Power & Light Co.	1980	3	108 X 78 WCAR	161,000	67.5	352	3087
Florida Power Corporation	1981	1	54 X 36 WCAX	34,000	24.8	705	350
Florida Power Corporation	1981	1	54 X 36 WCAX	34,000	18.8	705	250
Deseret G&T Cooperative	1981	2	90 X 72 WCA	100,000	72	395	1750
Electricity Commission of New South Wales	1981	13	87 X 71 WCA	110,964	65.6	425	2400
Egyptian Electricity Authority	1982	6	84 X 60 WCAXR	88,330	25	420	900
Korea Electric Power Corporation Poryong Units 1 & 2	1982	8	84 X 60 WCAX	103,214	17.7	394	1717
Korea Electric Power Corporation Poryong Units 1 & 2	1982	8	84 X 60 WCAR	110,665	51.3	445	700
Jefferson Parish, Louisiana Station 2	1982	1	102 X 84 WCAX	134,649	14	320	700
Jefferson Parish, Louisiana Stations 1 & 4	1982	4	102 X 84 WCAX	134,694	14	320	1750
Soyland Power Cooperative	1982	2	90 X 66 WCA	115,000	52	395	1000

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Central and South West Services	1982	3	102 X 66 WCAXR	137,000	25	321	1000
Grand River Dam Authority	1982	2	84 X 60 WCA	97,500	53	450	1750
Jefferson Parish, Louisiana Planters Station	1982	4	102 X 84 WCAX	129,254	16	319	700
Consolidated Edison Co. New York	1982	7	90 X 84 YDDVRFM	140,000	21	254	1000
Southern Power Station - Israel	1982	4	108 X 78 WCAR	181,822	49.2	330	3000
Dow Chemical Company	1983	3	60 X 42 WCAX	55,000	25	587	500
Jefferson Parish, Louisiana Harvey Station	1983	3	102 X 72 WCAX	144,065	10	320	700
Jefferson Parish, Louisiana Westwego Station	1983	2	102 X 84 WCAX	140,026	8.5	311	706
Lower Colorado River Authority	1983	3	72 X 48 YDD	79,767	34	441	900
New Orleans Sewerage & Water Board Citrus Station	1984	4	102 X 84 WCAX	112,200	21.5	320	700
New York Power Authority	1984	6	102 X 84 YDDVRM	140,000	29	360	1500
South Western Electric Power Company	1984	3	90 X 66 WCA	121,600	65	395	2250
Jefferson Parish, Louisiana Parish Line Station	1985	3	102 X 84 WCAX	132,405	14	320	700
Southern Power Station - Israel	1986	4	108 X 78 WCAR	181,698	49.2	330	3000
Egyptian Electric Authority	1986	2	84 X 60 WCAXR	89,800	27.5	420	900
City of Houston, Texas	1986	4	60 X 54 WCA	66,000	50.6	514	1000
Velasco Drainage District East Freeport Station	1986	2	78 X 60 WCAX	80,000	12.8	450	400
Hydroaire, Inc.	1987	3	48 X 36 WCA	34,000	67	880	700
New Orleans Sewerage & Water Board Station 19	1988	2	102 X 84 WCAX	139,130	15	320	800
Atlanta Hemphill	1989	3	54 X 42 WCAR	48,700	50	705	900
Boca Raton, Florida	1990	1	42 X 30 WCA	14,000	40	880	200
Korea Electric Power Corp. Poryong Units 3, 4, 5 & 6	1991	16	84 X 60 WCAR	98,296	40.6	395	1274
Korea Electric Power Corp. Poryong Units 3, 4, 5 & 6	1991	16	84 X 60 WCAX	103,136	17.7	395	966
Miami Dade - Virginia Key	1991	3	60 X 42 WCAX	42,500	3.5	571	500
Carolina Power & Light Co. - Sutton	1992	2	100 X 78 WCA	139,000	28	250	1500
Miami Dade - North District	1992	2	72 X 48 WCA	53,000	47	388	840
Taiwan Power Company	1992	1	82 X 66 WCAR	133,400	53.5	352	2500
Virginia Power Chesapeake - Unit 3	1992	2	78 X 60 WCAX	60,000	25	440	600

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Taiwan Housing and Urban Development Si Ban Tou Pump Station	1993	8	108 X 78 YDD	158,520	29.5	293	1800
Korea Electric Power Corp. Ulchin Unit 3	1994	6	108 X 72 YDDVRM	131,500	31.5	295	1600
Korea Electric Power Corp. Ulchin Unit 4	1994	6	108 X 72 YDDVRM	131,500	31.0	295	1600
Jefferson Parish Westwego P.S.	1995	1	102 X 84 WCAX	140,035	8.5	311	800
Korea Electric Power Corp. Samchonpo Units 5 & 6	1995	8	84 X 60 WCAR	103,200	57.4	391	2000
Hermiston Generating Co. Units 1 & 2	1995	3	54 X42 WCA	54,000	55.5	705	1250
MWA Tha Chin P.S. - Thailand	1995	2	84 X 54 WCAX	79,260	15.42	368	470
Karachi Electric - Pakistan	1996	1	48 X 36 WCA	29,000	39.0	590	350
St. Bernard Parish	1996	3	108 X 66 WCAX	125,000	2.5	320	561
Taiwan Power Hsinta	1996	10	84 X 60 WCAR	95,105	39.4	355	1250
DNOCS - Brazil	1996	6	48 X 30 YDD	30,485	26.0	587	270
Jefferson Parish Westminster/Lincolnshire	1997	4	102 X 66 WCAX	140,035	8.0	311	700
Korea Electric Power Corp. Yonggwang Units 5 & 6 – CWP	1997	12	108 X 78 YDDVRM	171,500	46.5	321	2882
Korea Electric Power Corp. Yonggwang Units 5 & 6 – TBOCWP	1997	4	48 X 36 WCB	26,500	100	880	900
New Orelans Corp. of Engineers - Davis Pond	1997	3	84 X 54 WCAX	85,300	16.6	391	505
Karachi Electric - Pakistan	1997	1	66 X 48 WCA	42,000	30.8	420	490
Termoemcali – Brazil	1997	3	54 X 36 WCA	37,550	54.1	590	700
Takadori – Ghana	1998	2	84 X 60 WCA	118,876	56.0	496	2280
St. Francis Power	1998	2	48 X 36 WCA	30,300	50.0	709	500
Taiwan Power Company Tunghsiao Unit 6	1998	2	66 X 48 WCAR	60,238	49.2	503	980
Yanpet - Saudi Arabia	1998	1	132 X 96 WCBR	264,170	65.6	212	5360
Meizhou Wan Power Plant – China	1998	4	90 X 66 WCA	117,300	83.0	403	3220
MWA Tha Chin P.S. – Thailand	1998	1	84 X 54 WCAX	79,260	9.8	329	335
Red Hills Generating Station	1998	2	102 X 72 WCA	144,000	79.3	391	4000
Gregory Power Project	1999	2	72 X 54 WCA	67,130	61.0	503	1575
St. Francis Power Unit 2	1999	2	48 X 36 WCA	30,300	50	709	500
MCES Effluent Pump Station	1999	1	71 X 60 WCA	76,000	40	442	900

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Stone & Webster Cordova	1999	2	82 X 54 WCA	82,500	67	505	1700
TIC - South Point	1999	3	72 X 54 WCA	84,550	76	587	1900
Houston – SEWPP	2000	3	54 X 42 WCA	41,667	63	587	900
Sargent & Lundy/Zachry – Redhawk Power Plant	2000	4	72 X 54 WCA	80,000	68	587	1900
Karachi Electric - Pakistan	2000	1	54 x 42 WCA	42,000	34	490	490
Jacksonville Electric Authority	2000	2	72 x 60 WCA	80,500	35	508	900
Jacksonville Electric Authority	2000	2	72 X 54 WCA	80,500	35	508	900
Zachry Construction – Freestone Project	2001	4	72 X 54 WCA	72,000	76	587	1600
Sargent & Lundy/Zachry – Corpus Christi E.C.	2001	3	72 x 54 WCA	78,000	75	503	2100
Harquahala Generating Station	2001	6	54 X 42 WCA	45,000	70	710	1050
Bechtel La Rosita - Mexico	2001	2	84 X 54 WCA	99,700	73	440	2700
Stone & Webster - Covert Generating Station	2001	6	72x 42 WCA	60,000	74	716	1600
Florida Power & Light - Manatee Plant	2001	1	90 x 66 YDDVRM	100,000	30.5	352	1000
Stone & Webster - Marcus Hook Power Plant	2002	2	70 x 48 WCA	59,000	75	590	1400
East Kentucky – Spurlock Station Unit 3	2002	2	66 x 48 WCA	73,000	70	587	1550
Brighton Beach Power L.P. - Canada	2002	3	96 x 60 YDD	104,800	30	352	1325
RID PASAK Irrigation - Thailand	2002	7	54 x 42 WCA	38,675	52.5	585	670
Calpine – Rocky Mountain Energy Center	2002	2	85 x 54 WCA	88,000	60	444	1800
Mid-American – Greater Des Moines Energy Center	2002	2	66 x 48 WCA	79,300	75.5	590	2100
Washington Group – Port Washington Energy Center Block 2	2003	2	96 x 66 WCA	127,000	29.1	295	1350
Korea Electric Power Corp. - TangJin Units 5 & 6	2003	8	96 x 72 WCA	90,000	21.3	234	600
Florida Power & Light – Martin Station	2003	2	90 x 66 WCA	140,000	83	445	3600
Korea Hydro & Nuclear Power - Shin Kori Units 1&2	2003	8	100 x 84 WCAR	195,000	50	293	3200
	2003	2	90 x 66 WCA	146,300	48	395	2550
Florida Power & Light – Manatee Station	2003	2	73 x 60 WCA-G	96,000	78	396	2500
Bechtel Springerville	2003	2	89 x 60 WCA	96,500	65	503	1950
Calpine – Fox Energy Center	2003	1	66 x 48 WCA	42,000	30.8	420	440
Karachi Electric - Pakistan	2004	4	66 x 42 WCA	65,000	65.6	591	1350
Skikda TPP	2004	2	90 x 60 WCA	101,000	76	503	2550
Calpine – Mankato Energy Center	2004	8	96 x 65 WCA	89,821	21.3	234	738
Korea East West Power Company – Dangjin Units 5 & 6							
Florida Power & Light – Turkey Point	2005	2	90 x 66 WCA	148,600	89	445	4150
Korea Southern Power Company – Nam Jeju 3 & 4	2005	4	54 x 48 WCB	43,590	61	440	900
US Army Corp. of Engineers – Grand Prairie Pump Station	2005	4	84 WCB	161,579	111	360	5600
US Army Corp. of Engineers- Grand Prairie Pump Station	2005	2	42 WCB	44,882	107	720	1500
Korea East West Power Company – Dangjin Units 7 & 8	2005	8	96 x 65 WCA	89,821	21.3	234	738
Korea Hydro & Nuclear Power – Shin Wolsong NPP	2005	8	108 x 78 WCA	151,000	50	295	2600

Wet Pit Column Type Pumps
Mixed Flow, Semi-Open Impeller
Type WCAX, YDD, WCA, WCF, WCB
Partial Order List



January 2017

Supersedes all previous issues

CUSTOMER	YEAR	NO.	SIZE, TYPE	GPM	FT/ HEAD	RPM	HP
East Kentucky – Spurlock Station Unit 4	2006	2	66 x 48 WCA	73,000	67	587	1550
Washington Group – Port Washington Energy Center Block 1	2006	2	96 x 66 WCA	127,000	29.1	295	1350
Borouge	2006	1	68 x 48 WCB	77,053	103	587	2500
Trimble	2007	2	77 x 54 WCA-G	86,625	86	445	2400
We Energies – Elm Road	2007	4	96 WCAX	205,000	19.5	225	1750
Borouge	2007	2	68 x 48 WCB	77,053	103	587	2500
Korea Southern Power Company – Hadong 7 & 8	2007	1	84 x 60 WCAR	95,105	51	391	1500
Beijing Capital Steel	2007	4	66 x 48 WCA	81,453	59	587	1676
J. Lamar Stall	2008	2	77 x 54 WCA-G	83,500	97.5	504	2600
Incheon	2008	4	84 x 60 WCA	94,225	28	355	1150
Az Zour	2008	4	84 x 60 WCA	110,669	71	490	3084
AEP – Turk	2008	2	100 x 66 WCA	134,000	85	445	3400
Detroit Oakwood	2009	2	66 x 54 WCA	67,325	48	587	1500
	2009	6	88 x 72 WCA	123,500	48	445	2000
Takadori – Ghana	2009	1	84 x 60 WCA	118,876	56.0	496	2280
Malzenice	2009	2	54 x 42 WCA	47,077	70.2	735	1250
T-Power	2010	2	54 x 42 WCA	46,285	63.6	735	1086
Edwardsport	2010	2	84 x 66 WCA-G	94,000	87	396	2500
Shin Kori Units 3 & 4	2010	12	100 x 84 WCAR	171,800	46	273	2620
Brayton Point	2011	4	114 x 84 WCBR	180,000	84	352	4900
Enecogen	2011	4	66 x 48 WCA	67,841	63	588	1550
Hawii Electric	2011	4	60 x 48 WCAX	37,000	16.4	445	200
Duke Buck Station	2011	2	84 x 60 WCAR	94,000	70	442	2200
TVA Brownsferry	2011	4	84 x 60 WCAR	102,500	83.5	509	2700
Dan River Station	2012	2	84 x 60 WCAR	94,000	70	442	2200
City of Fort Wayne	2012	2	66 x 48 WCA	65,930	36.4	590	1000
Piedmont	2012	2	54 x 36 WCA	39,000	48	585	600
Southern Company Services – Kemper CWP	2012	2	66 x 48 WCAR	70,000	75	592	1700
Southern Company Services – Kemper IGCC AWP	2012	2	54 x 42 WCAR-2	45,000	140	710	2000
Termozulia	2012	2	108 x 78 WCAXR	181,989	13.1	295	1000
Florida Power & Light – Point Beach	2012	4	114 x 90 YDDR	178,000	29.9	208	1750
Panda Energy Center – Temple I	2012	2	68x54 WCF	66,900	82	592	1650
Panda Energy Center – Sherman	2012	2	68x54 WCF	66,900	82	592	1650
Springerville	2013	1	73 x 60 WCA-G	96,000	78	396	2500
Panda Energy Center – Temple II	2013	2	68 x 54 WCF	66,900	82	592	1650
Samchuck	2013	8	108 x 78 WCFR	173,919	72.5	324	4000
2 nd Pyeongtaek CAPP	2013	4	108 x 78 WCAR	150,142	49.2	324	2400
Broward County	2013	1	42 x 30 WCA-2	24,500	130	858	1000
WE Energies Valley Power Prj.	2014	4	48 x 42 YDDVRM	28,700	28	590	250
TVA – Paradise	2014	2	100 x 72 WCF	146,000	77	392	3695
Xayaburi Hydro Electric Dam - Pump St. 1	2014	4	134" WCAXR	634,000	7	148	2400
Xayaburi Hydro Electric Dam - Pump St. 2	2014	3	134" WCAXR	634,000	6	141	1744
Panda Energy Center – Temple I	2014	1	68 x 54 WCF	66,900	82	592	1650

Wet Pit Column Type Pumps
Mixed Flow, Semi-Open Impeller
Type WCAX, YDD, WCA, WCF, WCB
Partial Order List

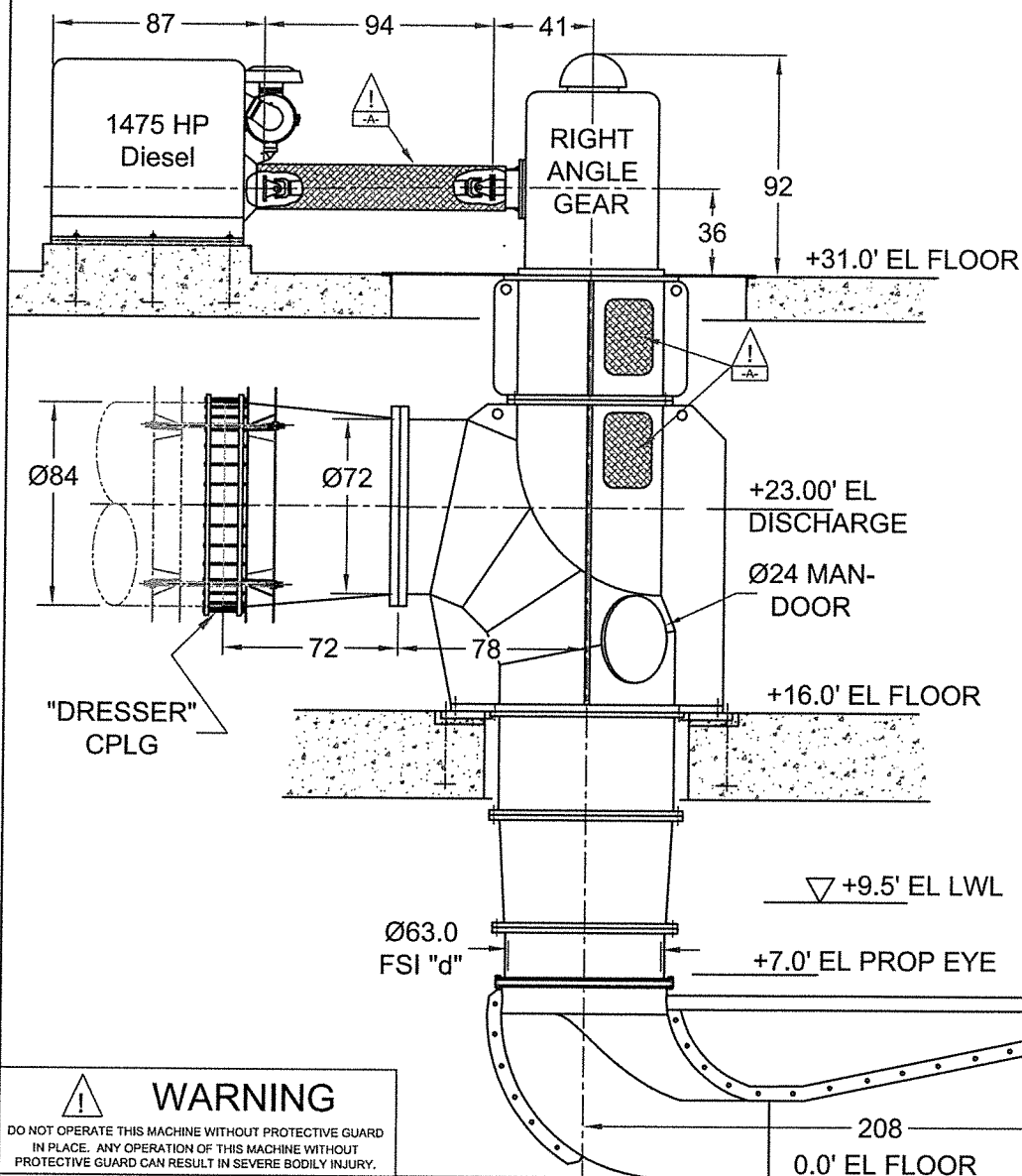
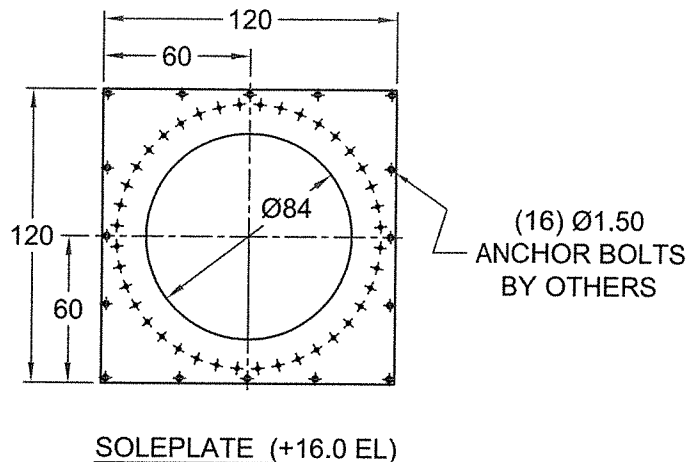
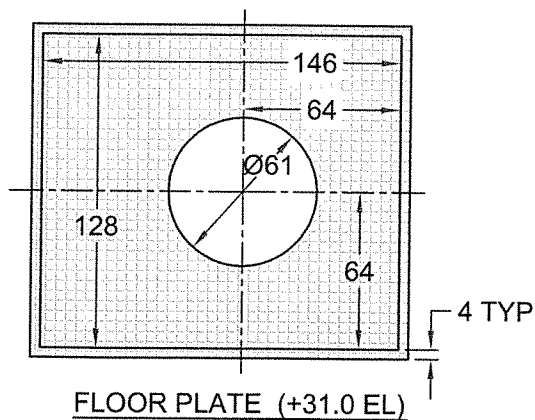


January 2017

Supersedes all previous issues

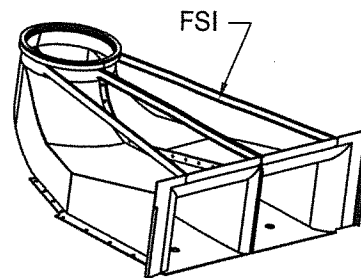
CUSTOMER	YEAR	NO.	SIZE, TYPE	GPM	FT/ HEAD	RPM	HP
Berlin Lichterfeld	2015	2	54 x 42 WCAR	39,627	59	735	725
		2	54 x 42 WCAR	39,627	39	735	500
Shenzen LNG	2015	5	48 x 36 WCB	30,161	90	742	875
Calpine – Mankato Energy Center	2015	1	90 x 60 WCA	101,000	76	503	2550
Bechtel – Stonewall Energy Center	2015	2	70 x 54 WCF	72,000	80	509	1825
Korea Hydro & Nuclear Power - Shin Kori 1&2	2015	1	100 x 84 WCAR	195,000	50	293	3200
Eagle Valley	2015	2	84 x 60 WCF	95,000	86	509	2550
Duke – W.S. Lee Station	2015	2	90 x 60 WCA	97,250	70	509	2200
Mainova – HK West	2015	1	48 x 30 WCA	26,964	50.2	735	450
TVA – Allen	2015	2	100x72 WCF	157,000	85	392	4450
Korea Hydro & Nuclear Power - Hanbit Units 5/6	2015	2	108x78 YDDVRM	171,500	46.5	322	2700
Bechtel – Hummel	2016	2	70x54 WCF	73,000	78	509	1825
Korean Soutern Power - Youngnam Green	2016	2	72x54 WCAR	80,135	64	509	1500
Calpine – Freestone	2016	1	72x54 WCA	72,000	76	587	1600
Louisville MSD – 4 th Street	2016	2	48x48 YDDR	31,800	40	710	450
Coastal Water Authority – Capers Ridge	2016	4	78x48 GLXC	49,610	129	600	2200
Bechtel - Mattawoman	2017	2	75x54 WCF	77,500	78	509	1950

FAIRBANKS MORSE PUMP



Estimated Weights:

FSI (5/8" shell)	21,000 lbs.
Pump Assembly	78,000 lbs.
Soleplate Assy	2,700 lbs.
Gear Assembly	20,000 lbs.
Shaft-Horizontal	1,500 lbs.
Diesel	13,400 lbs.




WARNING

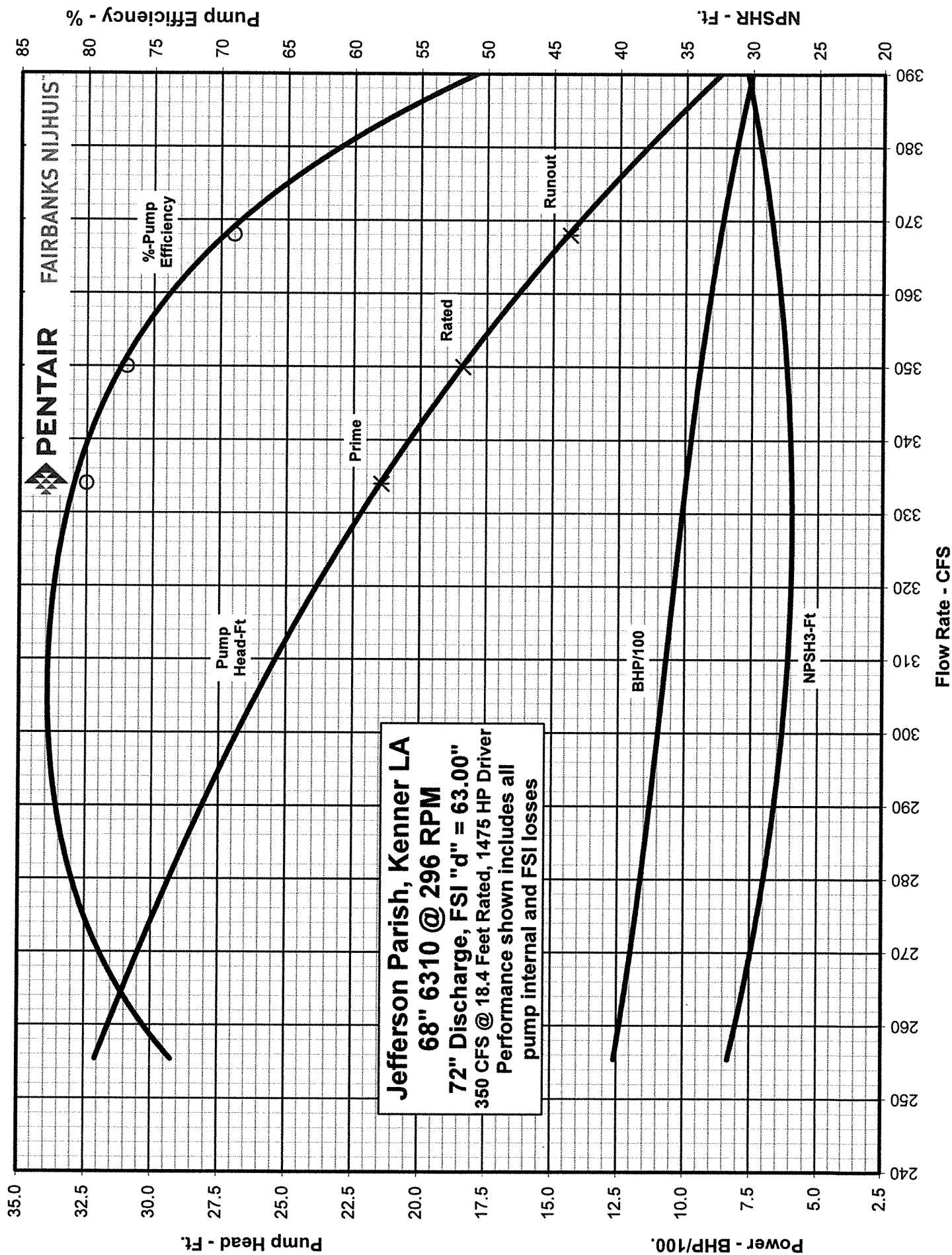
DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE. ANY OPERATION OF THIS MACHINE WITHOUT PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

PROPRIETARY INFORMATION
This material is confidential and contains proprietary information and other rights which are the sole and exclusive property of Pentair, Fairbanks Nijhuis. Possession of this material does not convey or transfer these rights. Any reproduction, use, copying or disclosure to others is forbidden without written authorization.

- NOTE:**
- 1- All dimensions are in inches, elevations in feet
 - 2- Discharge pipe sized for automatic siphonic recovery
 - 3- 84x72 Reducer, "Dresser" cplg, tie-rods, & anchor bolts by others
 - 4- See quotation for extent of supply
 - 5- Dimensions may vary due to manufacturing tolerances
 - 6- #10 FSI, "d" = 63" supplied by FN
 - 7- Preliminary - not for construction purposes

		PENTAIR		FAIRBANKS NIJHUIS	
Preliminary Setting Plan, 68" 6310					
Jefferson Parish, Kenner LA					
SIZE	SHT	DWG NO.		REVISION DATE	REV
A	1	SP-S80406		7/12/2017	A

Arnold R. Sdano-PE



Large Propeller Pumps								
FACILITY	CITY	ST	MODEL	QTY	HP	RPM	SERVICE	FLOW/HEAD FT
Atomic Energy	Portsmouth	OH	48"6900	8	1500	585	Cooling Water	
Ocean Outfall	Santa Cruz	CA	54"6360	2	800	360	Effluent	59,000 @ 20'
New Orleans Sewer Station #7	New Orleans	LA	55" Props	3	200	225	Flood Control	75,000 @ 4'
Pumping Station	Des Moines	IA	60"6310	2	800	440	Flood Control	95000 @ 22'
Filtration Plant	Henderson Co	IL	60"6310	2	900	400	Flood Control	100000 @ 27'
	Chicago	IL	96"6360	4	1500	180	Lake Intake	
Corps of Engineers	White River	AR	104" Props	3	1750	177	Flood Control	224,000 @ 25'
South Florida	Jacksonville	FL	110" Props	3	300	82	Flood Control	195,000 @ 4.9'
Lake Chares		LA	116"	4	1000	225	Flood Control	112,000 @ 6'
MSD	East St. Louis	MO	120" Props	6	3000	200	Flood Control	462,300 @ 22.5'
Lake Harbor	West Palm	FL	144" Props	3	700	71	Flood Control	468,000 @ 6.4'
South Bay #2	West Palm	FL	144" Props	5	900	76	Flood Control	404,100 @ 7.2'
South Bay #7	West Palm	FL	144" Props	5	700	68	Flood Control	373,100 @ 5.3'
South Bay #8	West Palm	FL	152" Props	5	700	67	Flood Control	468,000 @ 4.5'
Macomb County	Detroit	MN	72" Props	3	2750	220	Flood Control	200,000@38
Charles River	Somerville	MA	144" Props	3	2700	105	Flood Control	627,000@14
NOSWB	New Orleans	LA	144" props	1	2000	150	Flood Control	510,000@9.5
Jefferson County	Beaumont	TX	144" Props	4	2300	150	Flood Control	561,892@20
Huxtable Plant	Northeast	AR	120" props	10	4000		Flood Control	540,000@24
Dwyer Road Station	New Orleans	LA	68" props	3	1000	250	Flood Control	159,000@21
I-610 Underpass	New Orleans	LA	60" props	3	1250	360	Flood Control	112,000@30
Bayou Trapanier	St Charles parish	LA	60" props	3	1000	440	Flood Control	95,000@17
17th Street Canal	New Orleans	LA	68" props	11	1500	296	Flood Control	180,000@15
Ollie Pump Station	Plaquemine	LA	68" proips	2	800	285	Flood Control	130,000@12
GIWW	New Orleans	LA	144" props	11	5500	161	Flood Control	800,000@24

PATTERSON PUMP COMPANY

July 10, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

SPECIFICATION 15131 1.02.A

1.11 SUBMITTAL REQUIREMENTS WITH BID

1.02.A – See attached support documents:

Experience Information;

- Partial list Mixed/Axial Flow Pumps 2003 thru 2014 installations
- Reference Installation list dated Nov 28, 2011 – 1978 to 2006 installations
- Press release dated 09-04-07 – USACE Presents Coin of Excellence to Patterson Pump Company

Special Tools;

- No special tools required

1.11 – Submittal Requirements with Bid;

- See attached listing with preliminary outline drawing, curve, and list of exceptions.

General Comment – Spare Parts;

- Pump – no requirement for spare parts was found in the pump specification, none provided.
- Engine – provided per specification, see Engine Scope for details
- Right Angle Gear – provided per specification

Specification 15131

Section 1.02.A

Manufacturers Experience

PARTIAL LIST MIXED/AXIAL FLOW PUMPS 2003 THRU 2014

YEAR	MODEL	CUSTOMER	CITY	STATE	Flow	Head	Rpm	Order #
2003	18x24SAFV	ATLANTIC SKANSKA	COVINGTON	GA	9000	15	700	C038448
2006	48x48SAFV	M.A. BONGIOVANNI		MI	74050	11.9	393	C049408
2006	16X18SAFV	TYLERSVILLE FISH CULTURE	LOGANTON	PA	7100	25	880	C055357
2006	20X20SAFV	KUB	KNOXVILLE	TN	12000	51	900	C055636
2006	16X18SAFV	CITY OF DURHAM	DURHAM	NC	9000	43	1180	C056138
2006	33X36SAFV	POTOMAC WATER	POTOMAC	MD	34772	8.5	505	C061241
2006	26X30SAFV	POTOMAC WATER	POTOMAC	MD	24000	34	720	C061242
2006	26X30SAFV	POTOMAC WATER	POTOMAC	MD	24000	14.7	720	C061243
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061840
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061841
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061842
2006	68X72SAFV	LONDON AVE PS	NEW ORLEANS	LA	135000	20.25	216	C061843
2007	18SAFV	QUIGG BRANCH PS	COVINGTON	GA	5000	12	705	C065332
2009	12X14SAFV	CITY OF LAUREL WTP	LAUREL	MT	3500	20.5	1175	C086596
2009	26 SAFV	DEVILS LAKE WRF	DEVILS LAK	ND	25000	45	720	C092919
2010	26X36SAFV	LPV109-12A PS 2	NEW ORLEANS	LA	25232	12.5	580	C097837
2010	26X36SAFV	ARCHER WESTERN CONST	NEW ORLEANS	LA	25232	12.5	580	C098736
2010	57X66SAFV	TECHE-VERMILLION FWD	KROTZ SPRINGS	LA	116688	27	320	C098933
2010	26X36SAFV	BAYOU SAVAGE - LPV-111	NEW ORLEANS	LA	25232	12.5	580	C099014
2010	20SAFV-2stg	KUB	KNOXVILLE	TN	13000	30	705	C0100389
2010	42SAFV	BAYOU METO	LITTLE ROCK	AR	56104	23	384	C099669
2010	42X54SAFV	MICHOUD ASSY-NASA	HARAHAN	LA	62500	40	500	C0101477
2011	12X18SAFV	MINTO FISH COLLECTION	GATES	OR	6500	50	1770	C0104925
2011	68X84AFV	HARAHAN PUMP TO RIVER	HARAHAN	LA	179532	9.8	267	C0107561
2011	18X30SAFV	WSC/MCALLEN/EL PICO	LAREDO	TX	14616	36.3	1175	C0108244
2011	12X14SAFV	CITY OF GAINESVILLE	GAINESVILLE	FL	4000	10	880	108297
2012	30X42SAFV	DWU - C10 WTP	DALLAS	TX	35000	25.5	505	C0112458
2012	12SAFV	REYNOLDS - KUB 4TH ST	KNOXVILLE	TN	5400	17.6	1175	C0112886
2014	16SAFV	PEACE RIVER PS	ARCADIA	FL	8340	36	1180	C0127431 *
2014	57X66SAFV	TECHE-VERMILLION FWD	KROTZ SPRINGS	LA	116688	27	320	C0127875 *
2014	16SAFV	GAWA WTP	ST. ALMA	MI	7280	26	880	C0129967 *
2014	16SAFV	GAWA WTP	ST. ALMA	MI	7280	26	880	C0129919 *
2014	12SAFV	FT. POLK NORTH	FORT POLK	LA	5000	26	1200	C0134605 *
2013	159TMF	PCCP	NEW ORLEANS	LA	807894	15.3	102	C0120980 *
2013	113TMF	PCCP	NEW ORLEANS	LA	403947	15.03	144	C0120981 *

* INDICATES PROJECTS UNDER CONSTRUCTION, PUMPS NOT YET IN SERVICE AS OF 02-16-15



November 28, 2011

RE: REFERENCE INSTALLATIONS FOR PATTERSON
VERTICAL MIXED AND AXIAL FLOW PUMPS
FLOW GREATER THAN 100,000 GPM

2006 - LONDON AVENUE PUMP STATION, NEW ORLEANS, LA; USACE PROJECT

*Ms. Missy Arnold, Contracting Officer; (504) 862-1796

*Mr. Dan Bradley; (504) 920-4632

Patterson 68x72SAFV; Design Point; 135,633gpm @ 20.25' TDH

Diesel Driven, Formed Suction Intakes utilized

2004 - CLUTE LAKE JACKSON WATERSHED, VELASCO DRAINAGE DISTRICT

Mr. Mel McKey, Superintendent; (979) 265-4251

Mr. Douglas Harris, Supervising Engineer; (713) 304-9508

Patterson 96x96AFV, Design Point; 260,000gpm @ 15.1' TDH

Diesel Driven

1999 - Destrehan II P.S.

Destrehan, LA

Mr. Russell Tastet (985) 783-5102

Patterson 72x72AFV, Design point 149,000gpm @ 16' TDH

Diesel Engine Driven

1994 - AQUIRE STEAM STATION, PUERTO RICO

Raw water supply pumps - saltwater duty

Mr. Eduardo Berrios, Power Equipment Inc., (787) 725-5470

Patterson 60x78SAFV; Design Point 141,500gpm @ 40' TDH

Electric Motor Driven

1992 - JUBAIL AND YANBU SEAWATER COOLING PUMP PLANT

JUBAIL SAUDI ARABIA

Mr. Clark Ash, Contract Manager-Bechtel, (03) 341-4181

4 - Patterson 68x78SAFV; Design Point 214,000gpm @ 34' TDH

Electric Motor Driven

1991 - Jean LaFitte Pump Station #6

St. Bernard Parish, LA

Mr. Ken Odinet (504) 278-4517

3 - Patterson 72AFV; Design Point 140,000gpm

Diesel Engine Driven

1990 - Bayou Ducross, PS #7

St. Bernard Parish LA

Mr. Ken Odinet (504) 278-4517

3 - Patterson 75x72AFV, Design Point 142,000gpm @ 11.5' TDH

Diesel Engine Driven

1989 - PIGEON CREEK; DIAMOND AVENUE PS; EVANSVILLE, IN; USACE PROJECT
EVANSVILLE LEVEE AUTHORITY

Mr. Jay Perry, Maintenance Supervisor; Levee Authority District; (812) 435-8127

Patterson Pump Company . A Subsidiary of The Gorman-Rupp Company

P.O. Box 790 . 2129 Ayersville Road . Toccoa, Georgia 30577

Phone: (706) 886-2101 . Fax: (706) 886-0023



November 29, 2011

Page 2

Patterson 72x72SAFV, Design Point 188,509gpm @ 31.5' TDH
Diesel Engine Driven, Formed Suction Intake utilized

1985 - GAINARD WOODS PROJECT, PLAQUEMINE PARISH, LA, USACE PROJECT
Mr. Stuart Williamson (504) 682-5941
Patterson 72X72AFV; Design Point 128,000gpm @ 15.5' TDH
Electric Motor Driven

1985 – City of San Mateo, CA.
Marina Lagoon Pump Station;
Mr. Tony Baltodano, Office - (650) 483-5839, Cell (650) 483-5839
email at baltodan@cityofsanmateo.org
5 – 72x72AFV, Design Point 150,000 gpm
Diesel Engine Driven

1982 - JEFFERSON PARISH; AMES PUMP STATION/ ELMWOOD PUMP STATION
Mr. Mitch Theriot (504) 736-6751
Patterson 75x84AFV; Design Point 175,032gpm – Ames PS – Electric Motor Driven
Patterson 72x72AFV; Design Point 136,000gpm – Elmwood PS – Electric Motor Driven

1982 - Lake Cataouatche Pump Station #2
Jefferson Parish, LA
Mr. Mitch Theriot (504) 736-6751
2 - Patterson 72x72AFV, Design Point 136,000gpm
Diesel Engine Driven

1979 – Delaware Street P.S.
Evansville, IN
Mr. Jay Perry, Maintenance Supervisor; Levee Authority District; office 812-435-6137;
cell (812) 568-9407
Patterson 57x66SAFV, Design point 113,400gpm
Diesel Engine Driven

1978 – Upper Mill Creek P.S.
Mr. Roy Flynn, P.E.; Louisville MSD, Metro Operations Division; (502) 896-6957
Patterson 72x72SAFV, Design point 173,000 gpm
Diesel Engine Driven

Best Regards,

C. Steve McIntyre
Custom Pump Regional Sales Manager
Patterson Pump Company
706-886-2101
706-297-2877
smcintyre@pattersonpumps.com

Specification 15131

Section 1.11

Submittal Requirements with Bid

July 12, 2017

JEFFERSON PARISH – NEW LINE PUMP STATION

SPECIFICATION 15131

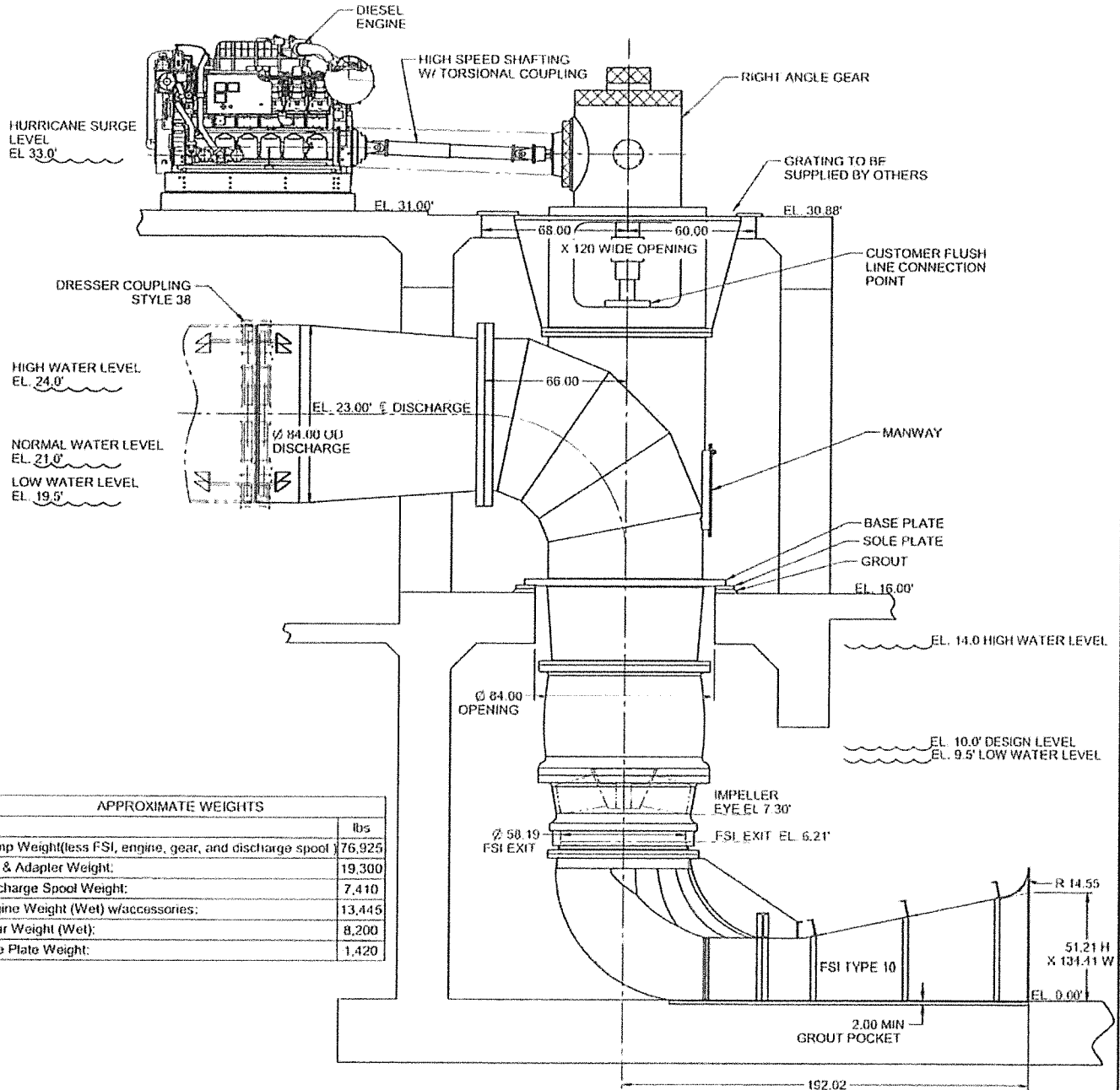
1.11 SUBMITTAL REQUIREMENTS WITH BID

- | | |
|---|---|
| 1. Name of Manufacturer | PATTERSON PUMP COMPANY |
| 2. Preliminary Outline Drawing | See Drawing C04-144844 – attached |
| 3. Guaranteed Performance: | |
| a. Capacity | 350 CFS |
| b. Total Head | 18.4 ft |
| c. NPSH Required | 30.3 ft |
| d. Pump Efficiency | 86.6% |
| e. Pump Speed | 273 rpm |
| 4. Pump Curves | See attached curves(with model test support documents) |
| 5. Lube Water Flow Required | 8 – 11 gpm |
| 6. Lube Water Pressure | 50 psi |
| 7. Weight of entire pump*
adapter) | 78,345 lbs (*does not include FSI and FSI |
| 8. Weight of pull out element | not applicable |
| 9. Weight of rotating element | approximately 7000 lbs |
| 10. WK ² of pump rotating element | 9500 lb-ft ² wet |
| 11. Maximum Hydraulic Downthrust (momentary) | 34,375 lbs |
| 12. Maximum hydraulic downthrust (continuous) | 28,750 lbs |
| 13. Speed Torque Curve | See attached |
| 14. Three Quadrant Curve | See attached |
| 15. User's list
Experience | See attached under 1.02A – Manufacturer's |
| 16. Assembly required after delivery | Pump ships assembled. Sole Plate and FSI ship in advance as they must be installed before the pump. Engine, Gear, interconnecting components, couplings, shafting guards, ancillary devices to engine, etc to be field installed by Contractor or others. |
| 17. Service Rates for additional service | See attached |
| 18. List of special tools supplied | no special tools supplied |
| 19. List of technical and commercial exceptions | see Patterson Proposal |

PRELIMINARY

(NOT FOR CONSTRUCTION)

JEFFERSON PARISH, LOUISIANA
DRAINAGE CAPITAL PROGRAM MANAGEMENT
DRAINAGE IMPROVEMENTS
PARISH LINE DRAINAGE PUMP STATION IMPROVEMENTS-PHASE 1
JEFFERSON PARISH PUBLIC WORKS PROJECT NO. 2007-023-DR



APPROXIMATE WEIGHTS

	lbs
Pump Weight (less FSI, engine, gear, and discharge spool)	76,925
FSI & Adapter Weight:	19,300
Discharge Spool Weight:	7,410
Engine Weight (Wet) w/accessories:	13,445
Gear Weight (Wet):	8,200
Sole Plate Weight:	1,420

Patterson
PATTERSON PUMP COMPANY
A CORMAN RUPP COMPANY

OUTLINE DIMENSION
FOR
FOR 66X72 TMF

DWG NO. C04-144844	REV 0
DRAWN Blackwell	DATE 7/11/2017
SCALE NONE	APPROVED BS
SHEET OF 1	1

Patterson Pump Company

Expected Performance Characteristic Curve

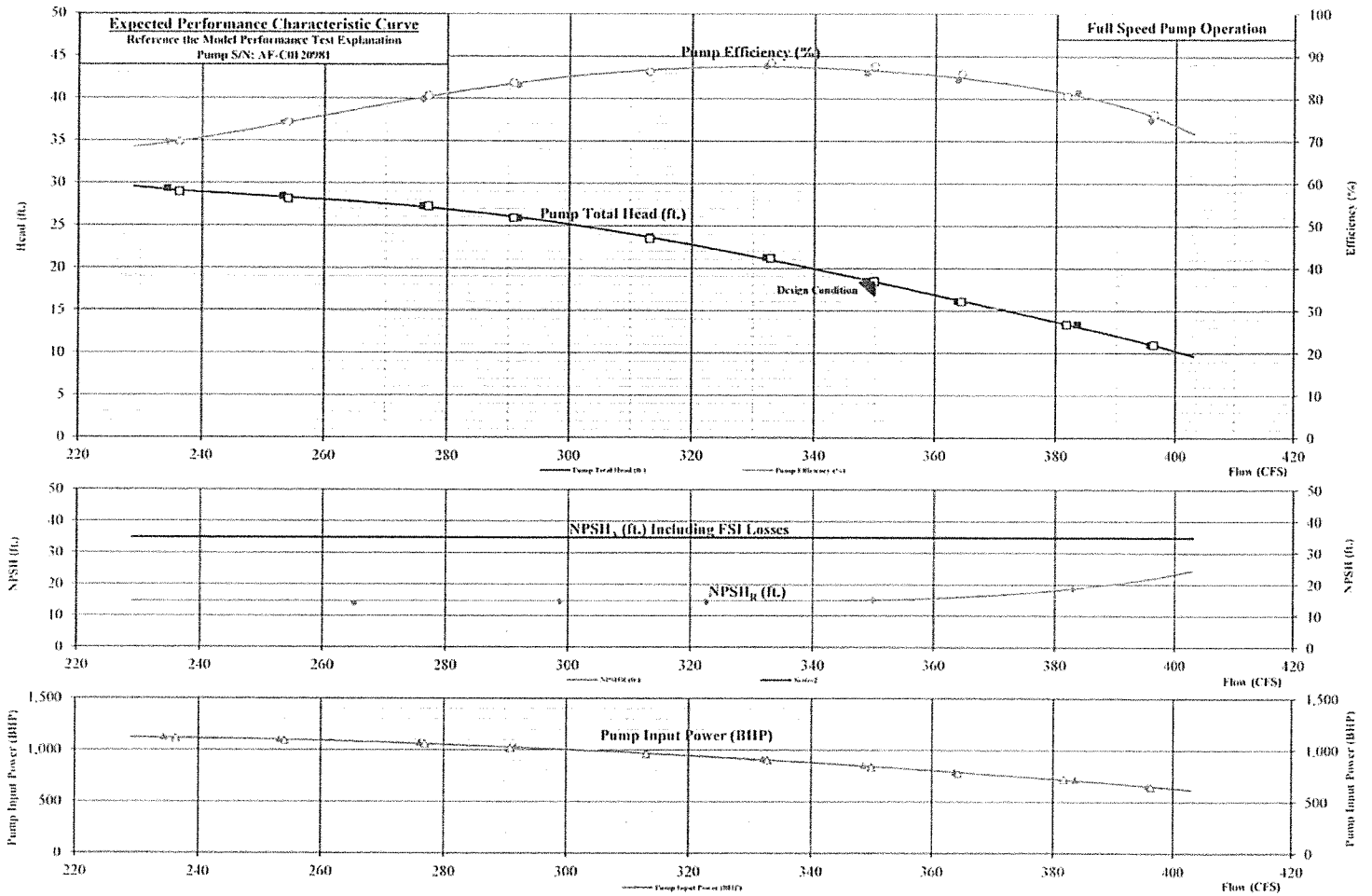
New Parish Line Pump Station

Phase I
Jefferson Parish Department of Drainage
66 x 72 TMF @ 273 RPM

Design Condition (Guaranteed)

Capacity = 350 CFS
Pump Total Head = 18.4 ft.
Pump Efficiency = 86.6%
NPSH_R = 30.3 ft.

The pump is capable of operating over the entire range specified in Addendum No. 3, Section 15131 "Mixed Flow Vertical Pump", Paragraphs 1.03 "Pump Performance" and 1.04 "Design Conditions".



Model Performance Test Explanation

Reference: AF-C0120981, P.C.C.P. Model Pump Test Report
Model Pump: 24 TMF, 4 Vanes, 22.97 inch Outside Diameter
Model Speed: 920 RPM
Test Date: August 7, 2013

As indicated in the model pump test report, the model pump performance (including internal pump losses) was calculated to be as follows.

Test # 1W

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.11	69.57	273.37
2	18,441.97	42.79	74.20	268.58
3	20,104.34	41.02	79.75	261.11
4	21,237.01	38.95	83.05	251.50
5	22,803.89	35.59	86.37	237.27
6	24,192.51	32.00	87.58	223.24
7	25,383.00	27.80	85.81	207.64
8	26,491.13	24.22	84.21	192.42
9	27,933.87	20.10	81.36	174.23
10	28,809.98	16.48	74.75	160.38

Test # 1WH

Model Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	17,216.08	43.59	69.71	271.83
2	18,508.67	42.34	74.24	266.54
3	20,165.54	41.01	80.59	259.17
4	21,178.90	38.97	83.70	249.04
5	22,803.89	35.25	86.19	235.54
6	24,243.28	31.84	88.36	220.59
7	25,479.70	27.73	87.56	203.76
8	26,537.40	24.19	85.79	188.96
9	27,801.79	20.10	80.45	175.44
10	28,852.44	16.48	76.14	157.75

Test # 1WA – 1WE

Model Pump NPSHR		
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above data was used to plot a model pump performance characteristic curve included in the model pump test report. For reference only, the model pump performance characteristic curve can be found at the end of this document.

The internal losses of the model pump at the tested flow rates are as indicated below (based on 0.627 feet of losses at 18,452 GPM).

Test # 1W

Model Pump Losses		
Ref.	GPM	Losses
1	17,072.01	0.537
2	18,441.97	0.626
3	20,104.34	0.744
4	21,237.01	0.831
5	22,803.89	0.958
6	24,192.51	1.078
7	25,383.00	1.186
8	26,491.13	1.292
9	27,933.87	1.437
10	28,809.98	1.529

Test # 1WH

Model Pump Losses		
Ref.	GPM	Losses
1	17,216.08	0.546
2	18,508.67	0.631
3	20,165.54	0.749
4	21,178.90	0.826
5	22,803.89	0.958
6	24,243.28	1.082
7	25,479.70	1.196
8	26,537.40	1.297
9	27,801.79	1.423
10	28,852.44	1.533

(NOTE: The model pump was tested with a C.O.E. Type 10 FSI. The FSI losses were considered to be system losses, not pump losses.)

Accounting for the pump internal losses, the model pump bowl performance is calculated to be as follows.

Test # 1W

Model Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	17,072.01	44.65	70.41	273.37
2	18,441.97	43.42	75.29	268.58
3	20,104.34	41.76	81.19	261.11
4	21,237.01	39.78	84.83	251.50
5	22,803.89	36.55	88.71	237.27
6	24,192.51	33.08	90.53	223.24
7	25,383.00	28.98	89.46	207.64
8	26,491.13	25.51	88.69	192.42
9	27,933.87	21.53	87.17	174.23
10	28,809.98	18.01	81.70	160.38

Test # 1WH

Model Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	17,216.08	44.13	70.58	271.83
2	18,508.67	42.97	75.35	266.54
3	20,165.54	41.76	82.05	259.17
4	21,178.90	39.80	85.47	249.04
5	22,803.89	36.21	88.53	235.54
6	24,243.28	32.92	91.36	220.59
7	25,479.70	28.92	91.32	203.76
8	26,537.40	25.49	90.40	188.96
9	27,801.79	21.53	86.16	175.44
10	28,852.44	18.02	83.23	157.75

Test # 1WA – 1WE

Model Pump NPSHR		
Ref.	GPM	NPSHR
1	19,312	20.90
2	21,753	21.80
3	23,496	21.70
4	25,480	22.60
5	27,890	28.10

The above model bowl performance data can then be mathematically converted to a scaled-up prototype unit with a rated speed of 273 RPM and a model ratio of 2.75 by using the modeling and speed change relationships (modeling equations), as indicated below.

Test # 1W

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.73	70.41	1,123.41
2	113,809.95	28.91	75.29	1,103.74
3	124,068.81	27.81	81.19	1,073.05
4	131,058.82	26.49	84.83	1,033.52
5	140,728.46	24.34	88.71	975.08
6	149,297.92	22.03	90.53	917.40
7	156,644.78	19.30	89.46	853.28
8	163,483.30	16.99	88.69	790.75
9	172,386.77	14.34	87.17	715.98
10	177,793.49	11.99	81.70	659.09

Test # 1WH

Prototype Bowl Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.39	70.58	1,117.08
2	114,221.56	28.61	75.35	1,095.33
3	124,446.50	27.81	82.05	1,065.06
4	130,700.24	26.50	85.47	1,023.43
5	140,728.46	24.11	88.53	967.93
6	149,611.24	21.92	91.36	906.50
7	157,241.52	19.26	91.32	837.35
8	163,768.86	16.97	90.40	776.55
9	171,571.70	14.34	86.16	720.99
10	178,055.53	12.00	83.23	648.27

Test # 1WA – 1WE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype bowl performance data was used as the basis for the submitted expected performance characteristic curve.

The prototype pump internal losses were calculated to be as follows (based on 0.77 feet of losses at 157,090.5 GPM).

Test # 1W

Prototype Pump Losses		
Ref.	GPM	Losses
1	105,355.60	0.346
2	113,809.95	0.404
3	124,068.81	0.480
4	131,058.82	0.536
5	140,728.46	0.618
6	149,297.92	0.696
7	156,644.78	0.766
8	163,483.30	0.834
9	172,386.77	0.927
10	177,793.49	0.986

Test # 1WH

Prototype Pump Losses		
Ref.	GPM	Losses
1	106,244.70	0.352
2	114,221.56	0.407
3	124,446.50	0.483
4	130,700.24	0.533
5	140,728.46	0.618
6	149,611.24	0.698
7	157,241.52	0.771
8	163,768.86	0.837
9	171,571.70	0.919
10	178,055.53	0.989

(NOTE: The prototype pump contains a C.O.E. Type 10 FSI. The FSI losses are considered to be system losses, not pump losses.)

Applying the prototype pump internal losses to the scaled-up bowl performance, the prototype pump performance is calculated to be as follows.

Test # 1W

Prototype Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	105,355.60	29.39	69.60	1,123.41
2	113,809.95	28.51	74.24	1,103.74
3	124,068.81	27.33	79.80	1,073.05
4	131,058.82	25.95	83.10	1,033.52
5	140,728.46	23.72	86.45	975.08
6	149,297.92	21.33	87.66	917.40
7	156,644.78	18.53	85.90	853.28
8	163,483.30	16.15	84.32	790.75
9	172,386.77	13.41	81.53	715.98
10	177,793.49	11.01	75.00	659.09

Test # IWH

Prototype Pump Performance				
Ref.	GPM	Head	Eff	BHP
1	106,244.70	29.03	69.72	1,117.08
2	114,221.56	28.21	74.29	1,095.33
3	124,446.50	27.33	80.64	1,065.06
4	130,700.24	25.97	83.75	1,023.43
5	140,728.46	23.49	86.24	967.93
6	149,611.24	21.22	88.44	906.50
7	157,241.52	18.49	87.68	837.35
8	163,768.86	16.14	85.96	776.55
9	171,571.70	13.42	80.64	720.99
10	178,055.53	11.01	76.36	648.27

Test # IWA – IWE

Prototype Pump NPSHR		
Ref.	GPM	NPSHR
1	119,180	13.92
2	134,243	14.52
3	144,999	14.45
4	157,242	15.05
5	172,116	18.71

The above prototype pump performance data was used to produce the submitted expected performance characteristic curve.

Patterson Pump Company

Model Pump Performance Characteristic Curve

P.C.C.P.

17th Street Pumping Station

Model Pump for the FUTURE 113 TME Pumps

24 TME @ 920 RPM

Test No. 1W, Regular Performance Test (Total Suction Head Equivalent to -14.0 feet.)

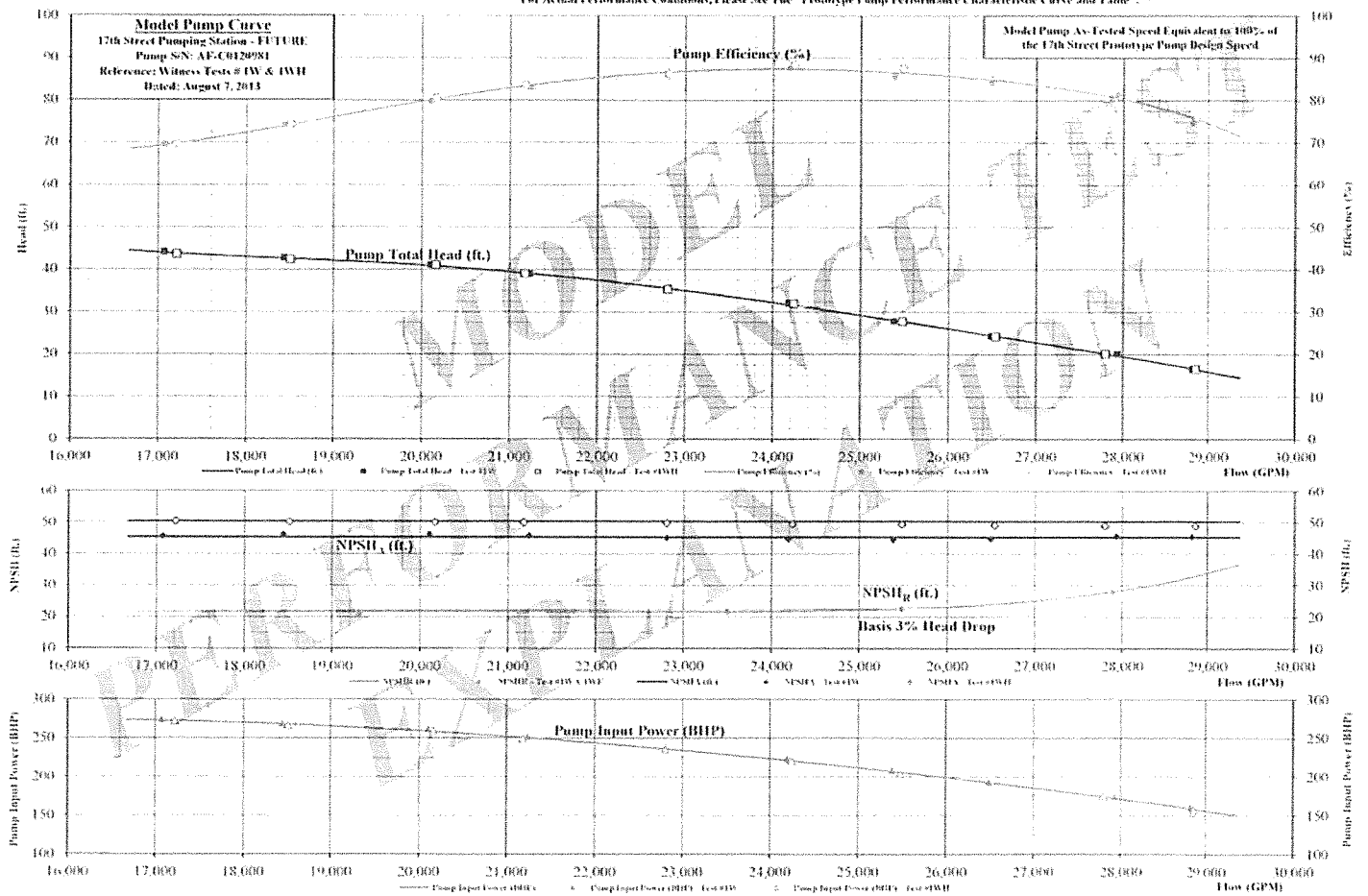
Test No. 1WH, Positive Pressure Performance Test (Total Suction Head Increased by 5 feet.)

Model Pump As-Tested Speed Equivalent to 100% of the 17th Street Prototype Pump Design Speed

Top Siphon Elevation = 21.0 ft

Prototype Elevation = 18.0 ft

For Actual Performance Conditions, Please See The "Prototype Pump Performance Characteristic Curve and Table".



Patterson Pump Company

Expected Torque vs. Percent Speed Curve

New Parish Line Pump Station

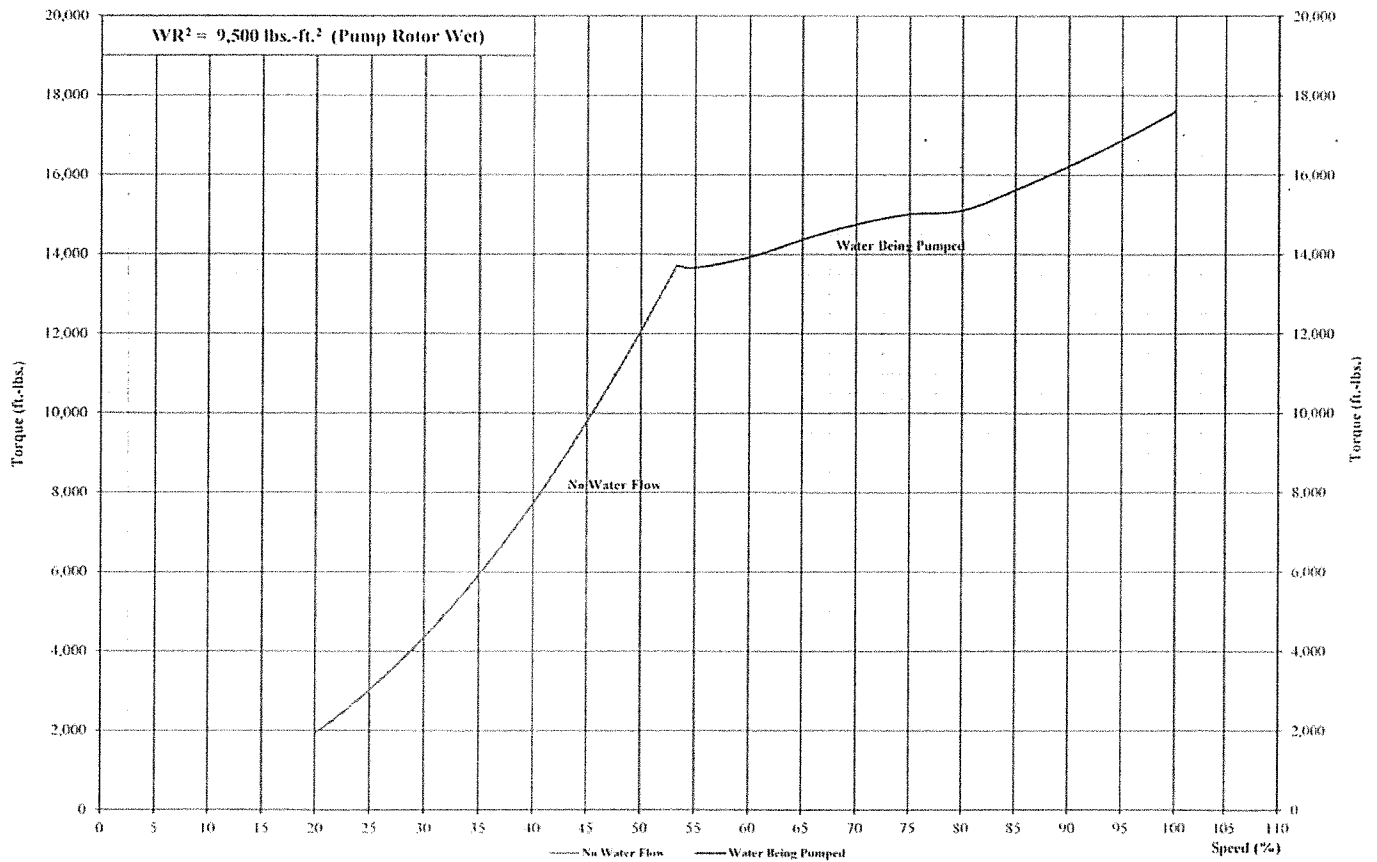
Phase I

Jefferson Parish Department of Drainage
66 x 72 TMF @ 273 RPM

Expected Torque vs. Percent Speed Curve

Worst-Case Priming Condition

(Suction W.L. Elevation = 9.5 feet)



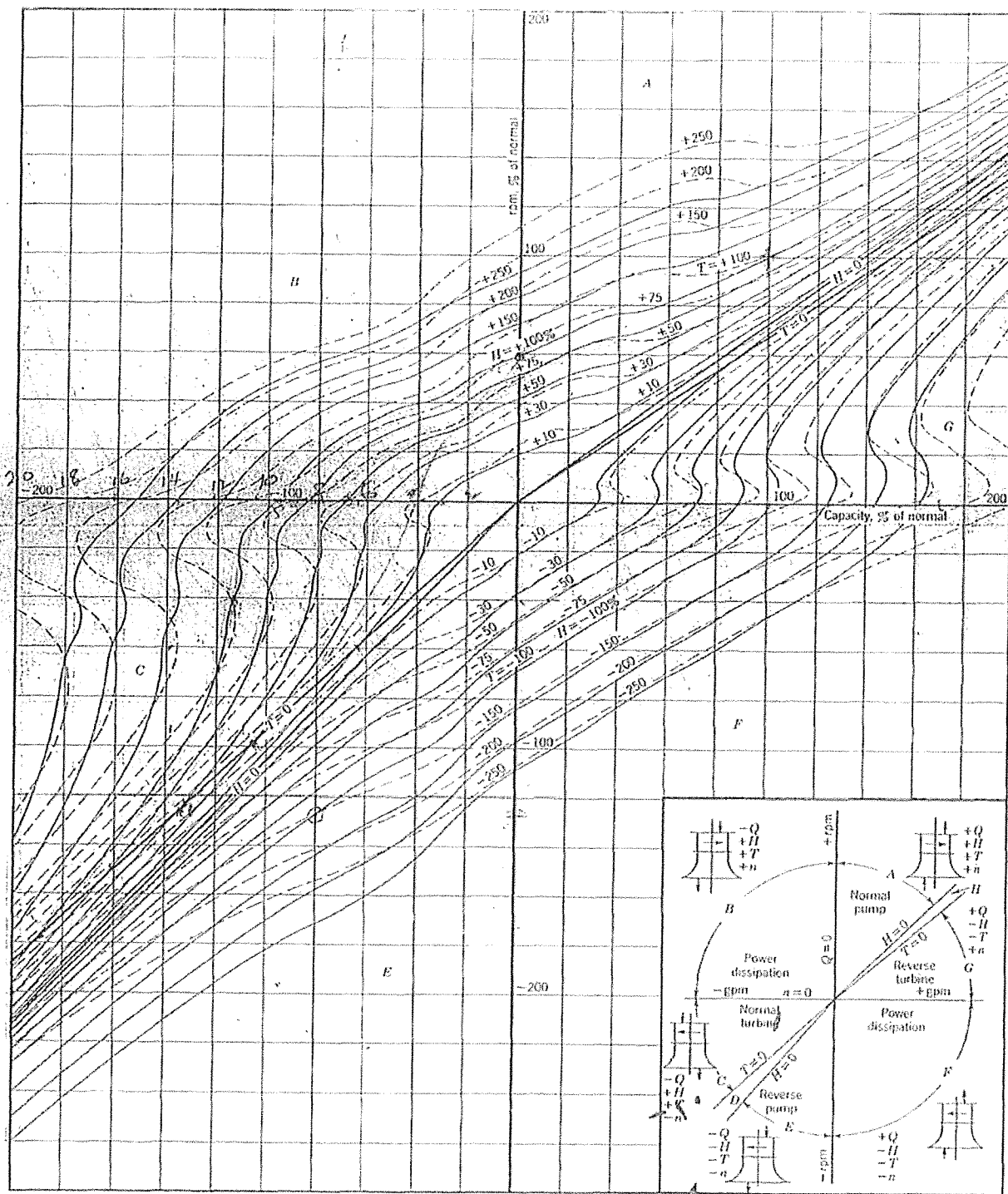


FIG. 13.4. Complete pump characteristics, axial flow pump; $n_s = 13,500$. Data by W. M. Swanson.²²

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Jefferson Parish
Attn: Purchasing Department
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053
(Owner to provide name and address of owner)

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project Number 2007-023-DR
Jefferson Parish Capital Projects
Proposal No. 50-00119429

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Digital Engineering & Imaging, Inc. and dated: November 2016
(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) #1, #2, #3

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

Ten million, Nine Hundred Fiftyone Thousand, Two Hundred seventyseven
Dollars (\$ 10,951,217)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

Alternate No. 2 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

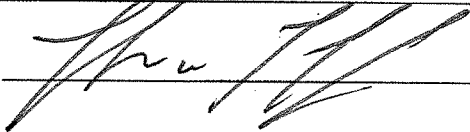
N/A Dollars (\$ N/A)

Alternate No. 3 (Owner to provide description of alternate and state whether add or deduct) for the lump sum of:

N/A Dollars (\$ N/A)

NAME OF BIDDER: TKTMJ, Inc
ADDRESS OF BIDDER: 100 Harbor Circle
New Orleans, LA 70126

LOUISIANA CONTRACTOR'S LICENSE NUMBER: 41156
NAME OF AUTHORIZED SIGNATORY OF BIDDER: Thomas W. Tubre, Jr.
TITLE OF AUTHORIZED SIGNATORY OF BIDDER: Vice President

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: 

DATE: July 13, 2017

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM

To: Jefferson Parish
200 Derbigny Street Suite 4400
Gretna, Louisiana 70053

BID FOR: New Parish Line Pump Station, Phase I
Public Works Project No. 2007-023-DR
Jefferson Parish Capital Projects

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$ 750,000	\$ 750,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Removal of Structures & Obstructions			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	1	Lump Sum	\$ 550,000	\$ 550,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Waterline (8") (P.V.C. C-900)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	120	Lin. Ft.	\$ 85	\$ 10,200

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fire Hydrant			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	1	Ea.	\$ 5500	\$ 5,500

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Valve (8")			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	1	Ea.	\$ 2500	\$ 2,500

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Asphaltic Conc. Roadway			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	937.5	Sq. Yd.	\$ 60	\$ 56,250

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Limestone Base Course			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	1035	Sq. Yd.	\$ 35	\$ 36,225

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Geotextile Fabric			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	1415	Sq. Yd.	\$ 6	\$ 8,490

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drainage Excavation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	5540	Cu. Yd.	\$ 6	\$ 33,240

Wording for "DESCRIPTION" is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the owner

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 24" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
10	170	Lin. Ft.	\$ 80	\$ 13,600

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 30" P.V.C. Drainage			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
11	85	Lin. Ft.	\$ 90	\$ 7,650

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Drop Inlet			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
12	2	Ea.	\$ 10,000	\$ 20,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Chain Link Fence (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
13	665	Lin. Ft.	\$ 38	\$ 25,270

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Swing Drive Gate (8 Foot Height)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
14	1	Ea.	\$ 2800	\$ 2800

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Ø O.D. Steel Pipe			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
15	368	Lin. Ft.	\$ 2100	\$ 772,800

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 84" Expansion Coupling			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
16	5	Ea.	\$ 10,000	\$ 50,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Elbow			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
17	1	Ea.	\$ 150,000	\$ 150,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Discharge Basin			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
18	1	Lump Sum	\$ 450,000	\$ 450,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Precast Concrete Pile (14" Sq.)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
19	3520	Lin. Ft.	\$ 70	\$ 246,400

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Concrete Caps			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
20	39	Cu. Yd.	\$ 1200	\$ 46,800

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Double Hung Door (8'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
21	1	Ea.	\$ 8000	\$ 8,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Single Door (3'x8')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
22	1	Ea.	6,000	6,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Hand Rail			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
23	215	Lin. Ft.	150	32,250

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Relocate Exist. Stairs			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
24	1	Ea.	\$ 15,000	\$ 15,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Access Hatch (3'x3')			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
25	1	Ea.	\$ 3,500	\$ 3,500

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Roof Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
26	1	Lump Sum	\$ 85,000	\$ 85,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Structural Steel			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
27	1	Lump Sum	275,000	275,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Precast Concrete Panels			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
28	315	Lin. Ft.	200	63,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Temporary Retaining Structure			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
29	1	Lump Sum	\$ 500,000	\$ 500,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Untreated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
30	11,410	Lin. Ft.	\$ 13	\$ 148,330

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Treated Timber Piles (Class B)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
31	5010	Lin. Ft.	\$ 13	\$ 65,130

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Structural Concrete			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
32	640	Cu. Yd.	\$ 400	\$ 256,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Fuel Tank Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
33	1	Ea.	\$ 25,000	25,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Transformer Pad			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
34	1	Ea.	\$ 25,000	\$ 25,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Muffler Support			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
35	1	Ea.	\$ 10,000	\$ 10,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ 350 CFS Mixed Flow Vertical Pump			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
36	1	Ea.	\$ 1,840,000	\$ 1,840,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Right Angle Reduction Gear			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
37	1	Ea.	\$ 483,000	\$ 483,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Diesel Pump Drive			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
38	1	Ea.	\$ 529,000	\$ 529,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Mechanical Climber Screen			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
39	1	Ea.	\$ 851,000	\$ 851,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Top Running Overhead Crane			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
40	1	Ea.	\$ 30,000	\$ 30,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Fuel Storage & Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
41	1	Lump Sum	\$ 140,000	\$ 140,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Compressed Air and Vacuum Breaker Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
42	1	Lump Sum	\$ 300,000	\$ 300,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Engine Exhaust System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
43	1	Lump Sum	\$ 18,000	\$ 18,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Dry Run Pump Drainage System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
44	1	Lump Sum	\$ 15,000	\$ 15,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ HVAC System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
45	1	Lump Sum	\$ 1,200,000	\$ 1,200,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Raw Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
46	1	Lump Sum	\$ 33,120	\$ 33,120

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Domestic Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
47	1	Lump Sum	\$ 13,000	\$ 13,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cooling Water System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
48	1	Lump Sum	\$ 18,000	\$ 18,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Materials and Methods			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
49	1	Lump Sum	\$ 89,135	\$ 89,135

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
50	1	Lump Sum	\$ 51,155	\$ 51,155

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical Distribution System (Under 600V)			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
51	1	Lump Sum	\$ 121,372	\$ 121,372

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Medium Voltage Power Distribution System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
52	1	Lump Sum	\$ 108,328	\$ 108,328

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Grounding and Lightning Protection Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
53	1	Lump Sum	\$ 17,270	\$ 17,270

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Power System Study			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
54	1	Lump Sum	\$ 12,000	\$ 12,000

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Process Control and Instrumentation Systems			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
55	1	Lump Sum	\$ 458,902	\$ 458,902

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Piping Insulation System			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
56	1	Lump Sum	\$ 48,000	\$ 48,000



Louisiana State Licensing Board for Contractors

Contractor Information

Business Name TKTMJ, INC.
Mailing Address 109 Arthur Street
 Natchitoches, LA 71457
Phone Number (318) 352-6420
Fax Number (318) 354-1566
Email Address glenda.mcdonald@tktmj.com
Website tktmj.com

Active Licenses

License Number 41156
Type Commercial License
Status LICENSED
Effective 01/02/2015
Expiration 01/01/2018
First Issued 01/01/2004
License Number 84032
Type Residential License
Status LICENSED
Effective 05/21/2015
Expiration 05/20/2018
First Issued 05/20/1999

Classifications

Class	Qualifying Party	Parishes
BUILDING CONSTRUCTION	Michael Tubre	ALL
BUILDING CONSTRUCTION	Thomas William Tubre	ALL
BUSINESS AND LAW	Michael Tubre	ALL
BUSINESS AND LAW	Thomas William Tubre	ALL
BUSINESS AND LAW	Michael Tubre	ALL
BUSINESS AND LAW	Thomas William Tubre	ALL
HEAVY CONSTRUCTION	Michael Tubre	ALL
HEAVY CONSTRUCTION	Thomas William Tubre	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Michael Tubre	ALL
HIGHWAY, STREET AND BRIDGE CONSTRUCTION	Thomas William Tubre	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Michael Tubre	ALL
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION	Thomas William Tubre	ALL
RESIDENTIAL BUILDING CONTRACTOR	Michael Tubre	ALL
RESIDENTIAL BUILDING CONTRACTOR	Thomas William Tubre	ALL
SPECIALTY: RIGGING, HOUSE MOVING, WRECKING AND DISMANTLING	Thomas William Tubre	ALL

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, the undersigned, TKTMJ, Inc.

_____ as PRINCIPAL, and

Travelers Casualty and Surety Company of America as SURETY, are held and firmly bound unto the Parish of Jefferson, hereinafter called the "OWNER", in the penal sum of:

Five Percent of the Bid Amount

DOLLARS (\$ 5%) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid dated July 13, 20 17, for:

**NEW PARISH LINE PUMP STATION, PHASE I
PUBLIC WORKS PROJECT NO. 2007-023-DR
JEFFERSON PARISH CAPITAL PROJECTS**

NOW, THEREFORE, if the Principal shall not withdraw said Bid within the period specified therein after the opening of the same or, if no period be specified, within forty-five (45) days after the said opening, and shall within the period specified therefore or, if no period be specified, within twelve (12) days after the prescribed forms are presented to him for signature, enter into a written Contract with the Parish in accordance with the Bid as accepted, and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said Bid within the period specified, or the failure to enter into such Contract and give such bond within the time specified, if the Principal shall pay the Parish the difference between the amount specified in said Bid and the amount for which the Parish may procure the required work or supplies, or both, if the latter be in excess of the former, then the above obligation shall be void and of no effect, otherwise, to remain in full force and virtue.

IN WITNESS WHEREOF, the above bounded parties have executed this instrument under their several seals this 13th day of July, 20 17, the name and corporate seal of each corporate party being hereto affixed and these presents signed by its undersigned representative, pursuant to authority of its governing body.

BID BOND (continued)

In Presence of _____
(Individual Principal)

(Business Address, including Zip Code)

(Partnership)

(SEAL)

(Business Address, including Zip Code)

ATTEST:

BY:

Thomas W. Tubre Jr.
Thomas W. Tubre Jr. V.P.

TKTMJ, Inc.

(Corporate Principal)

109 Arthur Street Natchitoches, LA 71457

(Business Address, including Zip Code)

EY: _____

AFFIX CORPORATE SEAL

ATTEST:

Len L...

Travelers Casualty and Surety Company of America

(Corporate Surety)

One Tower Square Hartford, CT 06183

(Business Address, including Zip Code)

BY:

Cathy P. Grace
Cathy P. Grace
AFFIX CORPORATE SEAL

Cathy P. Grace, Attorney-in-Fact

Countersigned:

BY:

Cathy P. Grace
Cathy P. Grace
Attorney-in-Fact*

State of Louisiana



POWER OF ATTORNEY

Farmington Casualty Company
 Fidelity and Guaranty Insurance Company
 Fidelity and Guaranty Insurance Underwriters, Inc.
 St. Paul Fire and Marine Insurance Company
 St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
 Travelers Casualty and Surety Company
 Travelers Casualty and Surety Company of America
 United States Fidelity and Guaranty Company

Attorney-In Fact No.

223921

Certificate No. 006783185

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

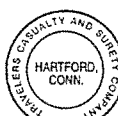
Cathy P. Grace, and Sharon R. Carughi

of the City of Baton Rouge, State of Louisiana, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 9th day of May, 2016.

Farmington Casualty Company
 Fidelity and Guaranty Insurance Company
 Fidelity and Guaranty Insurance Underwriters, Inc.
 St. Paul Fire and Marine Insurance Company
 St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
 Travelers Casualty and Surety Company
 Travelers Casualty and Surety Company of America
 United States Fidelity and Guaranty Company



State of Connecticut
 City of Hartford ss.

By:

Robert L. Raney, Senior Vice President

On this the 9th day of May, 2016, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
 My Commission expires the 30th day of June, 2021.



Marie C. Tetreault
 Marie C. Tetreault, Notary Public

Public Works Bid

AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF Orleans

BEFORE ME, the undersigned authority, personally came and appeared: _____
Thomas W. Tubre, Jr., (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Vice President of TKTMJ, Inc. (Entity),
the party who submitted a bid in response to Bid Number 50-00119429, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B x there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Affiant further said:

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Affiant further said:

Affiant personally has not been convicted of, nor has he/she entered into a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. No individual partner, incorporator, director, manager, officer, organizer, or member, who has a minimum of a ten percent ownership in the Bidding Entity, has been convicted of, or has entered a plea of guilty or nolo contendere to any of the crimes or equivalent federal crimes listed below. A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall permanently bar any person or the bidding entity from bidding on public projects:

- | | |
|---------------------------------------|------------------------------------|
| (a) Public bribery (R.S. 14:118) | (c) Extortion (R.S. 14:66) |
| (b) Corrupt influencing (R.S. 14:120) | (d) Money laundering (R.S. 14:230) |

A conviction of or plea of guilty or nolo contendere to the following state crimes or equivalent federal crimes shall bar any person or the bidding entity from bidding on public projects for a period of five years from the date of conviction or from the date of the entrance of the plea of guilty or nolo contendere:

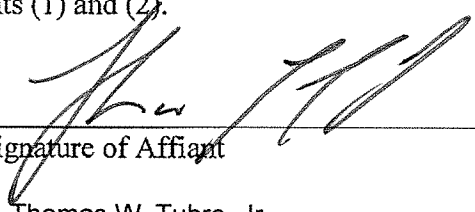
- | | |
|--|---|
| (a) Theft (R.S. 14:67) | (f) Bank fraud (R.S. 14:71.1) |
| (b) Identity Theft (R.S. 14:67, 16) | (g) Forgery (R.S. 14:72) |
| (c) Theft of a business record (R.S. 14:67.20) | (h) Contractors; misapplication of payments (R.S. 14:202) |
| (d) False accounting (R.S. 14:70) | (i) Malfeasance in office (R.S. 14:134) |
| (e) Issuing worthless checks (R.S. 14:71) | |

The five-year prohibition provided for in this section shall apply only if the crime was committed during the solicitation or execution of a contract or bid awarded pursuant to these provisions. If evidence is submitted substantiating that a false attestation has been made and the project must be readvertised or the contract cancelled, the awarded entity making the false attestation shall be responsible to the public entity for the costs of rebidding, additional costs due to increased costs of bids and any and all delay costs due to the rebid or cancellation of this project.

[The remainder of this page is intentionally left blank.]

Affiant further said:

- (1) Entity is registered and participates in a status verification system to verify that all employees in the State of Louisiana are legal citizens of the United States or are legal aliens.
- (2) Entity shall continue, during the term of the contract, to utilize a status verification system to verify the legal status of all new employees in the State of Louisiana.
- (3) Entity shall require all subcontractors to submit to the Entity a sworn affidavit verifying compliance with statements (1) and (2).




Signature of Affiant

Thomas W. Tubre, Jr.

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 13th DAY OF July, 2017.



Notary Public

JASON P. HERNANDEZ

Printed Name of Notary

29518

Notary/Bar Roll Number

My commission expires WITH LIFE



[Print](#)

Notary Search - Detail

Name: MR. JASON PAUL HERNANDEZ
Address: 748 EMERALD STREET
NEW ORLEANS, LA 70124
Phone: (504) 237-3575
Notary ID Number: 82957
Parish: JEFFERSON with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 29518
Status: Active
Commission Date: 03/15/2006
Oath Date: 12/15/2005
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

[Back to Search Results](#)[New Search](#)

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
TKTMJ, Inc.

INCORPORATED.

AT THE MEETING OF DIRECTORS OF TKTMJ, Inc.
INCORPORATED, DULY NOTICED AND HELD ON July 12, 2017,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT Thomas W. Tubre, Jr., BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.



SECRETARY-TREASURER Michael W. Tubre

July 13, 2017

DATE

**Request for Taxpayer
Identification Number and Certification**

Give form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) TKTMJ, Inc	
	Business name, if different from above	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
	Address (number, street, and apt. or suite no.) 109 Arthur Street	
	City, state, and ZIP code Natchitoches, LA 71457	
List account number(s) here (optional)		
Requester's name and address (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

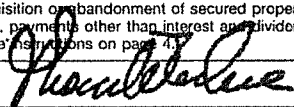
Social security number
or
Employer identification number
72 : 1268354

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶ 	Date ▶ 2/13/2015
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,