

DATE: 9/13/2017

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BID NO.: 50-00120679

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF (1) YEAR 9-28-2018

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

stock to 14 days

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Consolidated Pipe and Supply

ADDRESS: 812 Little Farms Ave

CITY, STATE: Metairie LA, ZIP: 70003

TELEPHONE: 504 737-1212 FAX: (504) 737 7909

EMAIL ADDRESS: TRANDALL@ConsolidatedPipe.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ _____

AUTHORIZED SIGNATURE: Timothy Randall

TITLE: Branch Manager

Timothy RANDALL
Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 9/13/2017

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00120679

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			ONE (1) YEAR CONTRACT FOR A SUPPLY OF GATE AND BUTTERFLY VALVES FOR THE JEFFERSON PARISH DEPT. OF PUBLIC WORKS, ALL WATER DISTRICTS AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES		
1	1.00	EA	0020 - 3 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62201A)	272.00	272.00
2	15.00	EA	0050 - 4 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62402A)	304.45	4,566.75
3	60.00	EA	0090 - 6 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62405A)	388.00	23,280.00
4	80.00	EA	0120 - 8 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62408A)	619.00	49,520.00
5	3.00	EA	0150 - 10 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62411A)	964.00	2,892.00
6	5.00	EA	0180 - 12 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62414A)	1233.00	6,165.00
7	1.00	EA	0210 - 14 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT (62416)	5,112.00	5,112.00
8	1.00	EA	0240 - 3 INCH RESILIENT SEAT GATE VALVE, FLANGE (62201)	272.00	272.00
9	1.00	EA	0270 - 4 INCH RESILIENT SEAT GATE VALVE, FLANGE (62400A)	304.00	304.00
10	50.00	EA	0300 - 6 INCH RESILIENT SEAT GATE VALVE, FLANGE (62403A)	404.50	20,225.00
11	10.00	EA	0330 - 8 INCH RESILIENT SEAT GATE VALVE, FLANGE (62406A)	631.25	6,312.50
12	1.00	EA	0360 - 10 INCH RESILIENT SEAT GATE VALVE, FLANGE (62409)	1,033.62	1,033.62

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00120679

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
13	1.00	EA	0390 - 12 INCH RESILIENT SEAT GATE VALVE, FLANGE (62412)	1,222.22	1,222.22
14	1.00	EA	0420 - 14 INCH RESILIENT SEAT GATE VALVE, FLANGE	5,396.00	5,396.00
15	1.00	EA	0450 - 3 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE	266.00	266.00
16	5.00	EA	0480 - 4 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE (62636A)	296.70	1,483.50
17	100.00	EA	0510 - 6 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE (62637A)	388.50	38,850.00
18	20.00	EA	0540 - 8 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE (62638A)	613.00	12,260.00
19	1.00	EA	0570 - 10 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE (62639)	995.00	995.00
20	1.00	EA	0600 - 12 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE (62640)	1,170.00	1,170.00
21	1.00	EA	0630 - 14 INCH RESILIENT SEAT GATE VALVE, MECHANICAL JOINT X FLANGE	5,000.	5,000
22	1.00	EA	0640 - 6 INCH BUTTERFLY VALVE, MECHANICAL JOINT	1,741.00	1,741.00
23	1.00	EA	0650 - 8 INCH BUTTERFLY VALVE, MECHANICAL JOINT	2,188.00	2,188.00
24	1.00	EA	0660 - 10 INCH BUTTERFLY VALVE, MECHANICAL JOINT	2,936.00	2,936.00
25	10.00	EA	0670 - 12 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62360)	3,262.00	32,620.00

DATE: 9/13/2017

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00120679

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
26	2.00	EA	0680 - 14 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62361)	4,203.00	8,406.00
27	1.00	EA	0690 - 16 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62365)	4,121.00	4,121.00
28	10.00	EA	0700 - 18 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62367)	5,456.00	54,560.00
29	1.00	EA	0710 - 20 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62372)	6,122.00	6,122.00
30	1.00	EA	0720 - 24 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62349)	5,835.00	5,835.00
31	1.00	EA	0730 - 30 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62374)	11,800.00	11,800.00
32	1.00	EA	0740 - 36 INCH BUTTERFLY VALVE, MECHANICAL JOINT (62375)	16,770.00	16,770.00
33	1.00	EA	0750 - 42 INCH BUTTERFLY VALVE, MECHANICAL JOINT	22,434.00	22,434.00
34	1.00	EA	0755 - 48 INCH BUTTERFLY VALVE, MECHANICAL JOINT	26,000.00	26,000.00
35	1.00	EA	0760 - 6 INCH BUTTERFLY VALVE, FLANGE (62356)	1,741.00	1,741.00
36	1.00	EA	0770 - 8 INCH BUTTERFLY VALVE, FLANGE (62357)	2,288.00	2,288.00
37	1.00	EA	0780 - 10 INCH BUTTERFLY VALVE, FLANGE (62358)	2,950.00	2,950.00
38	1.00	EA	0790 - 12 INCH BUTTERFLY VALVE, FLANGE (62359)	3,275.00	3,275.00

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INVITATION TO BID FROM JEFFERSON PARISH - continued

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BID NO.: 50-00120679

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
39	1.00	EA	0800 - 14 INCH BUTTERFLY VALVE, FLANGE (62362)	4,203.00	4,203.00
40	1.00	EA	0810 - 16 INCH BUTTERFLY VALVE, FLANGE (62366)	4,121.00	4,121.00
41	1.00	EA	0820 - 18 INCH BUTTERFLY VALVE, FLANGE (62370)	5,456.00	5,456.00
42	1.00	EA	0830 - 20 INCH BUTTERFLY VALVE, FLANGE (62371)	6,122.00	6,122.00
43	1.00	EA	0840 - 24 INCH BUTTERFLY VALVE, FLANGE (62348)	5,935.00	5,935.00
44	1.00	EA	0850 - 30 INCH BUTTERFLY VALVE, FLANGE (62347)	11,900.00	11,900.00
45	1.00	EA	0860 - 36 INCH BUTTERFLY VALVE, FLANGE (62346)	16,900.00	16,900.00
46	1.00	EA	0870 - 42 INCH BUTTERFLY VALVE, FLANGE (62345)	23,000.00	23,000.00
47	1.00	EA	0875 - 48 INCH BUTTERFLY VALVE, FLANGE (62344)	26,500.00	26,500.00
48	6.00	EA	0880 - 3 INCH DOUBLE DISC GATE VALVE, FLANGE (62629)	NO Bid	NO Bid
49	6.00	EA	0890 - 4 INCH DOUBLE DISC GATE VALVE, FLANGE (62632)	NO Bid	NO Bid
50	16.00	EA	0900 - 6 INCH DOUBLE DISC GATE VALVE, FLANGE (62242)	NO Bid	NO Bid
51	12.00	EA	0910 - 8 INCH DOUBLE DISC GATE VALVE, FLANGE (62244)	NO Bid	NO Bid

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SEAALED BID

BID NO.: 50-00120679

[illegible]



PHONE (205) 323-7261

Consolidated
PIPE & SUPPLY COMPANY, INC.

P.O. BOX 2472
BIRMINGHAM, ALABAMA 35201

RESOLUTION
OF THE BOARD OF DIRECTORS
OF
CONSOLIDATED PIPE & SUPPLY COMPANY, INC.

Upon motion duly made, seconded and adopted, it was unanimously RESOLVED, that Timothy Randall, the Branch Manager of the Metairie, LA. Branch of Consolidated Pipe & Supply Co. Inc. of Birmingham, Alabama is authorized to sign and execute documents, relating to the Jefferson Parish Purchasing Department (Bid #50-001250679 - Gate and Butterfly Valves) that bids on September 28, 2017.

The undersigned, as President of Consolidated Pipe & Supply, Inc. certifies that the above and foregoing is a true and correct copy of the resolution adopted by the Board of Directors of Consolidated Pipe & Supply, Inc. in a session held on the 14th day of September, 2017.

WITNESS MY HAND, and the seal of the Corporation

This 14th, day of September 2017

Howard Kerr
President & Chairman of the Board of Directors

9/14/2017
Date



Consolidated Pipe & Supply Company, Inc. • An Equal Opportunity Employer

Non-Public Works Bid

AFFIDAVIT

STATE OF LOUISIANAPARISH/COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: Timothy RANDALL, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Branch Manager of Consolidated Pipe and Supply (Entity), the party who submitted a bid in response to Bid Number 50-00120679, 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.

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

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

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.

Timothy Randall
Signature of Affiant

TIMOTHY RANDALL
Printed Name of Affiant

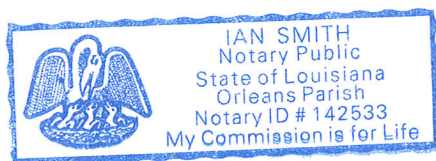
SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 28th DAY OF September, 2017.

Ian Smith
Notary Public

Ian Smith
Printed Name of Notary

142533
Notary/Bar Roll Number

My commission expires on death.



[Print](#)

Notary Search - Detail

Name: MR. IAN SMITH
Address: 2600 NORTH RAMPART STREET
NEW ORLEANS, LA 70117
Phone: (603) 767-3374
Notary ID Number: 142533
Parish: ORLEANS with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 36277
Status: Active
Commission Date: 04/12/2016
Oath Date: 04/11/2016
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

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

Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
09/14/2017

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 MCGRIFF, SEIBELS & WILLIAMS, INC. P.O. Box 10265 Birmingham, AL 35202	CONTACT NAME:	
	PHONE (A/C, No, Ext): 800-476-2211	FAX (A/C, No):
INSURED Consolidated Pipe and Supply Company, Inc. Post Office Box 2472 Birmingham, AL 35201	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Property Casualty Company of America	
	INSURER C: Sentry Insurance Company	
	INSURER D: Alabama Self Insured WC Fund	
INSURER E: Midwest Employers Cas Co		
INSURER F:		
NAIC #		

COVERAGES

CERTIFICATE NUMBER: KQ4F66YX

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
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 checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			630-4358N052	05/01/2017	05/01/2018	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 \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			810-4358N052	05/01/2017	05/01/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$			CUP-4J614058	05/01/2017	05/01/2018	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C D E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N <input type="checkbox"/>	N / A	416900 WC10004169002017A (AL) 90527880100171 (Sentry)	01/01/2017	01/01/2018	<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)
Certificate Holder is Additional Insured under General Liability and Automobile Liability as required by written contract.
General Liability Additional Insured status is afforded on a Primary and Non-Contributory basis as required by written contract.
Waiver of Subrogation applies in favor of Certificate Holder under General Liability and Auto Liability as required by written contract.

CERTIFICATE HOLDER

Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
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

STANDARD INSURANCE REQUIREMENTS – PUBLICLY ADVERTISED BIDS

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the advertised bid. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability, Workmen's Compensation Insurance and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

JEFFERSON PARISH REQUIRED STANDARD INSURANCE**☒ WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

Note: If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

Note: This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office with the concurrence of the Director of Risk Management.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

FOR CONSTRUCTION AND RENOVATION PROJECTS:

The following are required unless otherwise specified in the bid. Such insurance is due upon contract execution.

1) OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

2) BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

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.

Consolidated Pipe & Supply Company, 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:

- ☐ Individual/sole proprietor or single-member LLC
☐ 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.
☐ Other (see instructions) ▶
- ☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) **5**

Exemption from FATCA reporting code (if any)

(Applies to accounts maintained outside the U.S.)

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

1205 Hilltop Pkwy

6 City, state, and ZIP code

Birmingham, AL 35204

Requester's name and address (optional)

7 List account number(s) here (optional)

Remit to: Dept. 3147 P.O. Box 2153 Birmingham, AL 35287-3147

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

6 3 - 0 4 1 8 3 8 4

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 ▶

Angela Routh

Date ▶

3/2/2017

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.

Mueller Co.

PROJECT SUBMITTAL

September 25, 2017 Rev.

Project

Annual Bid #50-00120679

Jefferson Parish, LA

Sales Order #

Purchase Order #

Proposal/Quote #

Q-017-17512



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

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Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

Date: September 25, 2017

Revision:

SCOPE OF SUPPLY



401 S. HIGHLAND AVENUE, AURORA, IL 60506
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Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

SCOPE OF SUPPLY

LINE	QTY	TAG/LOCATION	DESCRIPTION
1	1	Location: Tag #:	6" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, SS Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 114 lbs
2	1	Location: Tag #:	8" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 141 lbs
3	1	Location: Tag #:	10" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 177 lbs
4	1	Location: Tag #:	12" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 236 lbs
5	1	Location: Tag #:	14" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT3S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 357 lbs
6	1	Location: Tag #:	16" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT3S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 418 lbs
7	1	Location: Tag #:	18" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT4S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 557 lbs
8	1	Location: Tag #:	20" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT4S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 664 lbs



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9	1	Location: Tag #:	24" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT4S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 978 lbs
10	1	Location: Tag #:	30" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5 Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 2,102 lbs
11	1	Location: Tag #:	36" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5 Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 2,954 lbs
12	1	Location: Tag #:	42" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 4,392 lbs
13	1	Location: Tag #:	48" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware ESTIMATED WEIGHT: 5,628 lbs



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Date: September 25, 2017
Revision:

SPECIFICATION SHEETS



401 S. HIGHLAND AVENUE, AURORA, IL 60506
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Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 1

Location: Tag #:

Unit Weight: 114

6" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, SS Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 114 lbs

C-017-54139

VALVE DATA

General Information

Product:	AWWA Butterfly Valve
Valve Size:	6"
Pressure Class:	150B
End Connection:	Mechanical Joint
Drill Pattern:	N/A
Seat Design:	Bonded Seat in Body
Disc Edge Design:	Overlay Edge
Disc/Pin Connection:	Thru Pin Design
Shaft Packing Design:	Self Adjusting V Type

Material Specification

Body Material:	D.I. ASTM A536 (65-45-12)
Disc Material:	CF-8M ASTM A351 Gr.CF8M
Shaft & Pin Material:	304 S.S. ASTM A276
Disc Edge Material:	CF-8M ASTM A351 Gr.CF8M
Bearing Material:	Nylatron
Seat & Seal Material:	Buna-N
Exterior Hardware:	316 Stainless Steel
Material Options:	None

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 1

Location: Tag #:

Unit Weight: 114

6" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, SS Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54139

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-2S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	32

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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Purchase Order #:
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Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 2

Location: Tag #:

Unit Weight: 141

8" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 141 lbs

C-017-54140

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	8"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:		Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 2

Location: Tag #:

Unit Weight: 141

8" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54140

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-2S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	32

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 3

Location: Tag #:

Unit Weight: 177

10" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 177 lbs

C-017-54141

VALVE DATA

General Information

Material Specification

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	10"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 3

Location: Tag #:

Unit Weight: 177

10" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54141

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-2S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	32

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 4

Location: Tag #:

Unit Weight: 236

12" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 236 lbs

C-017-54142

VALVE DATA

General Information

Material Specification

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	12"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 4

Location: Tag #:

Unit Weight: 236

12" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT2S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54142

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-2S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	32

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 5

Location: Tag #:

Unit Weight: 357

14" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT3S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 357 lbs

C-017-54143

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	14"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
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Line Item #: 5

Location: Tag #:

Unit Weight: 357

14" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT3S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54143

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-3S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	30

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 6

Location: Tag #:

Unit Weight: 418

16" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT3S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 418 lbs

C-017-54144

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	16"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 6

Location: Tag #:

Unit Weight: 418

16" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT3S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54144

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-3S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	30

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 7

Location: Tag #:

Unit Weight: 557

18" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT4S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 557 lbs

C-017-54145

VALVE DATA

General Information

Material Specification

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	18"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 7

Location: Tag #:

Unit Weight: 557

18" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT4S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54145

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-4S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	40

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 8

Location: Tag #:

Unit Weight: 664

20" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT4S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 664 lbs

C-017-54146

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	20"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Nylatron
Seat Design:	Bonded Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



401 S. HIGHLAND AVENUE, AURORA, IL 60506
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Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 8

Location: Tag #:

Unit Weight: 664

20" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Nylatron Bearing, MDT4S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54146

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-4S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	40

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



401 S. HIGHLAND AVENUE, AURORA, IL 60506
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Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 9

Location: Tag #:

Unit Weight: 978

24" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT4S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 978 lbs

C-017-54147

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	24"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Teflon Lined Fiberglass Backing
Seat Design:	Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



401 S. HIGHLAND AVENUE, AURORA, IL 60506
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Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 9

Location: Tag #:

Unit Weight: 978

24" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT4S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54147

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-4S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	40

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 10

Location: Tag #:

Unit Weight: 2,102

30" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5 Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 2,102 lbs

C-017-54148

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	30"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Teflon Lined Fiberglass Backing
Seat Design:	Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 10

Location: Tag #:

Unit Weight: 2,102

30" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5 Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54148

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-5
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	44

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 11

Location: Tag #:

Unit Weight: 2,954

36" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5 Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 2,954 lbs

C-017-54149

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	36"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Teflon Lined Fiberglass Backing
Seat Design:	Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 11

Location: Tag #:

Unit Weight: 2,954

36" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5 Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54149

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-5
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	44

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 12

Location: Tag #:

Unit Weight: 4,392

42" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 4,392 lbs

C-017-54150

VALVE DATA

General Information

Material Specification

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	42"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Teflon Lined Fiberglass Backing
Seat Design:	Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



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TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 12

Location: Tag #:

Unit Weight: 4,392

42" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54150

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-5S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	136

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 13

Location: Tag #:

Unit Weight: 5,628

48" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5S Buried Service Nut Open Left, 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

Unit Weight: 5,628 lbs

C-017-54151

VALVE DATA

General Information

Product:	AWWA Butterfly Valve	Body Material:	D.I. ASTM A536 (65-45-12)
Valve Size:	48"	Disc Material:	D.I. ASTM A536 (65-45-12)
Pressure Class:	150B	Shaft & Pin Material:	304 S.S. ASTM A276
End Connection:	Mechanical Joint	Disc Edge Material:	316-L
Drill Pattern:	N/A	Bearing Material:	Teflon Lined Fiberglass Backing
Seat Design:	Seat in Body	Seat & Seal Material:	Buna-N
Disc Edge Design:	Overlay Edge	Exterior Hardware:	316 Stainless Steel
Disc/Pin Connection:	Thru Pin Design	Material Options:	None
Shaft Packing Design:	Self Adjusting V Type		

Paint

Interior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)
Exterior Paint:	Amercoat 370 (A-69636) 2 Coats (8 Mils)

Valve is NSF 61, drinking water, approved.

Testing Requirements

Leak/Hydro Test:	Per AWWA C504, Latest Version
Cycle/Performance Test:	Per AWWA C504, Latest Version

Actual test reports will be provided at time of shipment, if required.

See Catalog for additional design details: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>

Notes/Customer Specifications



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Line Item #: 13

Location: Tag #:

Unit Weight: 5,628

48" Mechanical Joint 150B Butterfly Valve, Buna Seat, DI Body, DI Disc, 304SS Shaft, Teflon Lined Fiberglass Backing Bearing, MDT5S Buried Service Nut Open Left , 8 Mils Amercoat 370 NSF Epoxy Interior, 8 Mils Amercoat 370 NSF Epoxy Exterior, 316SS Hardware

C-017-54151

ACTUATOR DATA

General Information

Actuator Type:	MDT Manual
MDT Model:	MDT-5S
Actuator Position:	Position 1
Opening Direction:	Open Left
Method of Operation:	Buried Service Nut
Number of Turns:	136

Shall withstand an input torque of 450 ft-lbs at extreme operator position without damage.

Exterior Options

Actuator Paint:	Amercoat 370, 2 Coats (8 Mils)
Exterior Hardware:	316 Stainless Steel

Literature: <http://catalog.muellercompany.com/Catalogs/Butterfly-Valves-Sec-11/37>



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Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

CERTIFICATES OF CONFORMANCE



401 S. HIGHLAND AVENUE, AURORA, IL 60506
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Purchase Order #:
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Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

Certificate of Conformance Butterfly Valves

We hereby certify that the valves identified herein will be manufactured in accordance with referenced specifications and the applicable sections of:

- 1) For Valves 3" – 72" - AWWA C504 – Latest Edition**
- 2) For Valves 78" and larger – AWWA C516 – Latest Edition**

The valves will be shop operated three (3) times to verify that the complete assembly is workable.

A handwritten signature in dark ink, appearing to read "Bob Newkirk". The signature is fluid and cursive, with the first and last names being the most prominent parts.

Bob Newkirk
Quality Assurance Manager
Henry Pratt Company



401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

DRAWINGS

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

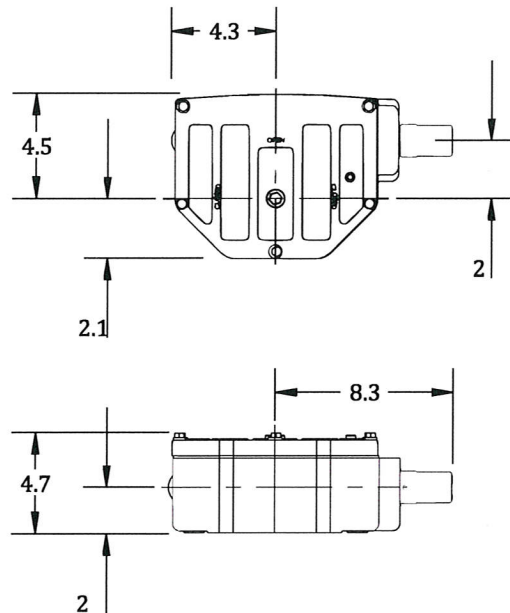
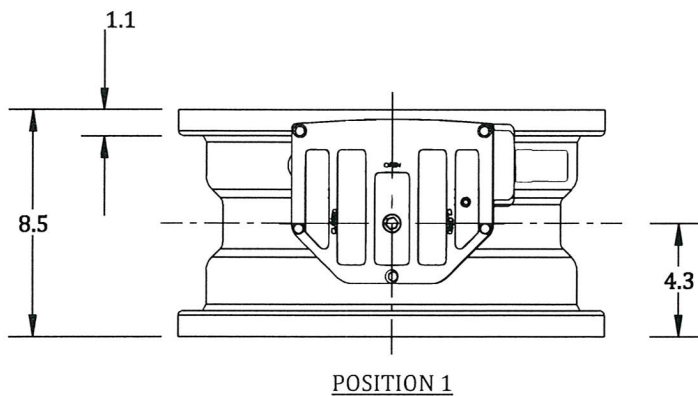
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

Date: September 25, 2017

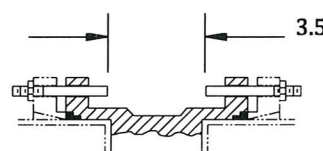
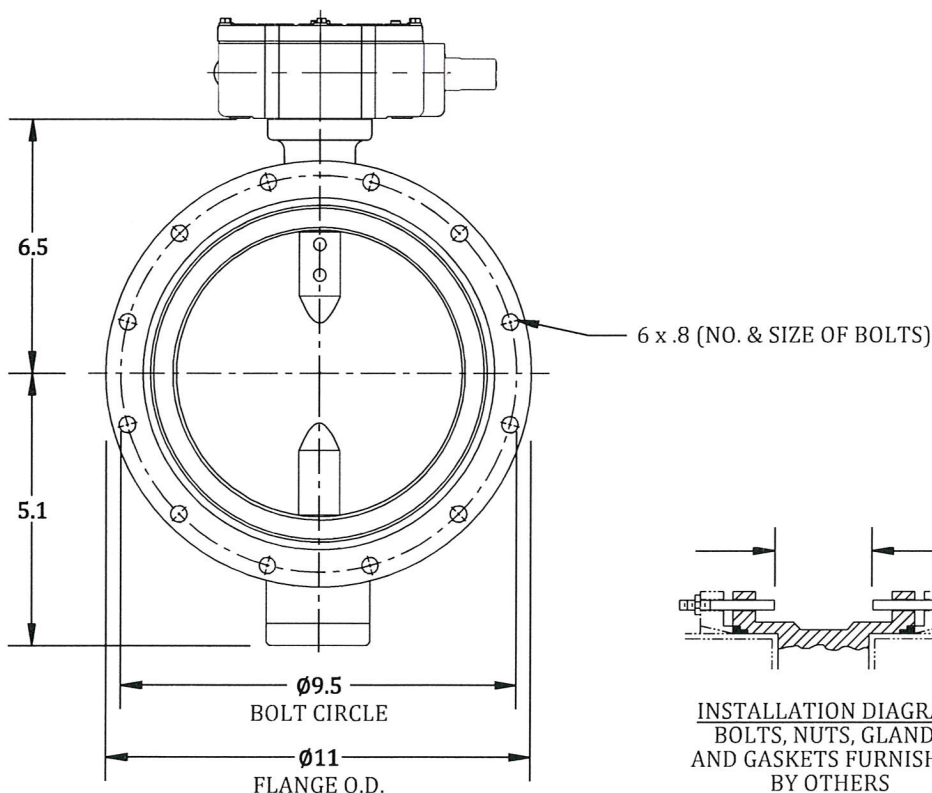
Revision:



ACTUATOR DETAILS

NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

6" 150B MJ BFV
MDT-2S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23908

36 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

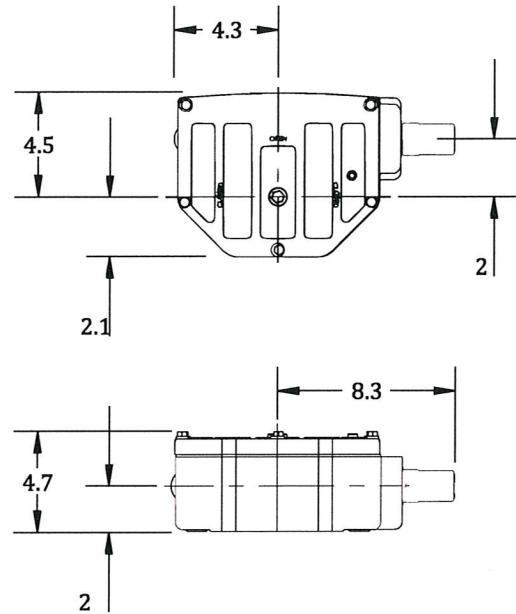
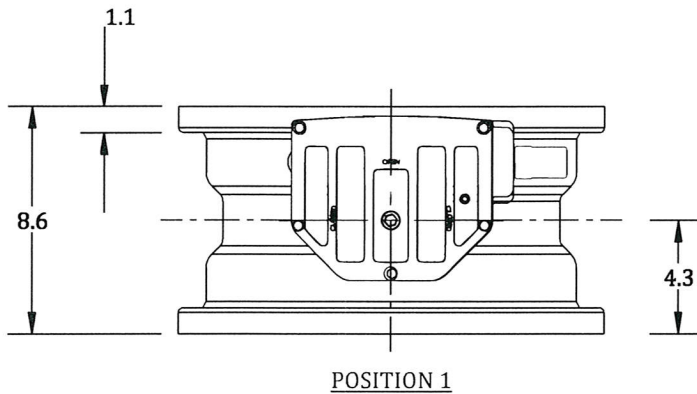
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

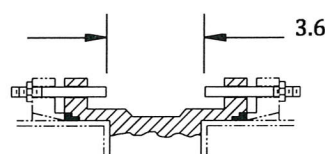
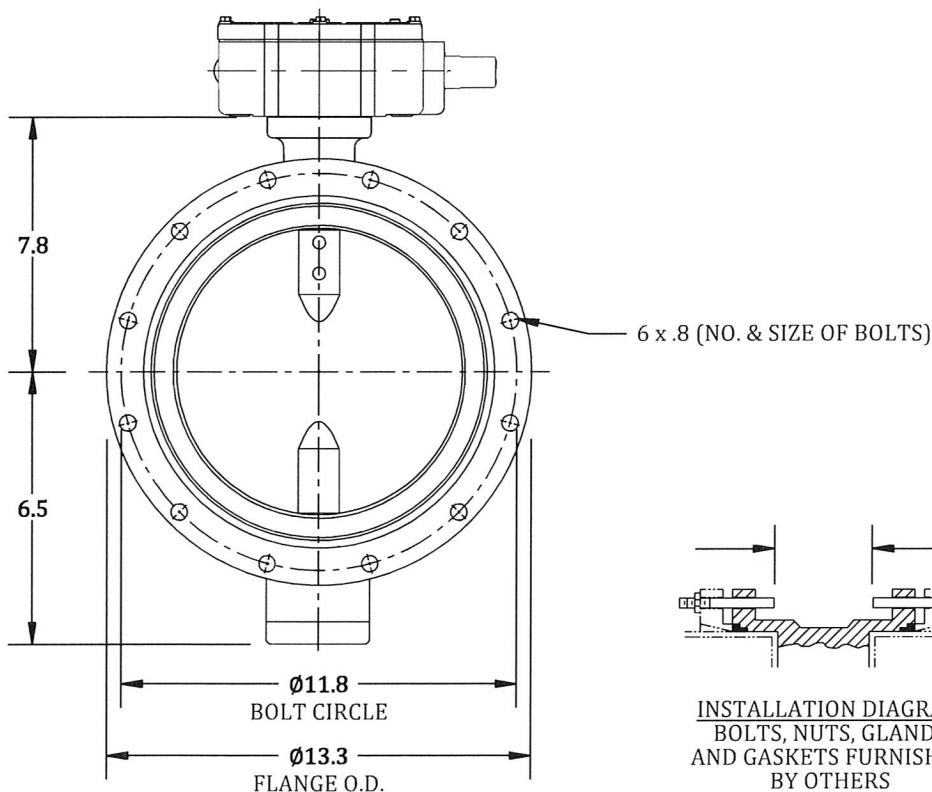
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

8" 150B MJ BFV
MDT-2S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23909

37 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

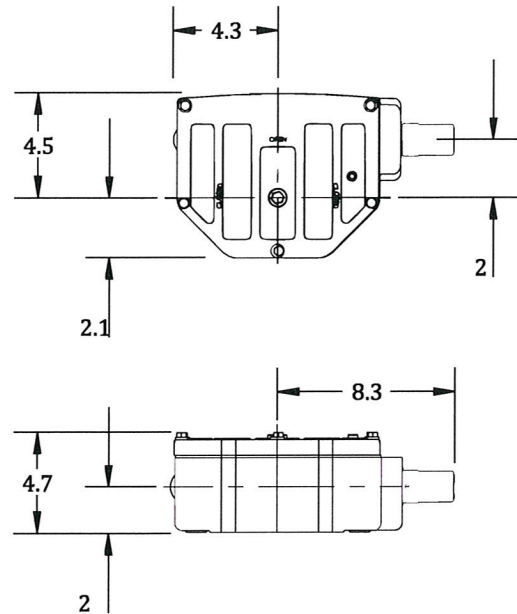
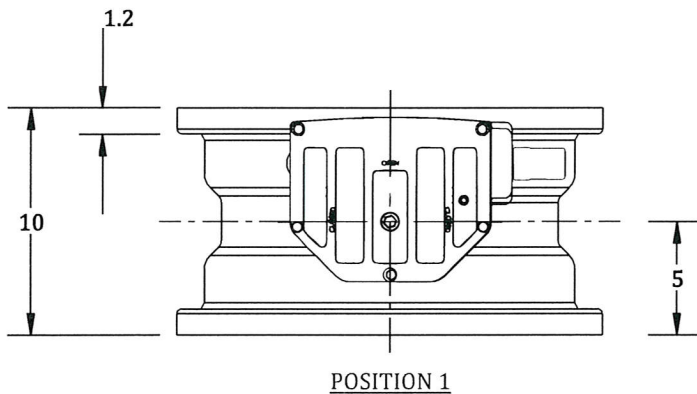
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

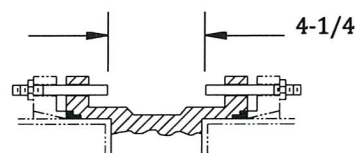
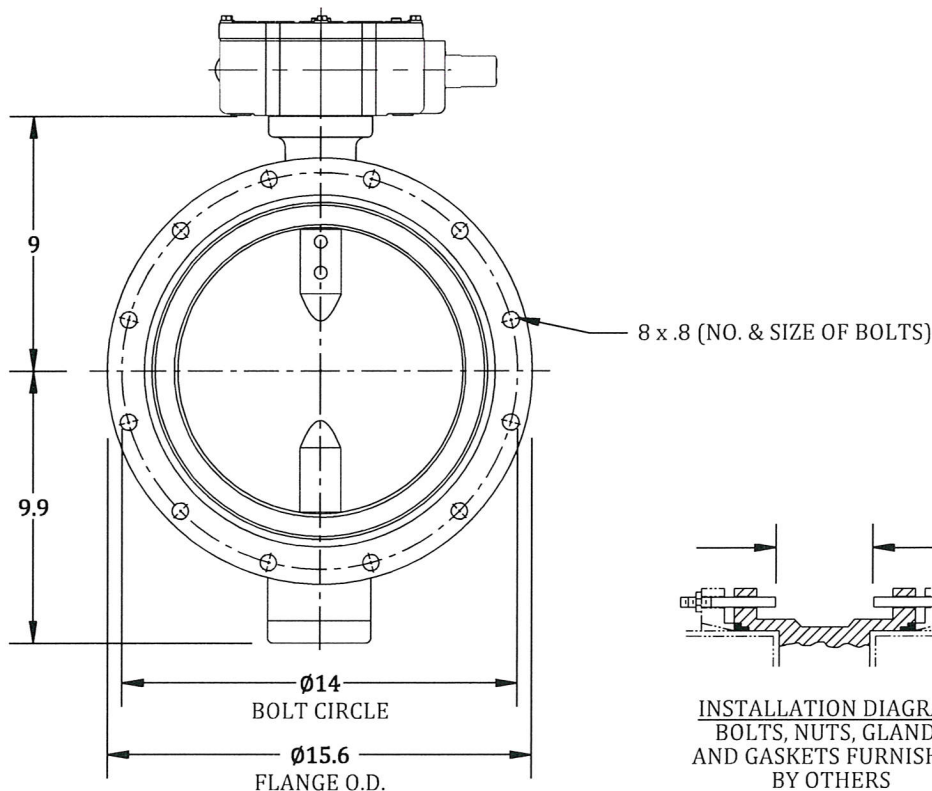
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

10" 150B MJ BFV
MDT-2S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A

DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23910

38 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

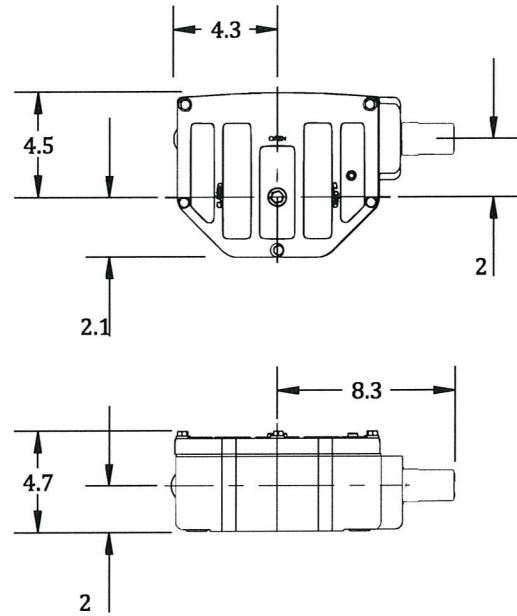
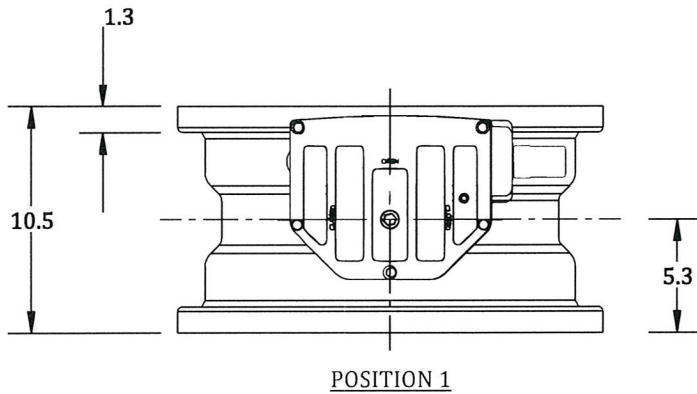
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

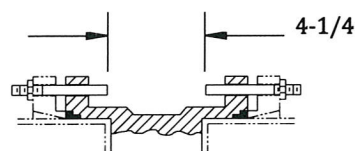
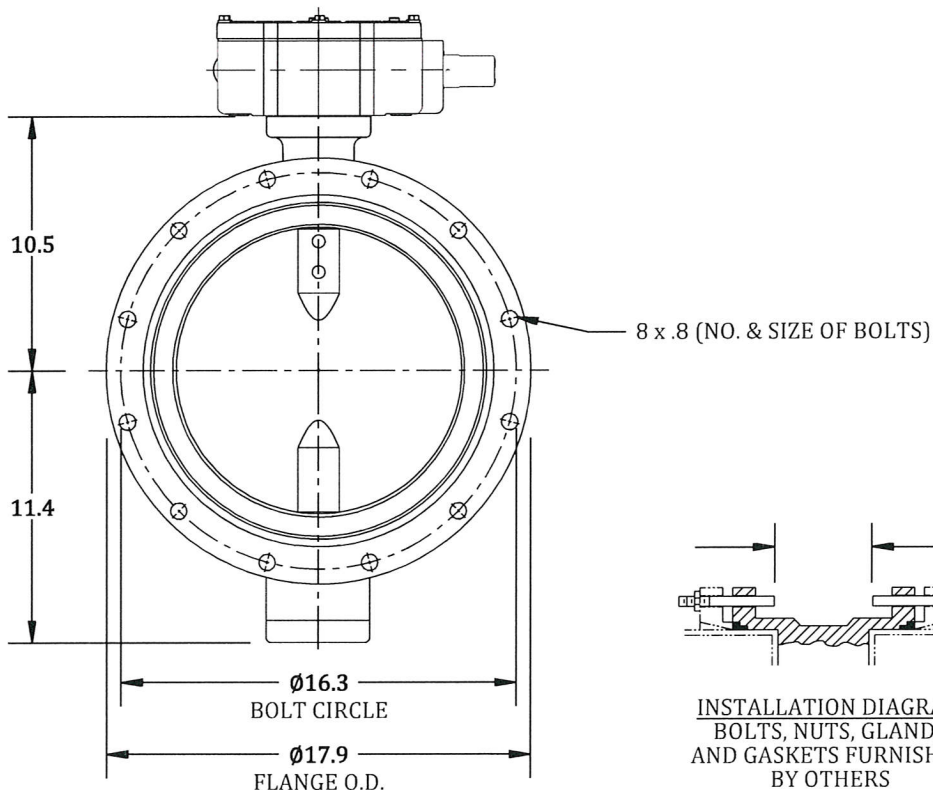
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

12" 150B MJ BFV
MDT-2S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23911 39 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

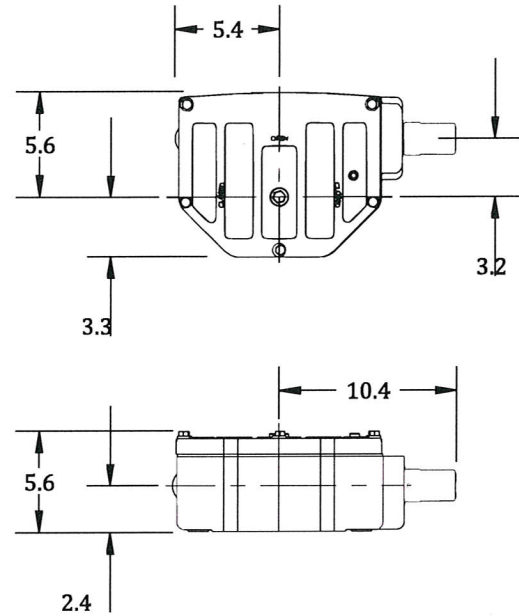
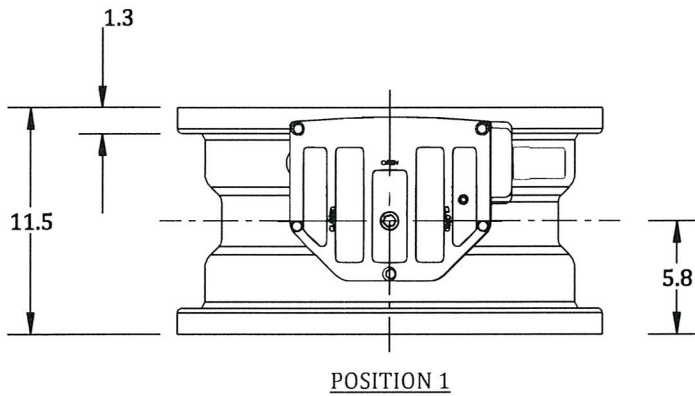
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

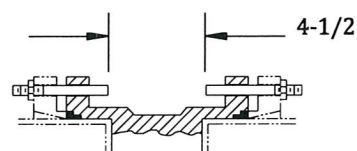
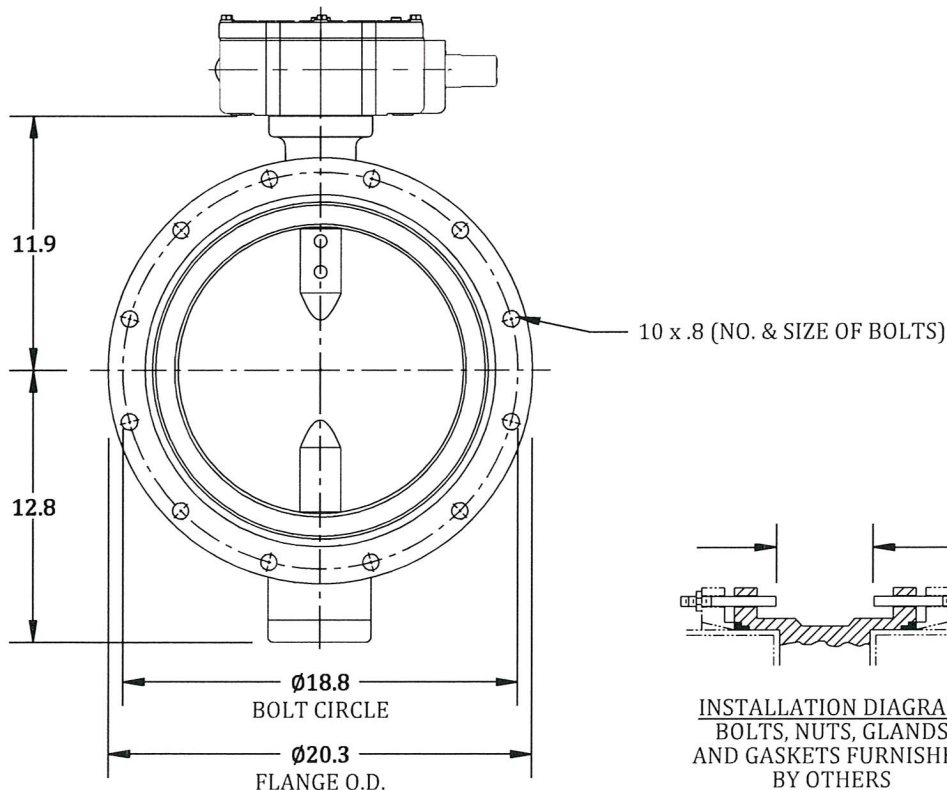
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

14" 150B MJ BFV
MDT-3S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A

DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23912

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NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

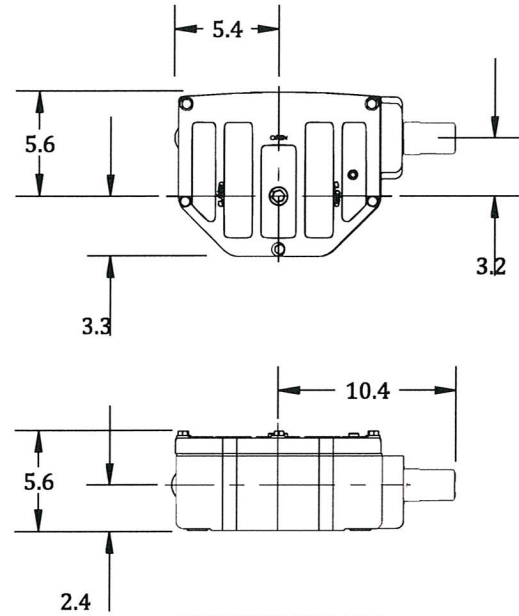
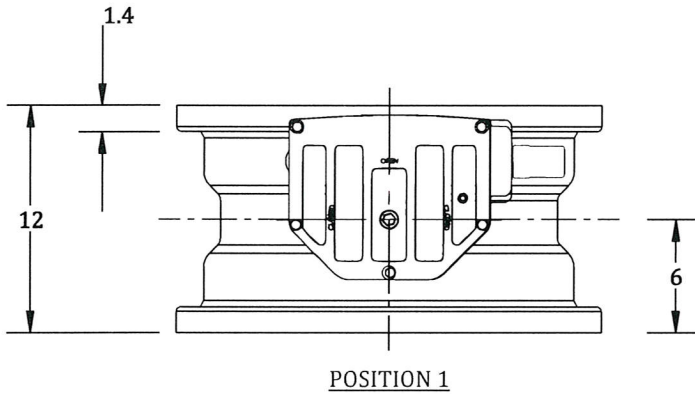
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

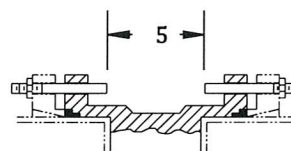
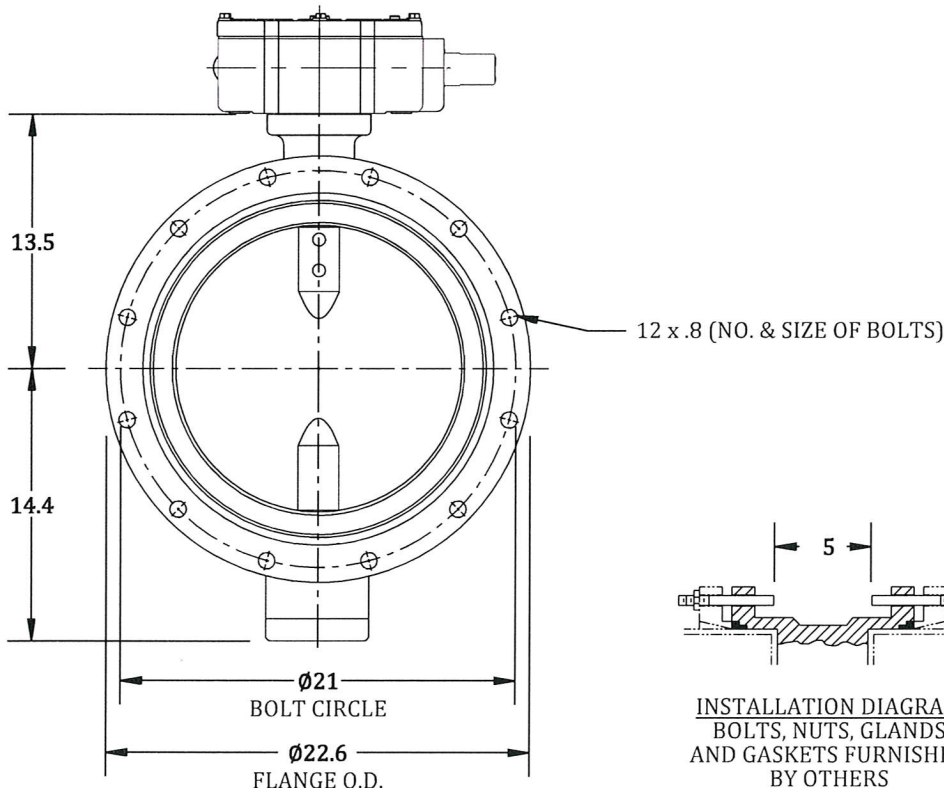
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

16" 150B MJ BFV
MDT-3S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23913 41 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

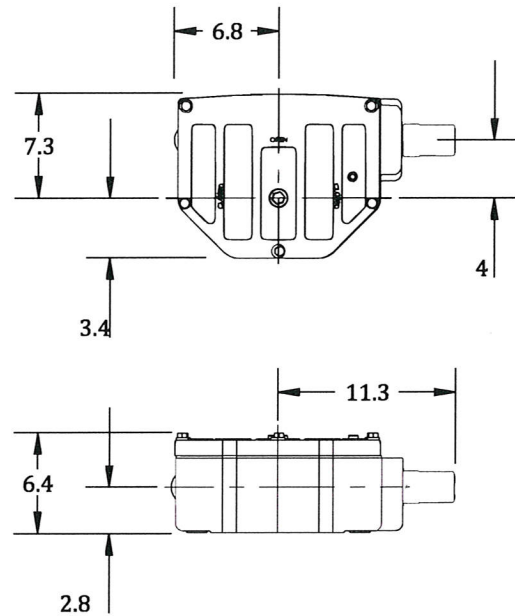
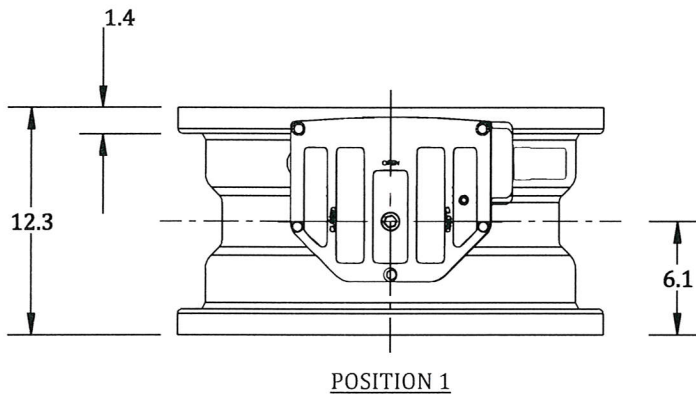
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

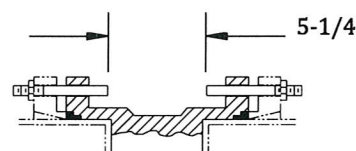
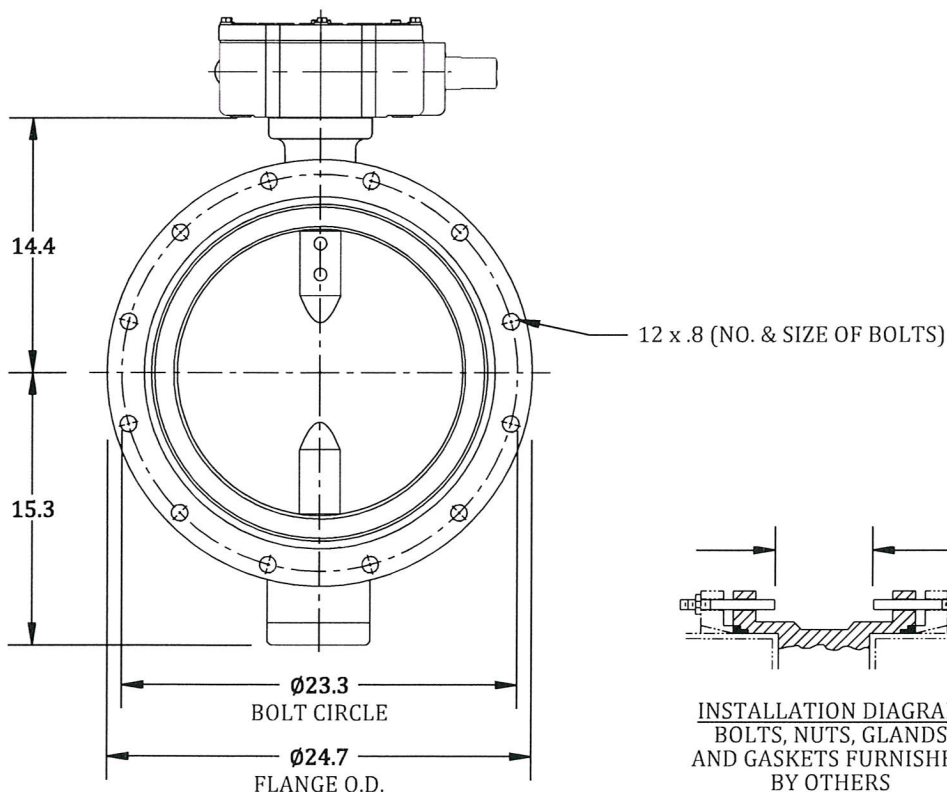
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

18" 150B MJ BFV
MDT-4S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23914

42 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

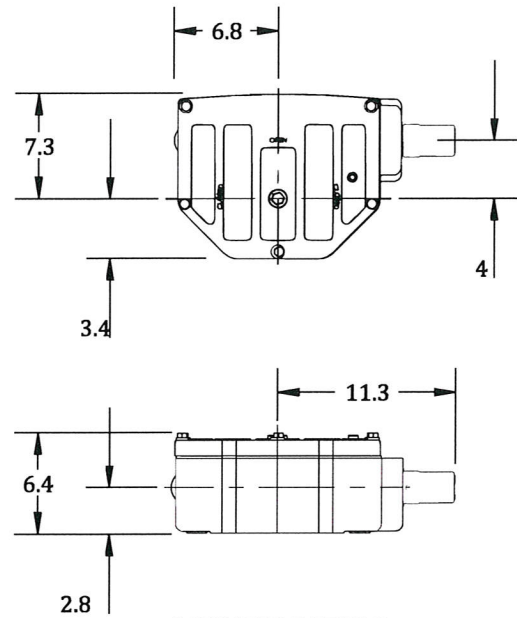
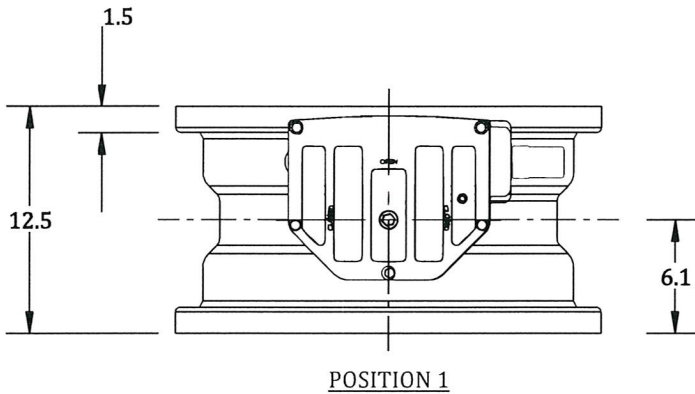
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

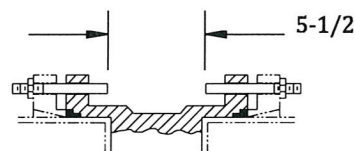
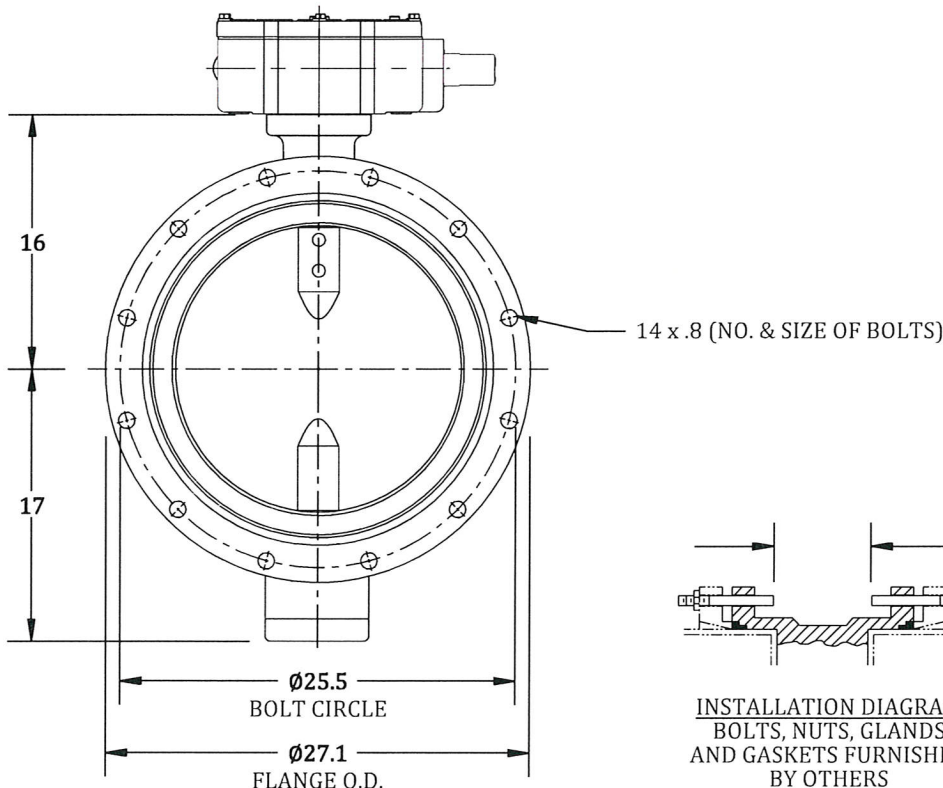
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

20" 150B MJ BFV
MDT-4S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23915

43 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

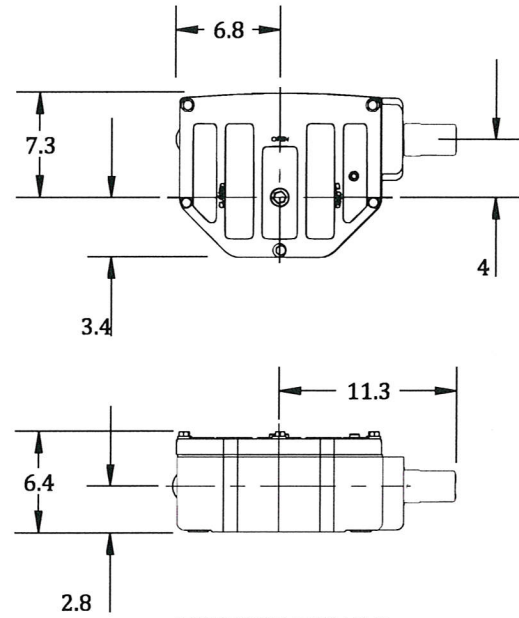
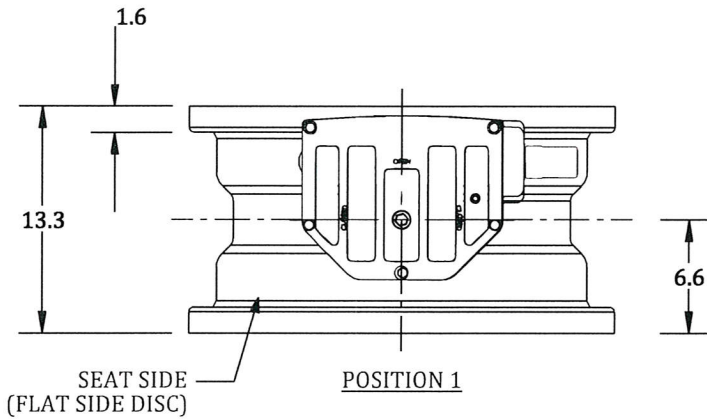
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

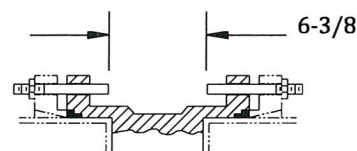
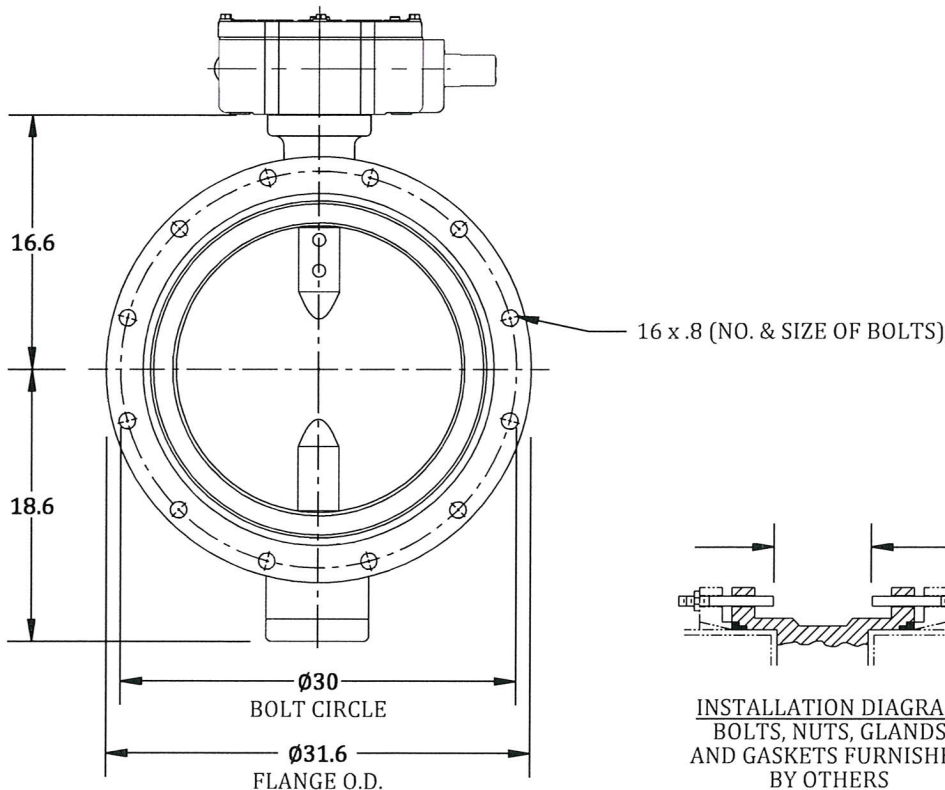
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

24" 150B MJ BFV
MDT-4S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23916 44 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

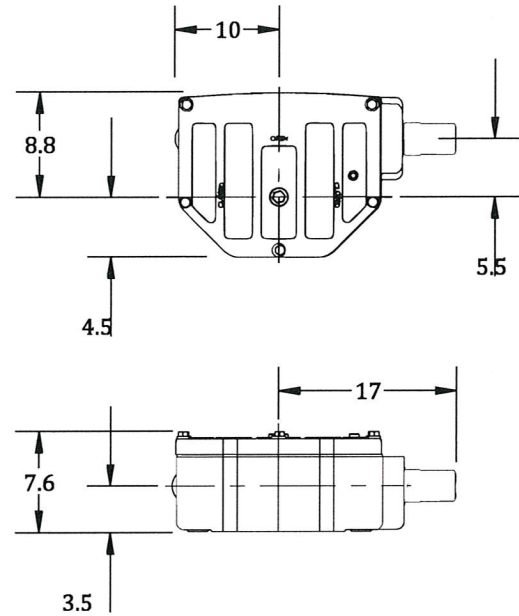
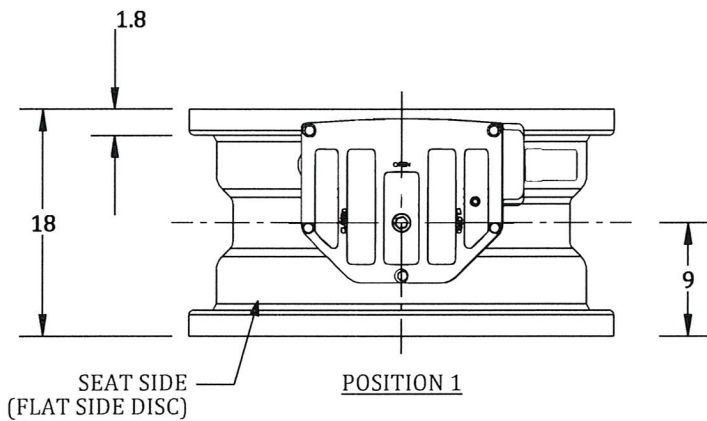
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

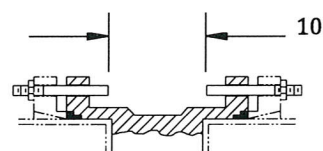
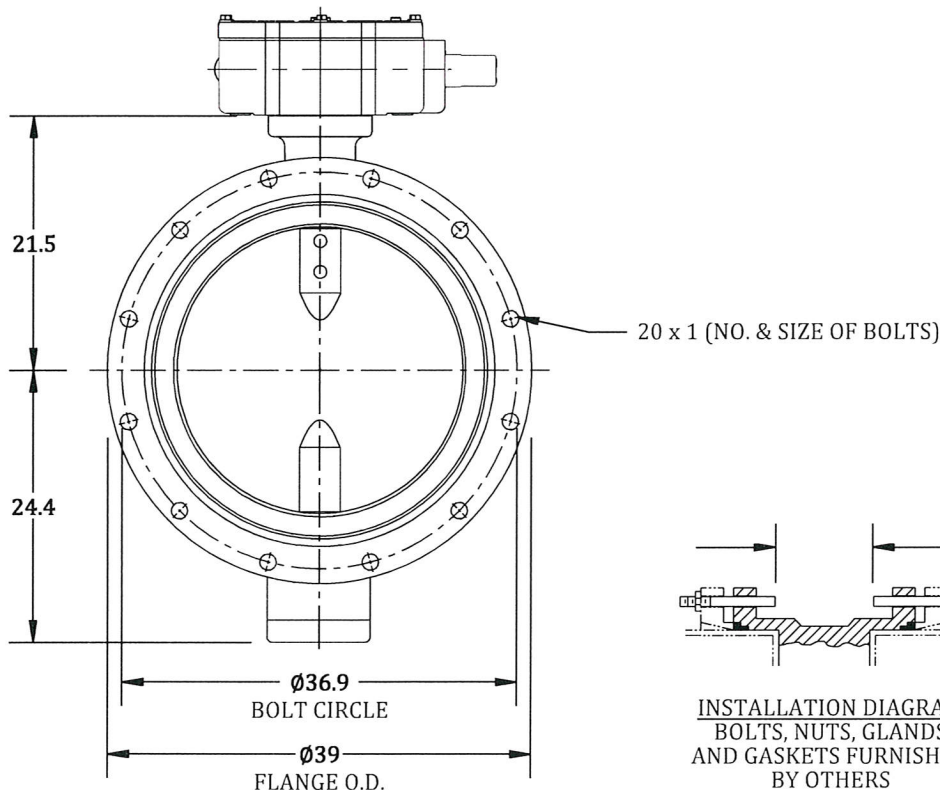
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

30" 150B MJ BFV
MDT-5, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A

DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23917

45 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

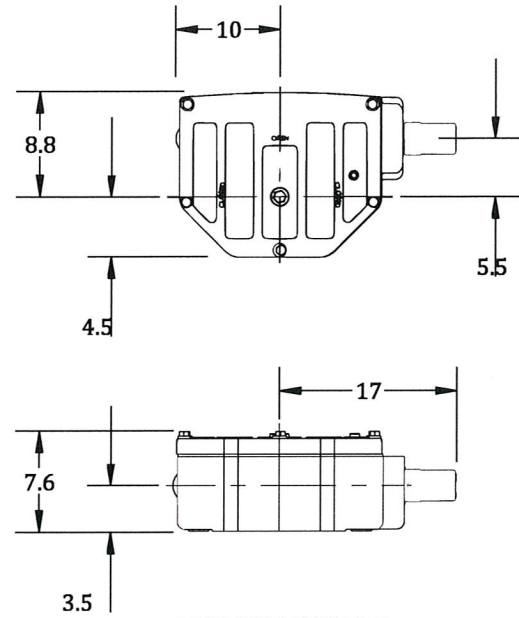
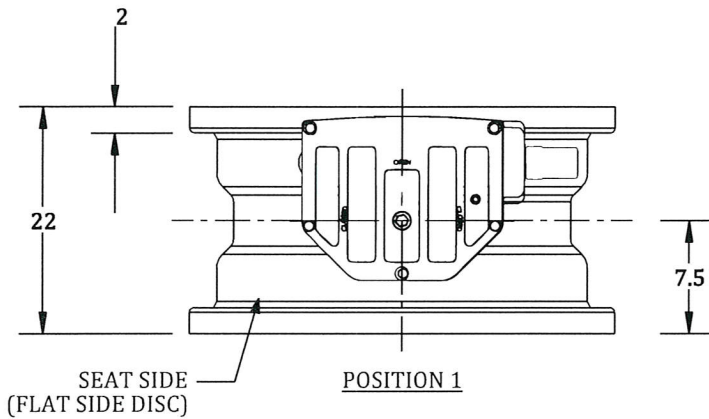
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

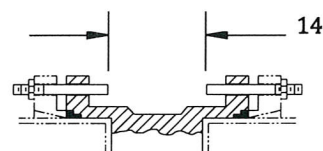
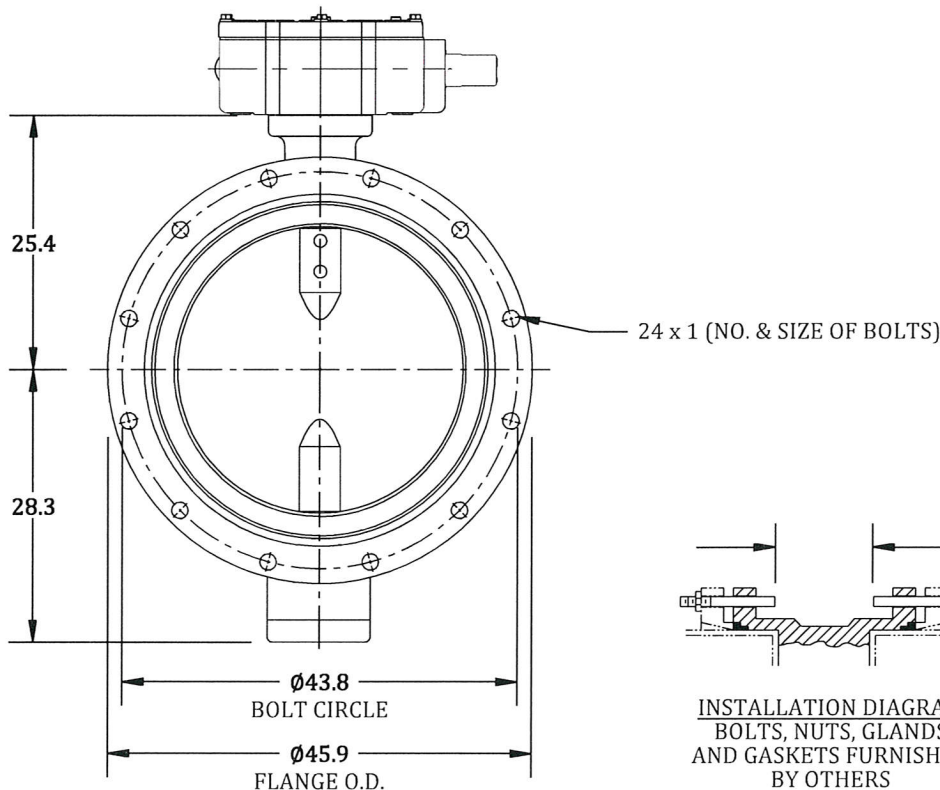
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

36" 150B MJ BFV
MDT-5, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A

DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23918

46 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

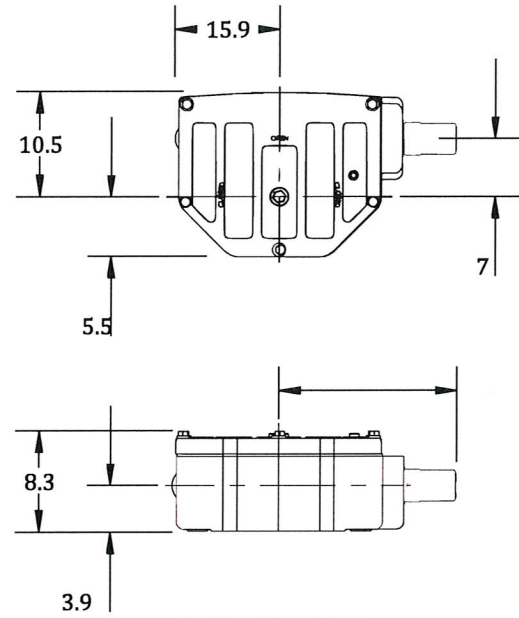
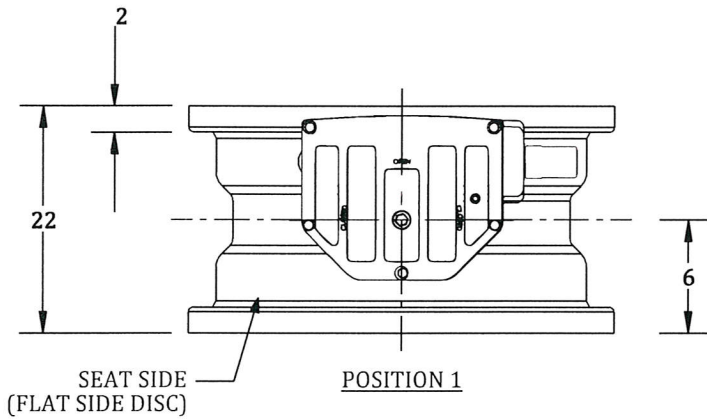
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

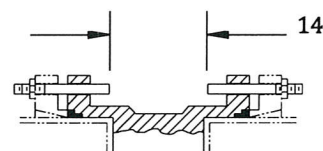
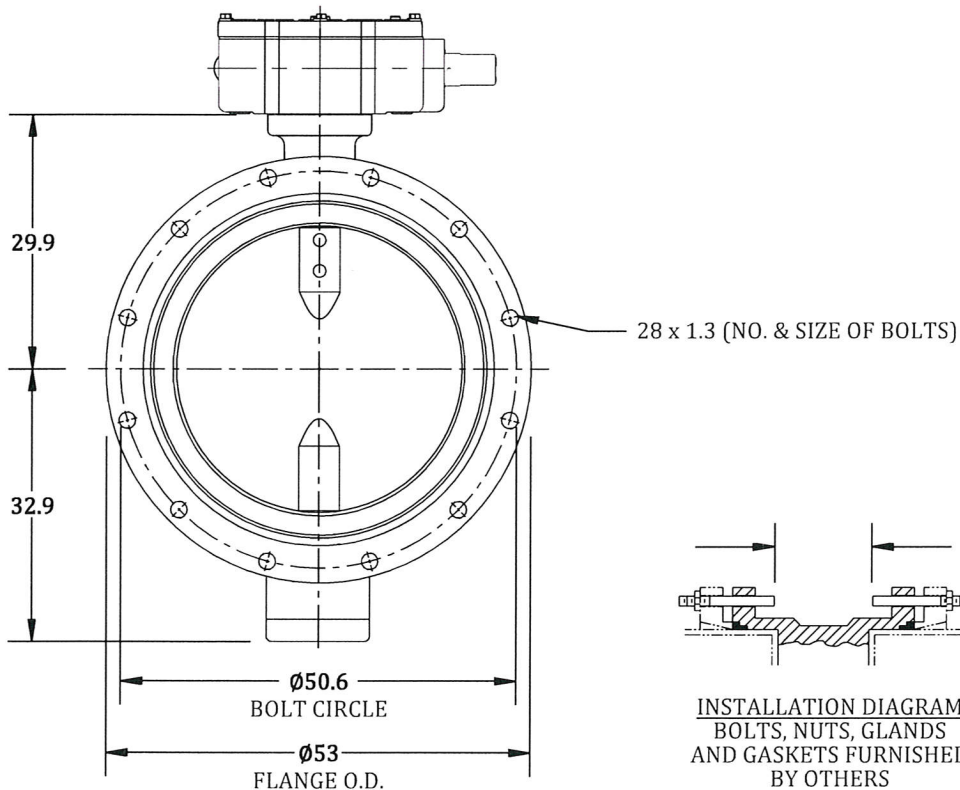
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

42" 150B MJ BFV
MDT-5S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23919 47 of 54

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504, LATEST REVISION, CLASS 150.
3. DIMENSIONS AND DRILLING OF MECHANICAL JOINT END CONFORM TO ANSI/AWWA C111/A21.11.

Purchase Order #:

Sales Order #:

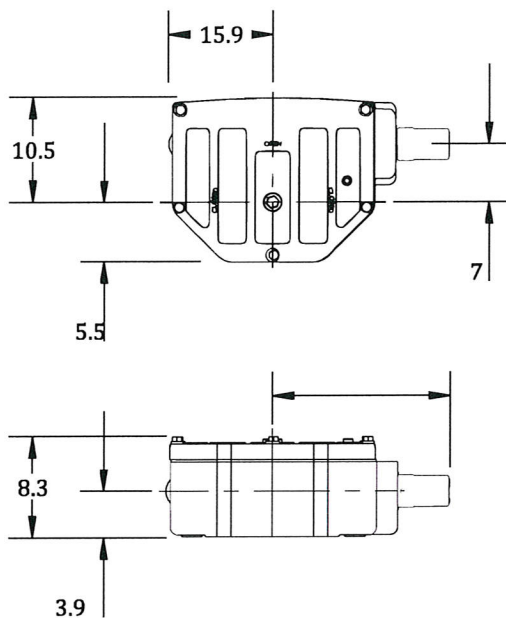
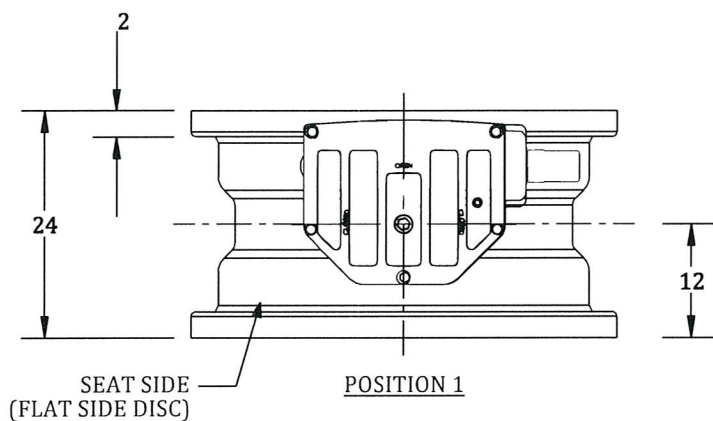
Proposal/Quote #: Q-017-17512

Project Name: Annual Bid #50-00120679

Project Location: Jefferson Parish, LA

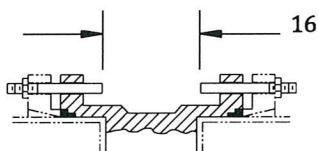
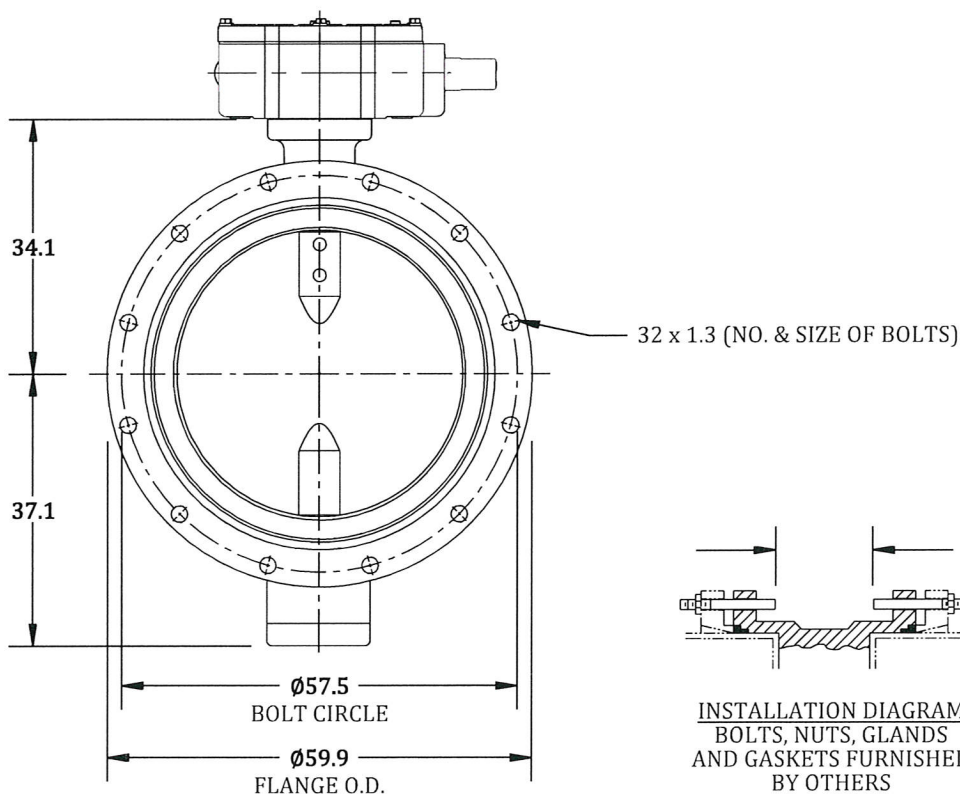
Date: September 25, 2017

Revision:



NOTES:

1. SHALL WITHSTAND AN INPUT TORQUE OF 450# AT EXTREME OPERATOR POSITION WITHOUT DAMAGE



INSTALLATION DIAGRAM
BOLTS, NUTS, GLANDS
AND GASKETS FURNISHED
BY OTHERS

Mueller Co.

48" 150B MJ BFV
MDT-5S, BUR. SERVICE NUT, OL
DIRECT MOUNT

SCALE: N/A DATE: 8/30/2016

BY: POLITO

REV: 1

A C-015-23920

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401 S. HIGHLAND AVENUE, AURORA, IL 60506
TEL: (630) 844-4000 FAX: (630) 844-4160

Purchase Order #:
Sales Order #:
Proposal/Quote #: Q-017-17512
Project Name: Annual Bid #50-00120679
Project Location: Jefferson Parish, LA
Date: September 25, 2017
Revision:

PAINT DATA

PAINT SYSTEM SUMMARY

SYSTEM PART NO.	A069636A	A069636B	A069636C	A069636D	A069636E
PART NO.	2308405	2308406	2308407		
ALTERNATE SYSTEM	NO	NO	NO	NO	NO
MULTIPLE COLOR SYSTEM	NO	NO	NO	NO	NO
MANUFACTURER	PPG PROTECTIVE & MARINE COATINGS	PPG PROTECTIVE & MARINE COATINGS	PPG PROTECTIVE & MARINE COATINGS	PPG PROTECTIVE & MARINE COATINGS	PPG PROTECTIVE & MARINE COATINGS
MANUFACTURER'S DESIGNATION	AMERCOAT 370	AMERCOAT 370	AMERCOAT 370	AMERCOAT 370	AMERCOAT 370
USE CATEGORY	ALL	ALL	ALL	ALL	ALL
SUBMERSIBLE ⁴	YES	YES	YES	YES	YES
MIN. TOTAL DRY MIL THICKNESS	SEE NOTE 1	SEE NOTE 1	SEE NOTE 1	SEE NOTES 1 AND 2	SEE NOTE 1
MAXIMUM TOTAL DRY MIL THICKNESS	24	24	24	24	24
NSF/UL RECOAT TIME	1 HOUR @ 70° F	1 HOUR @ 70° F	1 HOUR @ 70° F	1 HOUR @ 70° F	1 HOUR @ 70° F
NSF/UL CURING TIME	7 DAYS @ 70° F	7 DAYS @ 70° F	7 DAYS @ 70° F	7 DAYS @ 70° F	7 DAYS @ 70° F
SURFACE PREPARATION	SSPC-SP10	SSPC-SP10	SSPC-SP10	SSPC-SP10	SSPC-SP5
COLOR (IF SPECIFIED)	OXIDE RED	WHITE	PEARL GRAY	WHITE	OXIDE RED
CLASS I INSPECTION	NO	NO	NO	NO	NO
MAT'L CATEGORY	PE	PE	PE	PE	PE
MIN. TOTAL DRY MIL THICKNESS	8	8	8	8	8
THEORETICAL COVERAGE SQ FT / GAL / MIL	1011	1011	1011	1011	1011
OTHER	VOC 2.50-3.0 LBS/GAL ANSI/NSF STD 61 VOS 63% +/- 3% TEMPERATURE RESIDENCE 250°F DRY CONTINUOUS	VOC 2.50-3.0 LBS/GAL ANSI/NSF STD 61 VOS 63% +/- 3% TEMPERATURE RESIDENCE 250°F DRY CONTINUOUS	VOC 2.50-3.0 LBS/GAL ANSI/NSF STD 61 VOS 63% +/- 3% TEMPERATURE RESIDENCE 250°F DRY CONTINUOUS	VOC 2.50-3.0 LBS/GAL ANSI/NSF STD 61 VOS 63% +/- 3% TEMPERATURE RESIDENCE 250°F DRY CONTINUOUS	VOC 2.50-3.0 LBS/GAL ANSI/NSF STD 61 VOS 63% +/- 3% TEMPERATURE RESIDENCE 250°F DRY CONTINUOUS
AWWA C-550 NSF 61 USDA NFPA CLASS 1 TEMP: 200°F	NSF – YES	NSF – YES	NSF – NO	NSF – YES	NSF - YES

NOTES:

- 1) MINIMUM THICKNESS SHALL BE PER THE SHOP ORDER JDE SCREEN AND GENERAL ARRANGEMENT DRAWING WHICH MUST INDICATE THE SAME MINIMUM NUMBER OF MILS.
- 2) FOR MULTIPLE COLOR SYSTEMS, FIRST COLOR LISTED SHALL BE APPLIED FIRST TO A THICKNESS OF 1/2 THE TOTAL REQUIRED MIL THICKNESS, FOLLOWED BY THE SECOND COLOR MAKING UP THE SECOND 1/2 OF REQUIRED MIL THICKNESS.
- 3) AWWA C-550 APPROVED.
- 4) NSF-61 APPROVED VALVES ARE NOT TO BE USED SUBMERGED IN POTABLE WATER SYSTEMS.
- 5) MAY BE THINNED WITH THINNER #65 UP TO 12% BY VOLUME.
- 6) FOR NSF61 APPLICATIONS, ONLY 4" AND LARGE VALVES ARE ALLOWED.

PPG AMERCOAT 370 (FACTORY ACCELERATED)				MATERIAL SPECIFICATIONS								PART NO.	A-69636
				<div>3</div>	4/9/08	SD	SS	<div>6</div>	02/12/14	RCB	ES		
				<div>2</div>	7/1/05	SD	SS	<div>5</div>	3/23/11 Dry Mil Thickness to 8	Tim Fallon	RCB		
				<div>1</div>	10/29/03	SJR	SS	<div>4</div>	3/11/10 Per ECO 1502150	RCB	JHW		
DRAWN	SD	CHKD BY	SS	REV	DATE	BY	APP	REV	DATE	BY	APP		
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Amercoat® 370

370 Series

Fast-dry multi-purpose epoxy

Product Data/ Application Instructions

- High performance, corrosion resistance
- Fast drying, fast curing epoxy composition
- Application over wide range of surface temperatures from 20°F (-7°C) to 120°F (60°C)
- Self-priming, high-build coating
- Primer for wide range of topcoats
- Excellent shop primer for corrosion resistance
- Compatible with inorganic zinc silicate primers
- No lead pigments added
- VOC compliant
- Suitable for immersion in fresh and salt water
- Compatible with compromised surface preparation

Amercoat 370 forms an excellent corrosion barrier and is suitable for most industrial and marine new construction, repair, and field maintenance applications.

The fast curing properties of Amercoat 370 make it especially beneficial as a shop-applied coating where fast-drying and handling of coated parts are required.

Amercoat 370 is user-friendly and can be applied by a variety of spray application methods.

Typical Uses

Tank exteriors, structural steel, and piping in chemical plants, refineries, pulp and paper mills, offshore platforms, ship hulls, ballast tank service, anticorrosive under antifoulings and other structures exposed to severe weathering or salt spray.

Typical Properties

Physical

Abrasion (ASTM D4060) 1 kg load/1000 cycles CS-17 wheel 250 mg weight loss

Adhesion, Elcometer (ASTM D4541) >1000 psi

Performance

Salt spray – 1 coat @ 6 mils 3000 hours exposure

face corrosion (ASTM B117) None

face blistering (ASTM B117) None

Humidity (condensation) (ASTM D4585)

3000 hours exposure

face corrosion None

Steam cleanable Yes

Chemical resistance – Condition after 1 year immersion

salt water Excellent

fresh water Excellent

Qualifications

AWWA C550

NSF Standard 61* - For use in drinking water.

*For NSF application information, please visit our website at www.amercoatcoatings.com/nsf



Physical Data

Finish	Flat
Color	Pearl gray, light buff, white, oxide red
Components	2
Curing mechanism	Solvent release and chemical reaction between components
Volume solids (ISO 3233)	66% ± 3%
Dry film thickness per coat	4-6 mils (100 - 150 microns)
Coats	1 or 2
Coverage	ft ² /gal m ² /L
1 mil (25 microns)	1059 25.4
5 mils (125 microns)	212 5.1
VOC	lb/gal g/L
mixed	2.5 300
mixed/thinned (½ pt/gal)	2.8 335
mixed/thinned (1 pt/gal)	3.0 359
Temperature limit	°F °C
continuous (dry)	200 93
intermittent (dry)	250 121
Flash point (SETA)	°F °C
cure	82 28
resin	82 28
Amercoat 65	81 27
Amercoat 12	2 -17
Amercoat 101	145 63

Application Data

Applied over	Primed or prepared steel
Surface preparation	
new steel	SSP-SP6
primed steel	See specific primer
previously painted or pitted steel	SSPC-SP10
Primer	Dimetecote®
Method	Airless or conventional spray
Mixing ratio (by volume)	4 parts resin to 1 part cure
Environmental conditions	
Temperature	°F °C
air and surface	20 to 120 -7 to 49
material (minimum)	40 4
Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.	
Thinner	
below 60°F	Amercoat 65
over Dimetecote or above 60°F	Amercoat 101
Equipment cleaner	Thinner or Amercoat 12

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Amercoat 370 Chemical Resistance Guide

Environment	Splash and Spillage	Fumes and Weather
Acidic	F	G
Alkaline	E	E
Solvents	E	E
Salt solutions		
Acidic	G	VG
Neutral	E	E
Alkaline	E	E
Water	E	E
F-Fair	G-Good	E-Excellent
		VG-Very Good

This chart shows typical resistance of Amercoat 370. Contact your PPG representative for your specific requirements.

Systems Using Amercoat 370

1st Coat	2nd Coat	3rd Coat
Amercoat 370	—	—
Amercoat 370	Amershield™	—
Amercoat 370	450H	—
Dimetecote 9 Series, 21-5	370	Amershield, 450H
Amercoat 68HS	370	Amershield, 450H
Amercoat 370	370	ABC 3, ABC 4

Confirm compliance with VOC regulations before using coating systems. For immersion service, apply 2 coats at a minimum of 8 mils total DFT.

Over Dimetecote or Amercoat 68HS primer, a mist coat and thinning with Amercoat 101 may be required to prevent application bubbling.

Surface Preparation

Coating performance is, in general, proportional to the degree of surface preparation. Surface must be clean, dry, undamaged and free of all contaminants prior to coating.

Welds should be continuous with no overlapping steel surfaces or rough edges. Remove all weld spatter.

Steel, non-immersion – Remove all loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required: SSPC-SP2, 3, 6, 7 or 11. UHP waterjetting per SSPC-SP-12 WJ2 is also acceptable.

Steel, immersion – For more severe service and immersion, clean to SSPC-SP10. The choice of surface preparation will depend on the system selected and end-use service conditions.

Blast to achieve a surface profile not to exceed 3 mils (75 microns) as indicated by a Keane-Tator Surface Profile Comparator Testex Tape. Increase coating thickness if profile greater than 3 mils.

Primed steel – Prepare surface in accordance with application instructions for the specific primer being used. Be sure primer is clean and dry when Amercoat 370 is applied. Remove all loose rust, dirt, moisture, grease or contaminants.

Repair – Prepare damaged areas to original surface preparation specifications, feathering edges of intact coating. Thoroughly remove dust or abrasive residue before touch up.

Application Equipment

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure, hose and tip size may be needed for proper spray characteristics.

Airless spray – Standard equipment such as Graco Bulldog Hydra-Spray or larger with a 0.015- to 0.021-inch (0.38 mm to 0.53 mm) fluid tip.

Conventional spray – Industrial equipment, such as DeVilbiss, MBC or JGA gun with 78 or 765 air can and "E" fluid tip, or Binks No. 18 or 62 gun with a 66x63PB nozzle set up. Separate air and fluid pressure regulators, mechanical pot agitator, and a moisture and oil trap in the main air supply line are recommended.

Environmental Conditions

Temperature	°F	°C
air and surface	20 to 120	-7 to 49
material	40	4

Surface temperatures must be at least 5°F (3°C) above dew point to prevent condensation.

Application Procedure

Amercoat 370 is packaged in two components in the proper proportions which must be mixed together before use.

1. Flush equipment with thinner or Amercoat 12 before use.
2. Stir each component thoroughly, then combine and mix until uniform.
3. For general use, if thinning is necessary for workability, add Amercoat 65 below 60°F or Amercoat 101 at 60°F and above. Thin in quantities up to 1 pint per gallon of Amercoat 370. For potable water tanklining applications, see current NSF listing at www.nsf.org for approved thinner and thinning restrictions.
4. Do not mix more material than will be used within 4 hours at 70°F (21°C). Pot life is shortened by higher temperatures. Thinning may be necessary for workability periodically throughout pot life.

Pot Life and Dry Times

Temperature (°F/°C)	Pot-Life (Hours)	Touch Dry (Min.)	Through Dry (Hours)	Recoat (Hours)
20/-7	—	90	20	2½
32/0	—	60	9	2
40/4	7	45	7	2
50/10	6	30	4½	1½
60/16	5	22	2¾	1
70/21	4	15	1½	¾
80/27	3	12	1¼	¾
90/32	2	10	1	¾

Topcoat or recoat time (days) (maximum)

	°F/°C	90/32	70/21	50/10	20/-7
Amercoat 450H, Amershield™		14	30	45	60
Amercoat 370					
non-immersion		6 months – Clean surface required (clean and roughen if exceeded)			
immersion		1 month – Clean surface			
ABC 3, ABC 4		Apply while 370 is soft to thumb pressure*			

* Failure to apply antifouling while coating is still soft to thumb pressure may result in poor adhesion and eventual delamination.

Drying times are dependent on air and surface temperatures as well as film thickness, ventilation and relative humidity. Maximum recoat time is highly dependent upon actual surface temperatures - not simply ambient air temperatures. Surface temperatures should be monitored, especially with sun-exposed or otherwise heated surfaces. Higher surface temperatures shorten the maximum recoat window.

If maximum topcoat time is exceeded, either clean and roughen the Amercoat 370 surface or clean and apply a tack coat of Amercoat 370 before topcoating with Amercoat 450H, Amershield or antifouling.

Time before service @ 8 mils (hours)	°F/°C	90/32	70/21	50/10	32/0	20/-7
Amercoat 370		6	12	24	96	120
non-immersion**		6	12	24	96	120
immersion		12	24	48	168	NR

NR=Not recommended

**Cure to full physical properties.

5. When applying by conventional spray, use adequate air pressure and volume to ensure proper atomization.
6. When applying over inorganic zinc or zinc rich primers, a "mist coat" 1-1½ mils wet/film coat technique may be required to minimize bubbling. This will depend on the age of the Dimetecote, surface roughness and conditions during curing. When applying Amercoat 370 over Dimetecote at 60°F and above, use Amercoat 101 thinner up to 1 pint per gallon. For potable water tanks, use only Amercoat 65 thinner.
7. Normal recommended dry film thickness is 5 mils (125 microns). Total dry film thickness must not exceed 15 mils (375 microns).

MATERIAL SPECIFICATIONS											
PPG AMERCOAT 370 (FACTORY ACCELERATED)				3	4/9/08	SD	SS	6	02/12/14	RCB	ES
				2	7/1/05	SD	SS	5	3/23/11 Dry Mil Thickness to 8	Tim Fallon	RCB
				1	10/29/03	SJR	SS	4	3/11/10 Per ECO 1502150	RCB	JHW
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8. The application of a wet film thickness of 7 to 8 mils (175 to 200 microns) will normally provide 5 mils (125 microns) of dry film.
9. Clean all equipment with thinner or Amerecoat 12 immediately after use.

Safety Precautions

Read each component's material safety data sheet before use. Mixed material has hazards of each component. Safety precautions must be strictly followed during storage, handling and use.

CAUTION – Improper use and handling of this product can be hazardous to health and cause fire or explosion.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep spray mists and vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. PPG makes no recommendation about the types of safety measures that may need to be adopted because these depend on application environment and space, of which PPG is unaware and over which it has no control.

If you do not fully understand these warnings and instructions or if you cannot strictly comply with them, do not use the product.

Note: Consult Code of Federal Regulations Title 29, Labor, parts 1910 and 1915 concerning occupational safety and health standards and regulations, as well as any other applicable federal, state and local regulations on safe practices in coating operations.

This product is for professional use only. Not for residential use.

Shipping Data

Packaging units	1 gal	5 gal
cure	0.2 gal in 1-qt can	1 gal in 1-gal can
resin	0.8 gal in 1-gal can	4 gal in 5-gal can

Shipping weight (approx) lb kg

1-gal unit		
cure	1.9	0.9
resin	14.2	6.5
5-gal can		
cure	8.6	3.9
resin	70.4	32

Shelf life when stored indoors at 40 to 100 F (4 to 38° C)

cure and resin 1 year from shipment date

Numerical values are subject to normal manufacturing tolerances, colors and testing variances. Allow for application losses and surface irregularities. This product is photochemically reactive as defined by the South Coast Air Quality Management District's Rule 102 or equivalent regulations.

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A2361 RESILIENT WEDGE GATE VALVES, 350psi



1. GENERAL CLASSIFICATION

- 1.1 Mueller® Resilient Wedge Gate Valves comply with ANSI/AWWA C515.
- 1.2 Mueller Resilient Wedge Gate Valves are approved by Factory Mutual Research Corporation (FM).
- 1.3 Mueller Resilient Wedge Gate Valves are listed by Underwriters Laboratories, Inc. (UL). Valves with actuators are not listed.
- 1.4 Mueller Resilient Wedge Gate Valves are tested and certified to ANSI/NSF Standard 61 & 372.
- 1.5 Mueller Resilient Wedge Gate Valves are suitable for potable water applications.
- 1.6 Mueller Resilient Wedge Gate Valves are iron body, fully encapsulated resilient wedge type.
- 1.7 Mueller Resilient Wedge Gate Valves are manufactured in the U.S.A. at an ISO9001 Certified factory.

2. SIZE RANGE, WORKING TEMPERATURE, AND WORKING PRESSURE

- 2.1 **Sizes:** 3" to 12".
- 2.2 **Working Temperature:** 33°F minimum to 125°F maximum working temperature.
- 2.3 **Working Pressure:** 350psi for AWWA, UL and FM.

3. TYPE OF VALVE

- 3.1 Resilient Wedge Gate Valves are non-rising stem type.
- 3.2 NRS Resilient Wedge Gate Valves feature O-ring stem seals.
- 3.3 Resilient Wedge Gate Valves are available to either open left or open right.
- 3.4 Resilient Wedge Gate Valves have a 2" square wrench nut complying with AWWA C515. Optional hand wheels are available.
- 3.5 **Resilient Wedge Gate Valves are offered with the following end connections:**
 - 3.5.1 **Flanged Ends** with flange drilling complying to ASME B16.1 Class 125 (ISO PN10/PN16 drilling optional). Per ANSI/AWWA C111, working pressure above 250psi requires the use of a special gasket rated for the higher pressure.
 - 3.5.2 **Mechanical Joint Ends** complying with ANSI/AWWA C111/A21.11.
- 3.6 **Resilient Wedge Tapping valves are offered with the following end connections:**
 - 3.6.1 Inlet flange machined specifically for mating with Tapping Sleeves and Crosses. Raised ring on flange face complies with MSS SP-60. Drilling complies with ASME B16.1 Class 125 flange.
 - 3.6.2 Standard Mechanical Joint outlet connection complies with ANSI/AWWA C111/A21.11 and is precision machined for proper alignment of Mueller® Drilling Machines.

A2361 RESILIENT WEDGE GATE VALVES, 350psi



4. MATERIAL SPECIFICATIONS

- 4.1 **Cap screw** – Stainless Steel Type 316.
- 4.2 **Wrench nut** – Ductile Iron, ASTM A-536.
- 4.3 **Handwheel** – Cast Iron, ASTM A-126, Class B.
- 4.4 **Stuffing box** – Ductile Iron, ASTM A-536.
- 4.5 **Stem O-rings** – Nitrile, ASTM D2000.
- 4.6 **Anti-friction washers** – Acetal.
- 4.7 **Stem** – Manganese Bronze, CDA Alloy C67600.
- 4.8 **Bonnet** – Ductile Iron, ASTM A-536.
- 4.9 **Bonnet seal** – O-ring, Nitrile, ASTM D2000.
- 4.10 **Stuffing box bolts & nuts** – Stainless Steel Type 316.
- 4.11 **Bonnet bolts & nuts** – Stainless Steel Type 316.
- 4.12 **Disc nut** – Bronze, ASTM B-584 Alloy C89833.
- 4.13 **Guide cap bearings** – Acetal.
- 4.14 **Disc** – 3" Cast Iron, ASTM A-126, Class B
4"-12" Ductile Iron, ASTM A-536.
- 4.15 **Disc encapsulated** – SBR ASTM D2000.
- 4.16 **Body** – Ductile Iron, ASTM A-536.
- 4.17 **Coating** – inside and outside of valve fully coated Mueller PRO-GARD® Fusion Bonded Epoxy - coating complies with ANSI/AWWA C550 and valve is certified to ANSI/NSF Standard 61 & 372.

5. DESIGN FEATURES

- 5.1 **Flow way** – fully unobstructed, oversized flow-way. The sealing mechanism is withdrawn from the flow-way in a full open position. No pockets in bottom of flow-way to trap sediment or debris. The flow-way will permit passage of full-sized shell cutters.
- 5.2 **Bronze Disc Nut** – on all valves.
- 5.3 **Anti-Friction Washers** on non-rising stem valves – located above and below the thrust collar portion of the stem to reduce friction and provide more effective conversion of operating torques into seating loads.
- 5.4 **Stem** for non-rising stem valves, with O-ring Seals – One O-ring is located below the thrust collar of the stem and two are located above the thrust collar, the upper most serving as a dirt seal. The O-rings and thrust collar are factory lubricated. The two primary O-rings seal the thrust collar area from outside contaminants and water, and retain an ample amount of lubricant on the thrust collar and anti-friction washers to reduce operating torque and wear.
- 5.5 **Stem** – The threads on the bronze stem are Acme form threads for strength and efficiency. The stem thrust collar is made integral with the stem -- and is formed by a heat upset operation.
- 5.6 **Upper Stem O-ring Replacement** – The two O-rings above the thrust collar of all Mueller Resilient Wedge Gate Valves can be replaced with the valve in the fully open position, under

PRODUCT SPECIFICATIONS

A2361 RESILIENT WEDGE GATE VALVES, 350psi



pressure, with no leakage.

- 5.7 Corrosion Resistance** – all inside and outside cast iron surfaces are coated with Mueller PRO-GARD® Epoxy Coating, 10 mils nominal. Mueller PRO-GARD® Epoxy Coating is non-toxic and imparts no taste to water. Valves comply with ANSI/AWWA C550 and are certified to ANSI/NSF Standard 61 & 372.

6. OPTIONAL FEATURES

- 6.1** Mueller A-2361 350psi Resilient Wedge Gate Valves can be furnished with the following optional designs or features:
- 6.1.1 Gearing** – Bevel and Spur gearing available. Bevel geared valves are for horizontal installations; spur geared for vertical. Geared valves provide an additional bearing to support the extreme end of the stem.
 - 6.1.2 Position indicator** – Available for NRS valves 3" and larger.
 - 6.1.3 Stem** – Silicon bronze - ASTM B98 C66100; 304 Stainless Steel or 316 Stainless Steel.
 - 6.1.4 Disc encapsulation and O-rings** – EPDM ASTM D2000.

7. TEST PRESSURE

- 7.1** The pressure test on each Mueller Resilient Wedge Gate Valve meets the requirements of AWWA Standard C515 for Resilient Seated Valves.
- 7.1.1** Each Mueller Resilient Wedge Gate Valve is subjected to two pressure tests. The seat test is at the working pressure of AWWA valves and 1-1/2 times working pressure of UL Listed valves. Shell tests are at two times the working pressure.
 - 7.1.2** Pressure tests at the working pressure shall show NO leakage past the seat from either side of the wedge or at the flange joints. Pressure tests at twice the working pressure shall show NO leakage through the metal or flange joints.
 - 7.1.3** Test pressures are as follows: 525psi seat test, 700psi shell test.



Water (U.S.) 1.800.423.1323
www.muellercompany.com
moreinfo@muellercompany.com

Mueller Canada 1.705.719.9965
www.muellercanada.com
more-info@muellercanada.com

International 1.423.490.9555
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2361 SERIES RESILIENT WEDGE GATE VALVES



1. GENERAL CLASSIFICATION

- 1.1 Mueller® Resilient Wedge Gate Valves comply with ANSI/AWWA C515 where applicable.
- 1.2 Mueller Resilient Wedge Gate Valves 14" thru 24" are approved by Factory Mutual Research Corporation (FM) and are listed by Underwriters Laboratories, Inc. (UL). Valves with actuators are not listed.
- 1.3 Mueller Resilient Wedge Gate Valves are tested and certified to ANSI/NSF Standard 61 & 372.
- 1.4 Mueller Resilient Wedge Gate Valves are suitable for potable water applications.
- 1.5 Mueller Resilient Wedge Gate Valves are iron body, fully encapsulated resilient wedge type.
- 1.6 Mueller Resilient Wedge Gate Valves are manufactured in the U.S.A. at an ISO9001 Certified factory.

2. SIZE RANGE, WORKING TEMPERATURE & WORKING PRESSURE

- 2.1 **Sizes:** 14" – 54"
- 2.2 **Working Temperature:** 33° F minimum to 125° F maximum.
- 2.3 **Working Pressure**
 - 2.3.1 14" thru 54" valves - 250 psi for AWWA.
 - 2.3.2 14" thru 16" valves - 250 psi for UL/FM.
 - 2.3.3 18" thru 24" valves - 175 psi for UL, 250 psi for FM

3. TYPE OF VALVE

- 3.1 Mueller Resilient Wedge Gate Valves are non-rising stem or post indicator type (PIV – 14" thru 30").
- 3.2 Mueller NRS Resilient Wedge Gate Valves are offered with O-ring stem seals.
- 3.3 Mueller Resilient Wedge Gate Valves are offered to either open left or open right.
- 3.4 Mueller Resilient Wedge Gate Valves with a 2" square wrench nut complying with AWWA C515. Optional hand wheels are available.
- 3.5 Mueller Resilient Wedge Gate Valves of the non-rising stem type and post indicator type are offered with the following end connections:
 - 3.5.1 Flanged Ends with flange drilling complying to ANSI B16.1 Class 125 (ISO PN10/PN16 drilling optional).
 - 3.5.2 Standard Mechanical Joint Ends (14" thru 48") for cast iron pipe or ductile iron pipe with end dimensions complying with ANSI/AWWA C111/A21.11.
 - 3.5.3 Slip-On Joint Ends* (14" thru 16") complete with Mueller Slip-On Gasket, complying with ANSI/AWWA C111/A21.11. Fits plain end of classes 150, 200 and 250 cast iron; ductile iron and classes 150 and 200 cast iron O.D. PVC**.

**Design and dimensions of the joint are manufactured under license of U.S. Pipe and Foundry Company.
**When using DI O.D. PVC pipe, the gaskets supplied by Mueller Co. must be used with this valve connection.*

- 3.6 Mueller Resilient Wedge Tapping valves (14" thru 48") have an inlet flange complying with ANSI B16.1 Class 125, and are offered with a Standard Mechanical Joint outlet end with dimensions complying with ANSI/AWWA C111/A2.11.

2361 SERIES RESILIENT WEDGE GATE VALVES

4. MATERIAL SPECIFICATIONS

- 4.1 **Cap screw** - Steel, SAE J429 Grade 2 Zinc Plated.
- 4.2 **Wrench nut** - Cast Iron, ASTM A-126, Class B.
- 4.3 **Handwheel** - Cast Iron, ASTM A-126, Class B.
- 4.4 **Stuffing box**
 - 4.4.1 14" thru 24" sizes - Ductile Iron, ASTM A-536.
 - 4.4.2 30" thru 54" sizes - Hot Rolled Steel, ASTM A36.
- 4.5 **Stem O-rings**
 - 4.5.1 14" thru 16" Nitrile, ASTM 2000.
 - 4.5.2 18" thru 54" EPDM ASTM 2000
- 4.6 **Anti-friction washers** - Acetal Copolymer.
- 4.7 **Stem**
 - 4.7.1 14" thru 16" sizes - Manganese Bronze, CDA Alloy C67600.
 - 4.7.2 18" thru 54" sizes - Bronze, ASTM B-584, Alloy C86400.
- 4.8 **Bonnet** - Ductile Iron, ASTM A-536.
- 4.9 **Bonnet seal**
 - 4.9.1 4" thru 16" sizes - O-ring, Nitrile, ASTM D2000.
 - 4.9.2 18" thru 54" sizes - O-ring, EPDM, ASTM D2000.
- 4.10 **Stuffing box bolts & nuts** - Type 316 Stainless Steel ASTM F593 (bolt), ASTM F594 (nut).
- 4.11 **Bonnet bolts & nuts** - Type 316 Stainless Steel ASTM F593 (bolt), ASTM F594 (nut).
- 4.12 **Disc nut** - Bronze, ASTM B62 CDA 83600.
- 4.13 **Guide cap bearings** - Acetal Copolymer.
- 4.14 **Disc** - Ductile Iron, ASTM A-536.
- 4.15 **Disc encapsulated**
 - 4.15.1 14" thru 16" sizes - SBR ASTM D2000.
 - 4.15.2 18" thru 54" sizes - EPDM, ASTM D2000.
- 4.16 **Body** - Ductile Iron, ASTM A-536.
- 4.17 **Coating** - Inside and outside of valve fully coated - coating complies with ANSI/AWWA C550 and is certified to ANSI/NSF Standard 61 & 372.
 - 4.17.1 14" thru 36" sizes - Mueller PRO-GARD[®] Fusion Bonded Epoxy.
 - 4.17.2 42" thru 54" sizes - Mueller HP Epoxy.

2361 SERIES RESILIENT WEDGE GATE VALVES



5. DESIGN FEATURES

- 5.1 **14" thru 48" sizes** - fully unobstructed, oversized (except 16" which is same size) flow way. The sealing mechanism is withdrawn from the flow way in a full open position. No pockets in bottom of flow way to trap sediment or debris. The flow way will permit passage of full-sized shell cutters (except 16" which requires undersized cutter). 54" valves will use a 48" full-sized shell cutter.
- 5.2 **Bronze Disc Nut** - all valves.
- 5.3 **Anti-Friction Washers on non-rising stem valves** – Are located above and below the thrust collar portion of the stem to reduce friction and provide more effective conversion of operating torques into seating loads.
- 5.4 **Stem for non-rising stem valves, with O-ring Seals** – One O-ring is located below the thrust collar of the stem and two are located above the thrust collar. The O-rings and thrust collar are factory lubricated. The two primary O-rings seal the thrust collar area from outside contaminants and water, and retain an ample amount of lubricant on the thrust collar and anti-friction washers to reduce operating torque and wear.
- 5.5 **Stem** – The threads on the bronze stem are Acme form threads for strength and efficiency. The stem thrust collar is made integral with the stem -- and is formed by a heat upset operation for valves 14" thru 16" in size; cast in place for 18" and larger valves.
- 5.6 **Upper Stem O-ring Replacement** – The two O-rings above the thrust collar of all Mueller Resilient Wedge Gate Valves can be replaced with the valve in the fully open position, under pressure, with no leakage.
- 5.7 **Corrosion Resistant** – 14" thru 36" sizes - all inside and outside cast iron surfaces are coated with Mueller PRO-GARD® Epoxy Coating, 10 mils nominal. Mueller PRO-GARD® Epoxy Coating is non-toxic and imparts no taste to water. 42" thru 54" sizes - all inside and outside cast iron surfaces coated with Mueller HP Epoxy Coating. Both coatings comply with ANSI/AWWA C550 and valves are certified to ANSI/NSF Standard 61 & 372.

6. OPTIONAL FEATURES

- 6.1 Mueller 2361 Series Resilient Wedge Gate Valves can be furnished with the following optional designs or features:
 - 6.1.1 **Gearing** – Bevel and Spur gearing available on valves. Valves 30" and larger gearing is required. Bevel geared valves are for horizontal installations; spur geared for vertical. Geared valves provide an additional bearing to support the extreme end of the stem.
 - 6.1.2 **Bypass valve** – Valves 18" or larger. The bypass valves are non-rising stem Mueller® Series 2362 Resilient Wedge Valves. The bypass size and location comply with Section 24 of AWWA C500. For 16" valves, bypasses are available on flanged ends, mechanical joint ends and flange x mechanical joint ends only.
 - 6.1.3 **Position indicator.**
 - 6.1.4 **Bolts and nuts** – Stainless Steel, Type 316.
 - 6.1.5 **Stem** – Silicon bronze - Valves 14" thru 16" ASTM B98 C66100; 18" and larger ASTM B763 C99400 or C99500. 304 Stainless Steel or 316 Stainless Steel.
 - 6.1.6 **Disc encapsulation** – 14" thru 16" sizes – EPDM ASTM D2000.

PRODUCT SPECIFICATIONS

2361 SERIES RESILIENT WEDGE GATE VALVES



7. TEST PRESSURE

- 7.1 The pressure test on each Mueller Resilient Wedge Gate Valve meets the requirements of AWWA Standard C515 for Resilient Seated Valves.
 - 7.1.1 Each Mueller Resilient Wedge Gate Valve is subjected to two pressure tests. The seat test is at the working pressure of AWWA valves and 1-1/2 times working pressure of UL Listed valves. Shell tests are at two times the working pressure.
 - 7.1.2 Pressure tests at the working pressure shall show NO leakage past the seat from either side of the wedge or at the flange joints. Pressure tests at twice the working pressure shall show NO leakage through the metal or flange joints.
 - 7.1.3 Test pressures are as follows: 14" thru 16" – 375 psi seat test, 500 psi shell test; 18" thru 54" – 275 psi seat test, 500 psi shell test.



Water (U.S.) 1.800.423.1323
www.muellercompany.com
moreinfo@muellercompany.com

Mueller Canada 1.705.719.9965
www.muellercanada.com
more-info@muellercanada.com

International 1.423.490.9555
www.mueller-international.com
international@muellercompany.com

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CENTRALBIDDING

FROM CENTRAL AUCTION HOUSE

5000120679 - ONE (1) YEAR CONTRACT FOR A SUPPLY OF GATE AND BUTTERFLY VALVES FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS, ALL WATER DISTRICTS AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES

Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

13-Sep-2017 03:24:16 PM



Bid Number 50 - 00120679

ONE (1) YEAR CONTRACT FOR A SUPPLY OF GATE AND BUTTERFLY VALVES FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS, ALL WATER DISTRICTS AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES

BID DUE: September 28, 2017, 2:00 PM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer Name: Melissa Ovalle
Buyer Email: movalle@jeffparish.net
Buyer Phone: (504) 364-2687**



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

Other Changes Continued:

- For all advertised sealed bids, written evidence of signature authority must be included with bid submission.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must produce final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

Gate and Butterfly Valves Contract

Items included in this contract:

1. Resilient Seat Gate Valve (Mechanical Joint End)
2. Resilient Seat Gate Valve (Flanged Joint End)
3. Resilient Seat Gate Valve (Mechanical By Flange Joint End)
4. Butterfly Valve (Mechanical Joint End)
5. Butterfly Valve (Flange Joint End)
6. Double Disc Gate Valve (Flange)

Contract Terms:

A one (1) year contract for a supply of Gate and Butterfly Valves, for the Jefferson Parish Department of Public Works- all water districts and all Jefferson Parish agencies and municipalities.

Warranty:

Products shall be warranted that they are manufactured in accordance with the applicable material specifications and are free from defects in workmanship and materials for one year after delivery. Any defective items sold under this contract shall be replaced at no cost to the purchaser.

General Specifications:

This specification is prepared for the acquisition of gate valves (Items 0020, 0050, 0090, 0120, 0150, 0180 and 0210; Items 0240, 0270, 0300, 0330, 0360, 0390 and 0420; Items 0450, 0480, 0510, 0540, 0570, 0600, 0630 and 0880 thru 0950) and butterfly valves (Items 0640 thru 0755; Items 0760 thru 0875)

All pertinent technical specifications and literature must be included with bid submission. Failure to submit with bid submission will result in a bid rejection.

All items in this bid must be of domestic United States manufacture and meet all criteria set forth by AWWA, ASTM, ANSI, and federal and as specified hereafter.

Clarification of Terms:

Terms such as "Domestic United States of America Manufacture" and/or "Made in United States" shall mean that every components of these products or items are 100% made, manufactured, assembled, etc. in the United States of America.

The quantities shown on the proposal guide are approximate quantities to be acquired by Jefferson Parish over a one (1) year period. Actual usage will be on an "as needed" basis.

Bid delivery shall include all freight and delivery costs to Jefferson Parish warehouse locations on the East and West Banks of Jefferson Parish.

Technical Specifications:

1. Items 0020, 0050, 0090, 0120, 0150, 0180 and 0210 are resilient seat gate valves, mechanical joint, domestically produced, AWWA C515
2. Items 0240, 0270, 0300, 0330, 0360, 0390 and 0420 are resilient seat gate valves, flanged end, and domestically produced, AWWA C515.
3. Items 0450, 0480, 0510, 0540, 0570, 0600 and 0630 are resilient seat gate valves, mechanical joint by flanged end, domestically produced, AWWA C515.
4. Items 0640 thru 0755 are butterfly valves, mechanical joint, domestically produced, AWWA C504 and Class 150B
5. Items 0760 thru 0875 are butterfly valves, flanged end, domestically produced, AWWA C504 Class 150B
6. Items 0880 thru 0950 are double disc gate valves, flanged end, and domestically produced, AWWA C500.

I. Resilient Seat Gate Valves:

Resilient seat gate valves shall be domestically produced cast or ductile iron and conform to the latest revision of AWWA resilient seated gate valve standard C515 (ductile iron only), be UL listed and FM approved for service to 250 psi, cold water, non-shock water works service and 200 psi fire protection service. Resilient seat gate valves having standard mechanical joint ends shall have dimensions complying with AWWA C111 and ANSI A21.11 to be used with cast iron, ductile iron and Class 200 cast iron O.D. PVC pipe.

Resilient seat gate valves with flanged ends shall have dimensions and drilled connections complying with ANSI B-16.1, Class 125#.

NRS stems shall be case bronze with integral collars in compliance with AWWA. The NRS stuffing box shall have two O-ring seals above the thrust collar and one below. The top two O-rings shall be field replaceable without removing the valve from service.

The operating nut is to be 2" square nut, counterclockwise operation and shall be independent of the wedge and of solid bronze.

Stuffing box shall be attached to the bonnet and bonnet to the body with factory installed type 316 stainless steel bolts and nuts. Blind bolts threaded directly into the body or bonnet will not be acceptable.

The body and bonnet shall be coated both interior and exterior with a fusion bonded heat cured thermo setting material meeting all the application and performance requirements of AWWA C550.

The gasket seal between two surfaces shall employ the use of composition ring type gaskets retained to prevent the possibility of blow out.

Each valve shall be hydrostatically tested at 500 psi and must meet the requirements of both AWWA and UL/FM and be rated for 250 psi AWWA service.

All valves must have ten year published manufacturer's warranty.

Valves shall be as manufactured by Mueller, American Flow Control, M&H, U.S. Pipe, Clow, ARD, Kennedy or Crispin.

II. Butterfly Valves:

All butterfly valves shall be domestically produced and conform to the latest revision of AWWA standard C504 "rubber-seated butterfly valves", Class 150B. All butterfly valves shall operate so that the valve will open when turning the two (2) inch operating nut in a counter-clockwise direction.

Valves bodies shall be cast iron, ASTM A-126, Class B. Valves shall be short body design with mechanical joint ends or flanged ends, Class 150B. Valves shall be furnished complete without accessories.

Valves shafts shall be manufactured of 304 stainless steel and shall be of the "stub shaft" or "through shaft" type. If a stub shaft is used, it shall be inserted into the valve disc hubs for a distance of at least 1-½ shaft diameters. The disc/shaft connection shall be achieved with a pin that penetrates completely through the center of the valve shaft. The valve shaft diameter extending through the valve bearings into the valve disc shall be not less than specified in table 4 of the AWWA C504-80. The shaft shall have a packing gland or O-ring in the top trunnion of the valve body where the shaft protrudes for the operator connection. Where a packing gland is used, packing shall be of the self-adjusting "V" type, or approved equal. Packing gland and packing must be accessible without valve disassembly.

The disc shall be cast or ductile iron with disc edges of type 316 stainless steel. On valves 30" or larger, the disc shall be a flow through design and shall have an offset design to provide 360 degree uninterrupted seating.

The valve seats shall be Buna-N or natural rubber and shall be secured to either the valve body or disc. Rubber seats on the disc shall be bonded and vulcanized to stainless steel disc ring to insure proper alignment. On valves 30" and larger, valve seats shall be designed to permit mechanical adjustment or replacement in the field. If the rubber seat is on the disc, the 316 stainless steel body seat shall have an O-ring behind it to ensure bi-directional shut off at 150 psi.

The valve shall be equipped with a manual actuator consisting of a totally enclosed traveling nut type mechanism set on the side of the valve for operating with a 2-inch operating nut set in the vertical position. Valves utilizing actuators with right angle drives will not be permitted. The manual operator shall be of a design by the valve manufacturer complying with the latest revision of AWWA C504, and capable of withstanding 450 foot pound actuator input torque against the stops.

All interior and exterior surfaces of the butterfly valves are to be coated by manufacturer prior to shipment with a fusion bonded heat cured thermo setting material meeting all performance and application requirements conforming to AWWA C550.

316 stainless steel nuts and bolts shall be supplied for the valve body and stuffing box.

Valves shall be as manufactured by Mueller, M&H, Clow, ARD, Kennedy, Crispin, APCO/Dezurik or Henry Pratt.

III. Double Disc Gate Valves:

Valves shall be manufactured in accordance with AWWA Standard C500-93. Valves 12" and smaller shall be designed for 200 psi water working pressure and 150 psi for valves 14"-48" inclusive. Valves shall have (MJ, Flanged or as indicated on plans) ends and shall have clear waterway equal to the full nominal diameter of the valve. Valves shall be double disc parallel seat type with (non-rising, rising) stems opening by turning (left, right) and provided with (2" square nuts, hand wheel), with arrow cast in metal to indicate direction of opening.

Stuffing Boxes shall be "O" ring seal type with two O-rings located in stem above thrust collar in valves without gearing. Sizes 14" through 48" there shall be a bronze bushing meeting ASTM B584.

Valves will be bottom wedging type with two part floating wedge contact. The wedge and hook shall be separate castings and not a one piece casting in valves 4"-36".

Stems shall be in full conformance with AWWA Specs. Sizes 14"-36" bronze ASTM B584 with 80,000 tensile strength, and cast integral stem collar. 42" and 48" shall be type 304 stainless steel.

Stem nuts shall be made of solid bronze independent of hooks, gates and wedges. No pins will be allowed to retain gates to stem nut.

Gates shall be high strength cast iron, sturdily proportioned without pockets on backs. Cam surfaces shall open to bottom. Gate rings shall be rolled into dovetailed grooves under pressure to make one inseparable unit. The gate ring face shall be machined to a smooth finish.

All valves except flanged valves and outside screw and yoke valves are supplied with 2" square operating nuts of high strength cast iron unless otherwise specified. Flanged

valves and outside screw and yoke valves are supplied with hand wheels of high strength cast iron unless otherwise specified. Direction of opening is indicated by arrow cast on operating nut skirt or on the rim of the hand wheel.

Valves shall be as manufactured by Mueller, M&H, Clow, ARD, Kennedy, Crispin, APCO/Dezurik or Henry Pratt.

Valve Comparison Chart

	Manufacturer	Gate Valves	Butterfly Valves
1	Mueller	A-2360	Lineal III, Lineal XP, Lineal XP
2	Clow	2639	4500 & 1450
3	American Flow Control	Series 2500	
4	M&H	Series 4000 & 7000	450&1450
5	ARD	2640	450 & 1450
6	Kennedy	8571	450&1450
7	Crispin		500 & 47
8	U.S. PIPE		
9	Apco/Dezurik		BAW
10	Henry Pratt		Groundhog, Triton XR-70, 2FII, 2MII, MKII, HP 250II, HP250

DATE: 9/13/2017
BID NO.: 50-00120679

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

BUYER: MOVALLE@jeffparish.net

CONSOLIDATED PIPE AND Supply.

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 9/28/2017 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

DATE: 9/13/2017

BID NO.: 50-00120679

Page: 2

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

10,12,13,15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies) If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session – Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.