



Bid Number 50 – 00126978

**ONE YEAR CONTRACT FOR A SUPPLY OF DUCTILE IRON FITTINGS AND
ADAPTER KITS FOR PRICE BROTHERS PIPE FOR THE JEFFERSON PARISH
DEPARTMENT OF PUBLIC WORKS, WATERWORKS AND ALL JEFFERSON
PARISH AGENCIES AND MUNICIPALITIES**

JULY 11, 2019 AT 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
Donna M Evans
DMEvans@Jeffparish.net
504-364-2691**

INVITATION TO BID
THIS IS NOT AN ORDER

DATE: 6/26/2019
BID NO.: 50-00126978

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JEFFERSON PARISH

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

BUYER: DMEVANS@jeffparish.net

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, 7/11/2019 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.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

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 via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. 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.

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

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.

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 submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

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

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.

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. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Prior to contract executions/purchase order issuance, the successful bidder will be required to provide final insurance certificates which shall name Jefferson Parish as an additional insured in accordance with the instructions in the aforementioned "Standard Insurance Requirements" sheet.
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.

See Page 1 for Conflicts of Interest Statement

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

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

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

1-2 weeks

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

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Ferguson dba Louisiana Utilities Supply Co

ADDRESS: 901 S Labarre rd Suite 206

CITY, STATE: Metairie LA ZIP: 70001

TELEPHONE: (84) 834-1106 FAX: (84) 831-4179

EMAIL ADDRESS: Cathy.McCarthy@ferguson.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: 1 7/10/19
NUMBER: _____
NUMBER: _____
NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 196,785.00

AUTHORIZED SIGNATURE: Cathy A. McCarthy

Cathy A. McCarthy
Printed Name

TITLE: Branch Manager

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.



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Renny Simno
Director

July 10, 2019

ADDENDUM # 1

Bid No. 50-00126978

Bid Opening Date: July 11, 2019
Bid Postponed to: July 25, 2019

For: ONE YEAR CONTRACT FOR A SUPPLY OF DUCTILE IRON FITTINGS AND ADAPTER KITS FOR PRICE BROTHERS PIPE FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS, WATERWORKS AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES

Due to All Jefferson Parish Departments closing at noon on Thursday, July 11, 2019 and will remain closed through Friday, July 12, 2019 due to the possible severe tropical weather reported by the National Weather Service. The bid opening scheduled for July 11, 2019 at 2 pm is cancelled.

Please note bid has been postponed to July 25, 2019

Sincerely,

DONNA M EVANS, Buyer II
Jefferson Parish Purchasing Department

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of
This addendum on the bid form as indicated. Failure to do so will result in bid rejection.**

This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	ONLY	ONE YEAR CONTRACT FOR A SUPPLY OF DUCTILE IRON FITTINGS AND ADAPTER KITS FOR PRICE BROTHERS PIPE FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS, WATERWORKS AND ALL PAR AGENCIES 0010 MECHANICAL JOINT SOLID REPAIR SLEEVES 3 INCH (LONG BODY)	34.00	34.00
2	1.00	ONLY	GROUP 1 ONE (1) YEAR CONTRACT FOR A SUPPLY OF DUCTILE IRON FITTINGS AND ADAPTER KITS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS - WATER AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES 0030 MECHANICAL JOINT SOLID REPAIR SLEEVES 4 INCH (LONG BODY) (10001A)	37.00	37.00
3	1.00	ONLY	GROUP 1 0040 MECHANICAL JOINT SOLID REPAIR SLEEVES 4 INCH (COMPACT BODY) (10001)	26.00	26.00
4	1.00	ONLY	GROUP 1 0050 MECHANICAL JOINT SOLID REPAIR SLEEVES 6 INCH (LONG BODY)	66.00	66.00
5	1.00	ONLY	GROUP 1 0060 MECHANICAL JOINT SOLID REPAIR SLEEVES 6 INCH (COMPACT BODY) (10002)	47.00	47.00
6	1.00	ONLY	GROUP 1 0070 MECHANICAL JOINT SOLID REPAIR SLEEVES 8 INCH (LONG BODY)	103.00	103.00
7	1.00	ONLY	GROUP 1 0080 MECHANICAL JOINT SOLID REPAIR SLEEVES 8 INCH (COMPACT BODY) (10003)	61.00	61.00
8	1.00	ONLY	GROUP 1 0090 MECHANICAL JOINT SOLID REPAIR SLEEVES 10 INCH (LONG BODY) (10004A)	121.00	121.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
9	1.00	ONLY	GROUP 1 0100 MECHANICAL JOINT SOLID REPAIR SLEEVES 10 INCH (COMPACT BODY) (10004)	105. ⁰⁰	105. ⁰⁰
10	1.00	ONLY	GROUP 1 0110 MECHANICAL JOINT SOLID REPAIR SLEEVES 12 INCH (LONG BODY) (10005A)	160. ⁰⁰	160. ⁰⁰
11	1.00	ONLY	GROUP 1 0120 MECHANICAL JOINT SOLID REPAIR SLEEVES 12 INCH (COMPACT BODY) (10006)	119. ⁰⁰	119. ⁰⁰
12	1.00	ONLY	GROUP 1 0130 MECHANICAL JOINT SOLID REPAIR SLEEVES 14 INCH (LONG BODY)	245. ⁰⁰	245. ⁰⁰
13	1.00	ONLY	GROUP 1 0145 MECHANICAL JOINT SOLID REPAIR SLEEVES 16 INCH (LONG BODY) (10007A)	320. ⁰⁰	320. ⁰⁰
14	1.00	ONLY	GROUP 1 0150 MECHANICAL JOINT SOLID REPAIR SLEEVES 16 INCH (COMPACT BODY) (10007)	280. ⁰⁰	280. ⁰⁰
15	1.00	ONLY	GROUP 1 0160 MECHANICAL JOINT SOLID REPAIR SLEEVES 18 INCH (LONG BODY) (10008A)	390. ⁰⁰	390. ⁰⁰
16	1.00	ONLY	GROUP 1 0170 MECHANICAL JOINT SOLID REPAIR SLEEVES 18 INCH (COMPACT BODY) (10008)	350. ⁰⁰	350. ⁰⁰
17	1.00	ONLY	GROUP 1 0195 MECHANICAL JOINT SOLID REPAIR SLEEVES 24 INCH (LONG BODY) (10010A)	630. ⁰⁰	630. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
18	1.00	ONLY	GROUP 1 0200 MECHANICAL JOINT SOLID REPAIR SLEEVES 24 INCH (COMPACT BODY) (10010)	568. ⁰⁰	568. ⁰⁰
19	1.00	ONLY	GROUP 1 0210 MECHANICAL JOINT SOLID REPAIR SLEEVES 30 INCH (LONG BODY) (10011A)	1340. ⁰⁰	1340. ⁰⁰
20	1.00	ONLY	GROUP 1 0220 MECHANICAL JOINT SOLID REPAIR SLEEVES 30 INCH (COMPACT BODY) (10011)	1180. ⁰⁰	1180. ⁰⁰
21	1.00	ONLY	GROUP 1 0230 MECHANICAL JOINT SOLID REPAIR SLEEVES 36 INCH (LONG BODY) C-110 (10012A)	3040. ⁰⁰	3040. ⁰⁰
22	1.00	ONLY	GROUP 1 0240 MECHANICAL JOINT SOLID REPAIR SLEEVES 36 INCH (COMPACT BODY) C-110 (10012)	2510. ⁰⁰	2510. ⁰⁰
23	1.00	ONLY	GROUP 1 0250 MECHANICAL JOINT SOLID REPAIR SLEEVES 42 INCH (LONG BODY) C-110	3400. ⁰⁰	3400. ⁰⁰
24	1.00	ONLY	GROUP 1 0280 MECHANICAL JOINT SOLID REPAIR SLEEVES 48 INCH (COMPACT BODY) C-110 (10014)	4300. ⁰⁰	4300. ⁰⁰
25	1.00	ONLY	GROUP 1 0290 MECHANICAL JOINT, 90 DEGREE BENDS 3 INCH (06475)	39. ⁰⁰	39. ⁰⁰
			GROUP 2		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
26	1.00	ONLY	0295 MECHANICAL JOINT, 90 DEGREE BENDS 4 INCH (06476) GROUP 2	43.00	43.00
27	1.00	ONLY	0300 MECHANICAL JOINT, 90 DEGREE BENDS 6 INCH (06477) GROUP 2	75.00	75.00
28	1.00	ONLY	0310 MECHANICAL JOINT, 90 DEGREE BENDS 8 INCH (06478) GROUP 2	111.00	111.00
29	1.00	ONLY	0330 MECHANICAL JOINT, 90 DEGREE BENDS 12 INCH (06480) GROUP 2	211.00	211.00
30	1.00	ONLY	0360 MECHANICAL JOINT, 90 DEGREE BENDS 18 INCH (06483) GROUP 2	580.00	580.00
31	1.00	ONLY	0390 MECHANICAL JOINT, 90 DEGREE BENDS 30 INCH C-110 GROUP 2	3700.00	3700.00
32	1.00	ONLY	0400 MECHANICAL JOINT, 90 DEGREE BENDS 36 INCH C-110 GROUP 2	4900.00	4900.00
33	1.00	ONLY	0410 MECHANICAL JOINT X FLANGE, 90 DEGREE BENDS, 3 INCH GROUP 3	41.00	41.00
34	1.00	ONLY	0420 MECHANICAL JOINT X FLANGE, 90 DEGREE BENDS, 4 INCH	55.00	55.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
35	1.00	ONLY	GROUP 3 0430 MECHANICAL JOINT X FLANGE, 90 DEGREE BENDS, 6 INCH (06277)	73.00	73.00
36	1.00	ONLY	GROUP 3 0450 MECHANICAL JOINT X FLANGE, 90 DEGREE BENDS, 30 INCH C-110	4200.00	4200.00
37	1.00	ONLY	GROUP 3 0460 MECHANICAL JOINT X FLANGE, 90 DEGREE BENDS, 36 INCH C-110	5400.00	5400.00
38	1.00	ONLY	GROUP 3 0470 MECHANICAL JOINT, 45 DEGREE BENDS 3 INCH (06450)	35.00	35.00
39	1.00	ONLY	GROUP 4 0480 MECHANICAL JOINT, 45 DEGREE BENDS 4 INCH (06451)	38.00	38.00
40	1.00	ONLY	GROUP 4 0490 MECHANICAL JOINT, 45 DEGREE BENDS 6 INCH (06452)	60.00	60.00
41	1.00	ONLY	GROUP 4 0500 MECHANICAL JOINT, 45 DEGREE BENDS 8 INCH (06453)	85.00	85.00
42	1.00	ONLY	GROUP 4 0520 MECHANICAL JOINT, 45 DEGREE BENDS 12 INCH (06455)	180.00	180.00
43	1.00	ONLY	GROUP 4 0540 MECHANICAL JOINT, 45 DEGREE BENDS	378.00	378.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
44	1.00	ONLY	16 INCH (06457) GROUP 4 0570 MECHANICAL JOINT, 45 DEGREE BENDS 24 INCH (06460)	800. ⁰⁰	800. ⁰⁰
45	1.00	ONLY	GROUP 4 0580 MECHANICAL JOINT, 45 DEGREE BENDS 30 INCH C-110	3000. ⁰⁰	3000. ⁰⁰
46	1.00	ONLY	GROUP 4 0600 MECHANICAL JOINT X FLANGE, 45 DEGREE BENDS, 3 INCH	50. ⁰⁰	50. ⁰⁰
47	1.00	ONLY	GROUP 5 0620 MECHANICAL JOINT X FLANGE, 45 DEGREE BENDS, 6 INCH (06252)	78. ⁰⁰	78. ⁰⁰
48	1.00	ONLY	GROUP 5 0630 MECHANICAL JOINT X FLANGE, 45 DEGREE BENDS, 8 INCH (06253)	148. ⁰⁰	148. ⁰⁰
49	1.00	ONLY	GROUP 5 0640 MECHANICAL JOINT, 22-1/2 DEGREE BENDS, 3 INCH	22. ⁰⁰	22. ⁰⁰
50	1.00	ONLY	GROUP 6 0650 MECHANICAL JOINT, 22-1/2 DEGREE BENDS, 4 INCH (06426)	35. ⁰⁰	35. ⁰⁰
51	1.00	ONLY	GROUP 6 0660 MECHANICAL JOINT, 22-1/2 DEGREE BENDS, 6 INCH (06427)	55. ⁰⁰	55. ⁰⁰
52	1.00	ONLY	GROUP 6 0670 MECHANICAL JOINT, 22-1/2 DEGREE BENDS, 8 INCH (06428)	85. ⁰⁰	85. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
53	1.00	ONLY	GROUP 6 0720 MECHANICAL JOINT, 22-1/2 DEGREE BENDS, 18 INCH (06433)	420.00	420.00
54	1.00	ONLY	GROUP 6 0730 MECHANICAL JOINT, 22-1/2 DEGREE BENDS, 20 INCH (06434)	540.00	540.00
55	1.00	ONLY	GROUP 6 0750 MECHANICAL JOINT, 11-1/4 DEGREE BENDS, 6 INCH (06502)	58.00	58.00
56	1.00	ONLY	GROUP 7 0760 MECHANICAL JOINT, 11-1/4 DEGREE BENDS, 8 INCH (06503)	78.00	78.00
57	1.00	ONLY	GROUP 7 0770 MECHANICAL JOINT, 11-1/4 DEGREE BENDS, 12 INCH (06505)	150.00	150.00
58	1.00	ONLY	GROUP 7 0780 MECHANICAL JOINT, 11-1/4 DEGREE BENDS, 20 INCH (06509)	500.00	500.00
59	1.00	ONLY	GROUP 7 0790 MECHANICAL JOINT TEES, 3 INCH BY 3 INCH	52.00	52.00
60	1.00	ONLY	GROUP 8 0800 MECHANICAL JOINT TEES, 4 INCH BY 4 INCH (10402)	58.00	58.00
61	1.00	ONLY	GROUP 8 0810 MECHANICAL JOINT TEES, 6 INCH BY 4 INCH (10403)	92.00	92.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
62	1.00	ONLY	GROUP 8 0820 MECHANICAL JOINT TEES, 6 INCH BY 6 INCH (10404)	100.00	100.00
63	1.00	ONLY	GROUP 8 0830 MECHANICAL JOINT TEES, 8 INCH BY 6 INCH (10406)	124.00	124.00
64	1.00	ONLY	GROUP 8 0840 MECHANICAL JOINT TEES, 8 INCH BY 8 INCH (10407)	150.00	150.00
65	1.00	ONLY	GROUP 8 0850 MECHANICAL JOINT TEES, 10 INCH BY 6 INCH (10408)	157.00	157.00
66	1.00	ONLY	GROUP 8 0860 MECHANICAL JOINT TEES, 10 INCH BY 8 INCH (10409)	184.00	184.00
67	1.00	ONLY	GROUP 8 0870 MECHANICAL JOINT TEES, 10 INCH BY 10 INCH (10410)	211.00	211.00
68	1.00	ONLY	GROUP 8 0880 MECHANICAL JOINT TEES, 12 INCH BY 6 INCH (10411)	200.00	200.00
69	1.00	ONLY	GROUP 8 0890 MECHANICAL JOINT TEES, 12 INCH BY 8 INCH (10412)	230.00	230.00
70	1.00	ONLY	GROUP 8 0900 MECHANICAL JOINT TEES, 12 INCH BY 12 INCH (10414)	300.00	300.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
71	1.00	ONLY	GROUP 8 0910 MECHANICAL JOINT TEES, 16 INCH BY 6 INCH	410.00	410.00
72	1.00	ONLY	GROUP 8 0920 MECHANICAL JOINT TEES, 16 INCH BY 8 INCH (10421)	445.00	445.00
73	1.00	ONLY	GROUP 8 0970 MECHANICAL JOINT X FLANGE TEES, 6 INCH BY 4 INCH	112.00	112.00
74	1.00	ONLY	GROUP 9 0980 MECHANICAL JOINT X FLANGE TEES, 6 INCH BY 6 INCH (10504)	120.00	120.00
75	1.00	ONLY	GROUP 9 0990 MECHANICAL JOINT X FLANGE TEES, 8 INCH BY 6 INCH (10506)	138.00	138.00
76	1.00	ONLY	GROUP 9 1000 MECHANICAL JOINT X FLANGE TEES, 10 INCH BY 6 INCH	227.00	227.00
77	1.00	ONLY	GROUP 9 1020 MECHANICAL JOINT X FLANGE TEES, 12 INCH BY 6 INCH (10511)	260.00	260.00
78	1.00	ONLY	GROUP 9 1025 MECHANICAL JOINT X FLANGE TEES, 14 INCH BY 6 INCH	410.00	410.00
79	1.00	ONLY	GROUP 9 1040 MECHANICAL JOINT X SWIVEL TEES, 6 INCH BY 6 INCH (10700)	115.00	115.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
80	1.00	ONLY	GROUP 10 1060 MECHANICAL JOINT X SWIVEL TEES, 8 INCH BY 6 INCH (10701)	145.00	145.00
81	1.00	ONLY	GROUP 10 1060 MECHANICAL JOINT X SWIVEL TEES, 8 INCH BY 8 INCH (10702)	208.00	208.00
82	1.00	ONLY	GROUP 10 1070 MECHANICAL JOINT X SWIVEL TEES, 10 INCH BY 6 INCH (10703)	177.00	177.00
83	1.00	ONLY	GROUP 10 1080 MECHANICAL JOINT X SWIVEL TEES, 12 INCH BY 6 INCH (10705)	204.00	204.00
84	1.00	ONLY	GROUP 10 1090 MECHANICAL JOINT X SWIVEL TEES, 12 INCH BY 8 INCH (10706)	294.00	294.00
85	1.00	ONLY	GROUP 10 1110 MECHANICAL JOINT X SWIVEL TEES, 16 INCH BY 6 INCH (10709)	363.00	363.00
86	1.00	ONLY	GROUP 10 1130 MECHANICAL JOINT CROSSES, 4 INCH BY 4 INCH	115.00	115.00
87	1.00	ONLY	GROUP 11 1140 MECHANICAL JOINT CROSSES, 4 INCH BY 6 INCH	125.00	125.00
88	1.00	ONLY	GROUP 11 1150 MECHANICAL JOINT CROSSES, 6 INCH BY 6 INCH	144.00	144.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			GROUP 11		
89	1.00	ONLY	1160 MECHANICAL JOINT CONCENTRIC REDUCERS, 4 INCH BY 3 INCH (09401)	36.00	36.00
			GROUP 12		
90	1.00	ONLY	1170 MECHANICAL JOINT CONCENTRIC REDUCERS, 6 INCH BY 4 INCH (09402)	40.00	40.00
			GROUP 12		
91	1.00	ONLY	1180 MECHANICAL JOINT CONCENTRIC REDUCERS, 8 INCH BY 4 INCH (09403)	55.00	55.00
			GROUP 12		
92	1.00	ONLY	1190 MECHANICAL JOINT CONCENTRIC REDUCERS, 8 INCH BY 6 INCH (09404)	59.00	59.00
			GROUP 12		
93	1.00	ONLY	1210 MECHANICAL JOINT CONCENTRIC REDUCERS, 10 INCH BY 8 INCH (09406)	82.00	82.00
			GROUP 12		
94	1.00	ONLY	1220 MECHANICAL JOINT CONCENTRIC REDUCERS, 12 INCH BY 6 INCH (09407)	99.00	99.00
			GROUP 12		
95	1.00	ONLY	1230 MECHANICAL JOINT CONCENTRIC REDUCERS, 12 INCH BY 8 INCH (09408)	103.00	103.00
			GROUP 12		
96	1.00	ONLY	1240 MECHANICAL JOINT CONCENTRIC REDUCERS, 12 INCH BY 10 INCH (09409)	110.00	110.00
			GROUP 12		
97	1.00	ONLY	1250 MECHANICAL JOINT CONCENTRIC REDUCERS, 14 INCH BY 6 INCH (09410)	223.00	223.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			GROUP 12		
98	1.00	ONLY	1270 MECHANICAL JOINT X FLANGE ADAPTERS, 4 INCH (09900)	43.00	43.00
			GROUP 13		
99	1.00	ONLY	1280 MECHANICAL JOINT X FLANGE ADAPTERS, 6 INCH (09901)	56.00	56.00
			GROUP 13		
100	1.00	ONLY	1290 MECHANICAL JOINT X FLANGE ADAPTERS, 8 INCH (09902)	85.00	85.00
			GROUP 13		
101	1.00	ONLY	1310 MECHANICAL JOINT CAP, 4 INCH (06701)	17.00	17.00
			GROUP 14		
102	1.00	ONLY	1320 MECHANICAL JOINT CAP, 6 INCH (06702)	30.00	30.00
			GROUP 14		
103	1.00	ONLY	1330 MECHANICAL JOINT CAP, 8 INCH (06703)	45.00	45.00
			GROUP 14		
104	1.00	ONLY	1380 MECHANICAL JOINT PLUG, 4 INCH (09001)	20.00	20.00
			GROUP 14		
105	1.00	ONLY	1390 MECHANICAL JOINT PLUG, 6 INCH (09002)	37.00	37.00
			GROUP 15		
106	1.00	ONLY	1400 MECHANICAL JOINT PLUG, 8 INCH (09003)	54.00	54.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
107	1.00	ONLY	GROUP 15 1420 MECHANICAL JOINT PLUG, 12 INCH (09005)	94.00	94.00
108	1.00	ONLY	GROUP 15 1470 MECHANICAL JOINT OFFSET, 6 INCH BY 12 INCH (10778)	145.00	145.00
109	1.00	ONLY	GROUP 16 1480 MECHANICAL JOINT OFFSET, 8 INCH BY 12 INCH (10781)	206.00	206.00
110	1.00	ONLY	GROUP 16 1500 PRICE BROTHERS PIPE ADAPTER KITS, 16 INCH BY 24 INCH LENGTH (56760)	5786.00	5786.00
111	1.00	ONLY	GROUP 17 1510 PRICE BROTHERS PIPE ADAPTER KITS, 18 INCH BY 24 INCH LENGTH (56761)	6495.00	6495.00
112	1.00	ONLY	GROUP 17 1520 PRICE BROTHERS PIPE ADAPTER KITS, 20 INCH BY 24 INCH LENGTH (56762)	7251.00	7251.00
113	1.00	ONLY	GROUP 17 1530 PRICE BROTHERS PIPE ADAPTER KITS, 24 INCH BY 24 INCH LENGTH (56763)	7528.00	7528.00
114	1.00	ONLY	GROUP 17 1540 PRICE BROTHERS PIPE ADAPTER KITS, 30 INCH BY 24 INCH LENGTH (56764)	8864.00	8864.00
115	1.00	ONLY	GROUP 17 1550 PRICE BROTHERS PIPE ADAPTER KITS, 36 INCH BY 24 INCH LENGTH (56765)	10,386.00	10,386.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
116	1.00	ONLY	GROUP 17 1560 PRICE BROTHERS PIPE ADAPTER KITS, 42 INCH BY 24 INCH LENGTH (56766)	13,250. ⁰⁰	13,250. ⁰⁰
117	1.00	ONLY	GROUP 17 1570 PRICE BROTHERS PIPE ADAPTER KITS, 48 INCH BY 24 INCH LENGTH (56767)	14,000. ⁰⁰	14,000. ⁰⁰
118	1.00	ONLY	GROUP 17 1710 FLANGED JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH Group 20	504. ⁰⁰	504. ⁰⁰
119	1.00	ONLY	1715 FLANGED JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH (06155) Group 20	641. ⁰⁰	641. ⁰⁰
120	1.00	ONLY	1770 FLANGED JOINT, 90 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 3 INCH (06175) Group 21	167. ⁰⁰	167. ⁰⁰
121	1.00	ONLY	1780 FLANGED JOINT, 90 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH (06176)A Group 21	167. ⁰⁰	167. ⁰⁰
122	1.00	ONLY	1790 FLANGED JOINT, 90 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH (06177) Group 21	256. ⁰⁰	256. ⁰⁰
123	1.00	ONLY	1800 FLANGED JOINT, 90 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING)	390. ⁰⁰	390. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
124	1.00	ONLY	8 INCH (06178) Group 21 1820 FLANGED JOINT, 90 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING)	721.00	721.00
125	1.00	ONLY	12 INCH (06180) Group 21 1870 FLANGED JOINT, 90 DEGREE BEND REDUCING (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 10 INCH (06200)A Group 22	752.00	752.00
126	1.00	ONLY	1880 FLANGED JOINT, 90 DEGREE BEND REDUCING (PROTECTO 401 CERAMIC INTERIOR LINING) 14 INCH BY 10 INCH (06203)A Group 22	900.00	900.00
127	1.00	ONLY	1890 FLANGED JOINT, CROSSES (PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH BY 4 INCH (07202)A Group 23	257.00	257.00
128	1.00	ONLY	1900 FLANGED JOINT, CROSSES (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 6 INCH (07203) A Group 23	480.00	480.00
129	1.00	ONLY	1930 FLANGED JOINT, CROSSES (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH (07206)A Group 23	1223.00	1223.00
130	1.00	ONLY	1940 FLANGED JOINT, CROSSES (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 6 INCH (07209) A Group 23	1100.00	1100.00
131	1.00	ONLY	1950 FLANGED JOINT, CROSSES (PROTECTO 401 CERAMIC INTERIOR LINING)	1606.00	1606.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
132	1.00	ONLY	16 INCH BY 6 INCH (07212) A Group 23 1960 FLANGED JOINT, CONCENTRIC REDUCERS	136. ⁰⁰	136. ⁰⁰
133	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH BY 3 INCH (09101) A Group 24 1970 FLANGED JOINT, CONCENTRIC REDUCERS	213. ⁰⁰	213. ⁰⁰
134	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 3 INCH (09102) A Group 24 1980 FLANGED JOINT, CONCENTRIC REDUCERS	210. ⁰⁰	210. ⁰⁰
135	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 4 INCH (09103) A Group 24 1990 FLANGED JOINT, CONCENTRIC REDUCERS	311. ⁰⁰	311. ⁰⁰
136	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 8 INCH BY 6 INCH (09104) A Group 24 2000 FLANGED JOINT, CONCENTRIC REDUCERS	397. ⁰⁰	397. ⁰⁰
137	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH BY 6 INCH (09105) A Group 24 2010 FLANGED JOINT, CONCENTRIC REDUCERS	450. ⁰⁰	450. ⁰⁰
138	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH BY 8 INCH (09106) A Group 24 2020 FLANGED JOINT, CONCENTRIC REDUCERS	536. ⁰⁰	536. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
139	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 6 INCH (09107) A Group 24 2030 FLANGED JOINT, CONCENTRIC REDUCERS	578. ⁰⁰	578. ⁰⁰
140	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 8 INCH (09108) A Group 24 2040 FLANGED JOINT, CONCENTRIC REDUCERS	625. ⁰⁰	625. ⁰⁰
141	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 10 INCH (09109) A Group 24 2050 FLANGED JOINT, CONCENTRIC REDUCERS	720. ⁰⁰	720. ⁰⁰
142	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 14 INCH BY 8 INCH (09110) A Group 24 2060 FLANGED JOINT, CONCENTRIC REDUCERS	760. ⁰⁰	760. ⁰⁰
143	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 14 INCH BY 10 INCH (09111) A Group 24 2070 FLANGED JOINT, CONCENTRIC REDUCERS	900. ⁰⁰	900. ⁰⁰
144	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 16 INCH BY 12 INCH (09112) A Group 24 2080 FLANGED JOINT, CONCENTRIC REDUCERS	800. ⁰⁰	800. ⁰⁰
145	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 16 INCH BY 10 INCH (09114) A Group 24 2090 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING)	250. ⁰⁰	250. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
146	1.00	ONLY	4 INCH BY 4 INCH BY 4 INCH (10101)A Group 25	450.00	450.00
147	1.00	ONLY	2095 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH BY 4 INCH BY 6 INCH (10102A) Group 25	350.00	350.00
148	1.00	ONLY	2100 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 6 INCH BY 4 INCH (10103) A Group 25	360.00	360.00
149	1.00	ONLY	2110 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 6 INCH BY 6 INCH (10104) A Group 25	460.00	460.00
150	1.00	ONLY	2120 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 8 INCH BY 8 INCH BY 6 INCH (10105) A Group 25	510.00	510.00
151	1.00	ONLY	2130 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 8 INCH BY 8 INCH BY 8 INCH (10106) A Group 25	635.00	635.00
152	1.00	ONLY	2140 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH BY 10 INCH BY 6 INCH (10108) A Group 25	735.00	735.00
			2150 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH BY 10 INCH BY 10 INCH (10110) A Group 25		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
153	1.00	ONLY	2160 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH BY 6 INCH (10112) A Group 25	853.00	853.00
154	1.00	ONLY	2170 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH BY 8 INCH (10113) A Group 25	888.00	888.00
155	1.00	ONLY	2180 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH BY 12 INCH (10115) A Group 25	1026.00	1026.00
156	1.00	ONLY	2190 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 14 INCH BY 14 INCH BY 6 INCH (10117) A Group 25	1260.00	1260.00
157	1.00	ONLY	2200 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 14 INCH BY 14 INCH BY 10 INCH (10119) A Group 25	1330.00	1330.00
158	1.00	ONLY	2210 FLANGED JOINT, TEES (PROTECTO 401 CERAMIC INTERIOR LINING) 16 INCH BY 16 INCH BY 16 INCH (10121) A Group 25	1510.00	1510.00
159	1.00	ONLY	2220 FLANGED JOINT, TRUE WYES (PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH (10802) A Group 26	240.00	240.00
160	1.00	ONLY	2230 MECHANICAL JOINT, 11-1/4 DEGREE BEND	107.00	107.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
161	1.00	ONLY	PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH Group 27 2240 MECHANICAL JOINT, 11-1/4 DEGREE BEND	168. ⁰⁰	168. ⁰⁰
162	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH Group 27 2250 MECHANICAL JOINT, 22-1/2 DEGREE BEND	110. ⁰⁰	110. ⁰⁰
163	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH Group 28 2260 MECHANICAL JOINT, 22-1/2 DEGREE BEND	168. ⁰⁰	168. ⁰⁰
164	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH Group 28 2270 MECHANICAL JOINT, 22-1/2 DEGREE BEND	235. ⁰⁰	235. ⁰⁰
165	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 8 INCH Group 28 2280 MECHANICAL JOINT, 22-1/2 DEGREE BEND	316. ⁰⁰	316. ⁰⁰
166	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH Group 28 2290 MECHANICAL JOINT, 22-1/2 DEGREE BEND	396. ⁰⁰	396. ⁰⁰
167	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH Group 28 2300 MECHANICAL JOINT, 22-1/2 DEGREE BEND	585. ⁰⁰	585. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
168	1.00	ONLY	(PROTECTO 401 CERAMIC INTERIOR LINING) 14 INCH Group 28 2310 MECHANICAL JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 4 INCH Group 29	115.00	115.00
169	1.00	ONLY	2320 MECHANICAL JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH Group 29	171.00	171.00
170	1.00	ONLY	2330 MECHANICAL JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 8 INCH Group 29	237.00	237.00
171	1.00	ONLY	2340 MECHANICAL JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 10 INCH Group 29	299.00	299.00
172	1.00	ONLY	2350 MECHANICAL JOINT, 45 DEGREE BEND (PROTECTO 401 CERAMIC INTERIOR LINING) 12 INCH Group 29	422.00	422.00
173	1.00	ONLY	2360 MECHANICAL JOINT, 45 DEGREE BEND (PROTECTO 401 A CERAMIC INTERIOR LINING) 14 INCH Group 29	580.00	580.00
174	1.00	ONLY	2370 MECHANICAL JOINT, 90 DEGREE BEND (PROTECTO 401 A CERAMIC INTERIOR LINING) 4 INCH Group 30	121.00	121.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
175	1.00	ONLY	2380 MECHANICAL JOINT,90 DEGREE BEND (PROTECTO 401A CERAMIC INTERIOR LINING) 6 INCH Group 30	190.00	190.00
176	1.00	ONLY	2390 MECHANICAL JOINT,90 DEGREE BEND (PROTECTO 401 A CERAMIC INTERIOR LINING) 8 INCH Group 30	260.00	260.00
177	1.00	ONLY	2400 MECHANICAL JOINT,90 DEGREE BEND (PROTECTO 401 A CERAMIC INTERIOR LINING) 10 INCH Group 30	366.00	366.00
178	1.00	ONLY	2410 MECHANICAL JOINT,90 DEGREE BEND (PROTECTO 401A CERAMIC INTERIOR LINING) 12 INCH Group 30	468.00	468.00
179	1.00	ONLY	2420 MECHANICAL JOINT,90 DEGREE BEND PROTECTO 401A CERAMIC INTERIOR LINING) 14 INCH Group 30	678.00	678.00
180	1.00	ONLY	2430 MECHANICAL JOINT, CROSSES (PROTECTO 401A CERAMIC INTERIOR LINING) 4 INCH BY 4 INCH Group 31	214.00	214.00
181	1.00	ONLY	2440 MECHANICAL JOINT, CROSSES (PROTECTO 401A CERAMIC INTERIOR LINING) 6 INCH BY 6 INCH Group 31	281.00	281.00
182	1.00	ONLY	2450 MECHANICAL JOINT, CROSSES (PROTECTO 401A CERAMIC INTERIOR LINING) 8 INCH BY 8 INCH	313.00	313.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
183	1.00	ONLY	Group 31 2460 MECHANICAL JOINT, CROSSES (PROTECTO 401a CERAMIC INTERIOR LINING) 10 INCH BY 10 INCH	482.00	482.00
184	1.00	ONLY	Group 31 2470 MECHANICAL JOINT, CROSSES (PROTECTO 401A CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH	752.00	752.00
185	1.00	ONLY	Group 31 2480 MECHANICAL JOINT, CROSSES (PROTECTO 401A CERAMIC INTERIOR LINING) 12 INCH BY 6 INCH	510.00	510.00
186	1.00	ONLY	Group 31 2490 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401A CERAMIC INTERIOR LINING) 4 INCH BY 3 INCH	152.00	152.00
187	1.00	ONLY	Group 32 2500 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 3 INCH	160.00	160.00
188	1.00	ONLY	Group 32 2510 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401 CERAMIC INTERIOR LINING) 6 INCH BY 4 INCH	152.00	152.00
189	1.00	ONLY	Group 32 2520 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401 CERAMIC INTERIOR LINING) 8 INCH BY 6 INCH	324.00	324.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
190	1.00	ONLY	2530 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401ACERAMIC INTERIOR LINING) 10 INCH BY 6 INCH Group 32	263. ⁰⁰	263. ⁰⁰
191	1.00	ONLY	2540 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401ACERAMIC INTERIOR LINING) 10 INCH BY 8 INCH Group 32	272. ⁰⁰	272. ⁰⁰
192	1.00	ONLY	2550 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401ACERAMIC INTERIOR LINING) 12 INCH BY 6 INCH Group 32	326. ⁰⁰	326. ⁰⁰
193	1.00	ONLY	2560 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401ACERAMIC INTERIOR LINING) 12 INCH BY 8 INCH Group 32	330. ⁰⁰	330. ⁰⁰
194	1.00	ONLY	2570 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401ACERAMIC INTERIOR LINING) 12 INCH BY 10 INCH Group 32	343. ⁰⁰	343. ⁰⁰
195	1.00	ONLY	2580 MECHANICAL JOINT, CONCENTRIC REDUCER (PROTECTO 401ACERAMIC INTERIOR LINING) 14 INCH BY 8 INCH Group 32	527. ⁰⁰	527. ⁰⁰
196	1.00	ONLY	2590 MECHANICAL JOINT, TEES (PROTECTO 401ACERAMIC INTERIOR LINING) 4 INCH BY 4 INCH BY 4 INCH Group 33	136. ⁰⁰	136. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
197	1.00	ONLY	2600 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 6 INCH BY 6 INCH BY 4 INCH Group 33	217.00	217.00
198	1.00	ONLY	2610 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 6 INCH BY 6 INCH BY 6 INCH Group 33	227.00	227.00
199	1.00	ONLY	2620 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 8 INCH BY 8 INCH BY 6 INCH Group 33	290.00	290.00
200	1.00	ONLY	2630 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 8 INCH BY 8 INCH BY 8 INCH Group 33	320.00	320.00
201	1.00	ONLY	2640 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 10 INCH BY 10 INCH BY 6 INCH Group 33	367.00	367.00
202	1.00	ONLY	2650 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 10 INCH BY 10 INCH BY 10 INCH Group 33	435.00	435.00
203	1.00	ONLY	2660 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH BY 6 INCH Group 33	452.00	452.00
204	1.00	ONLY	2670 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING)	490.00	490.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
205	1.00	ONLY	LINING) 12 INCH BY 12 INCH BY 8 INCH Group 33 2680 MECHANICAL JOINT, TEES (PROTECTO 401 A CERAMIC INTERIOR LINING) 12 INCH BY 12 INCH BY 12 INCH Group 33	570.00	570.00
206	1.00	ONLY	2690 MECHANICAL JOINT, TEES (PROTECTO 401A CERAMIC INTERIOR LINING) 14 INCH BY 14 INCH BY 6 INCH Group 33	655.00	655.00
207	1.00	ONLY	2700 MECHANICAL JOINT, TEES (PROTECTO 401 A CERAMIC INTERIOR LINING) 14 INCH BY 14 INCH BY 10 INCH Group 33	875.00	875.00
208	1.00	ONLY	2710 - FLANGE JOINT, TEE, 4 IN X 4 IN X 4 IN, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, NO ACCESSORIES, MUST HAVE AWWA, ASTM, OR ANSI APPROVAL AND WRITTEN PROOF OF ISO9001 CERTIFICATION (10102B)	136.00	136.00
209	1.00	ONLY	2720 - FLANGE JOINT, TEE, 6 INCH X 6 INCH X 4 INCH, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, NO ACCESSORIES, MUST HAVE AWWA, ASTM, OR ANSI APPROVAL AND WRITTEN PROOF OF ISO9001 CERTIFICATION (101030)	185.00	185.00
210	1.00	ONLY	2730 - FLANGED JOINT, TEE 6 IN X 6 IN X 6 IN, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, WITHOUT ACCESSORIES, MUST HAVE AWWA, ASTM, OR ANSI APPROVAL AND WRITTEN PROOF OF ISO9001 CERTIFICATION (101040)	178.00	178.00
211	1.00	ONLY	2740 - FLANGE JOINT, TEE, 8 INCH X 8 INCH X 6 INCH, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, NO ACCESSORIES, MEETS AWWA,	255.00	255.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
212	1.00	ONLY	ASTM, OR ANSI APPROVAL AND WRITTEN PROOF OF ISO 9000 CERTIFICATION (101050) 2750 - FLANGED JOINT, TEE, 8 INCH X 8 INCH X 8 INCH, DUCTILE IRON, FLANGED, FUSION EPOXY COATED IN, NO ACCESSORIES, MEETS AWWA, ASTM, OR ANSI AND WRITTEN PROOF OF ISO 9000 CERTIFICATION. (101060)	293. ⁰⁰	293. ⁰⁰
213	1.00	ONLY	2780 - FLANGED JOINT, TEE, 12 IN X 12 IN DUCTILE IRON, FLANGED, FUSION EPOXY COATED WITHOUT ACCESSORIES, MUST HAVE AWWA, ASTM OR ANSI APPROVAL AND WRITTEN PROOF OF ISO 9001 CERTIFICATION (101150)	642. ⁰⁰	642. ⁰⁰
214	1.00	ONLY	2790 - REDUCER, CONCENTRIC, 4 IN X 3 IN, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, WITHOUT ACCESSORIES. 00-0091010	53. ⁰⁰	53. ⁰⁰
215	1.00	ONLY	2800 - PLUG, 6 IN, DUCTILE IRON, MECH JOINT, WITH 2 IN FEMALE PIPE THREAD TAP IN CENTER, EPOXY COATED IN AND OUT. 00-009002A	50. ⁰⁰	50. ⁰⁰
216	1.00	ONLY	2810 - PLUG, 8 IN, DUCTILE IRON, MECH JOINT, WITH 2 IN FEMALE PIPE THREAD TAP IN CENTER, EPOXY COATED IN AND OUT. 00-009003A	66. ⁰⁰	66. ⁰⁰
217	1.00	ONLY	2820 - PLUG, 12 IN DUCTILE IRON, MECH JOINT WITH 2 IN FEMALE PIPE THREAD TAP IN CENTER, EPOXY COATED IN AND OUT, DOMESTIC, NO ACCESSORIES 00-009005A	106. ⁰⁰	106. ⁰⁰
218	1.00	ONLY	2830 - REDUCER, CONCENTRIC, 6 IN X 4 IN, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, WITHOUT ACCESSORIES 00-0091030	83. ⁰⁰	83. ⁰⁰
219	1.00	ONLY	2840 - REDUCER, CONCENTRIC, 8 IN X 6 IN, DUCTILE IRON, FLANGED EPOXY COATED IN	136. ⁰⁰	136. ⁰⁰

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00126978

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
220	1.00	ONLY	AND OUT DOMESTIC, MEETS AWWA 00-0091040 2850 - REDUCER, CONCENTRIC, 12 IN X 8 IN, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, WITHOUT ACCESSORIES. 00-0091080	290.00	290.00
221	1.00	ONLY	2860 - BEND, 45 DEGREE, 6 INCH, DUCTILE IRON, FLANGED, FUSION EPOXY COATED WITHOUT ACCESSORIES 00-006152	100.00	100.00
222	1.00	ONLY	2870 - BEND, 90 DEGREE, 3 INCH, DUCTILE IRON, FLANGED, FUSION EPOXY COATED, WITHOUT ACCESSORIES 00-006175	52.00	52.00

Ductile Iron Fittings Contract

(Ductile Iron Fittings and Price Brothers' Pipe Adapter Kits)

ITEMS INCLUDED IN THIS CONTRACT:

- GROUP 1. Mechanical Joint Repair Sleeves (Lines 0010 thru 0280)
- GROUP 2. Mechanical Joint 90° Bends (Lines 0290 thru 0400)
- GROUP 3. Mechanical Joint x Flange 90° Bends (Lines 0410 thru 0460)
- GROUP 4. Mechanical Joint 45° Bends (Lines 0470 thru 0580)
- GROUP 5. Mechanical Joint x Flange 45° Bends (Lines 0600 thru 0630)
- GROUP 6. Mechanical Joint 22-½° Bends (Lines 0640 thru 0730)
- GROUP 7. Mechanical Joint 11-¼° Bends (Lines 0750 thru 0780)
- GROUP 8. Mechanical Joint Tees (Lines 0790 thru 0920)
- GROUP 9. Mechanical Joint x Flange Tees (Lines 0970 thru 1025)
- GROUP 10. Mechanical Joint Swivel Tees (Lines 1040 thru 1110)
- GROUP 11. Mechanical Joint Crosses (Lines 1130 thru 1150)
- GROUP 12. Mechanical Joint Concentric Reducers (Lines 1160 thru 1250)
- GROUP 13. Mechanical Joint x Flange Adapters (Lines 1270 thru 1290)
- GROUP 14. Mechanical Joint Caps (Lines 1310 thru 1330)
- GROUP 15. Mechanical Joint Plugs (Lines 1380 thru 1420)
- GROUP 16. Mechanical Joint Offsets (Lines 1470 thru 1480)
- GROUP 17. Price Brothers Adapter Kits (Lines 1500 thru 1570)
- ~~GROUP 18. Flanged Joint, 11-¼° Bend (Protecto 401 Ceramic Interior Lining) (Lines 1580 thru 1590) **Not Used**~~
- ~~GROUP 19. Flanged Joint, 22-½° Bend (Protecto 401 Ceramic Interior Lining) (Lines 1600 thru 1660) **Not Used**~~
- GROUP 20. Flanged Joint, 45° Bend (Protecto 401 Ceramic Interior Lining) (Lines 1710 thru 1715 and Line 2860)
- GROUP 21. Flanged Joint, 90° Bend (Protecto 401 Ceramic Interior Lining) (Lines 1770 thru 1820 and Line 2870)
- GROUP 22. Flanged Joint, 90° Bend, Reducing (Protecto 401 Ceramic Interior Lining) (Lines 1870 thru 1880)
- GROUP 23. Flanged Joint, Crosses (Protecto 401 Ceramic Interior Lining) (Lines 1890 thru 1950)
- GROUP 24. Flanged Joint, Concentric Reducers (Protecto 401 Ceramic Interior Lining) (Lines 1960 thru 2080)
- GROUP 25. Flanged Joint, Tees (Protecto 401 Ceramic Interior Lining) (Lines 2090 thru 2210)
- GROUP 26. Flanged Joint, True Wyes (Protecto 401 Ceramic Interior Lining) (Line 2220)
- GROUP 27. Mechanical Joint, 11-¼° Bend (Protecto 401 Ceramic Interior Lining) (Lines 2230 thru 2240)
- GROUP 28. Mechanical Joint, 22-½° Bend (Protecto 401 Ceramic Interior Lining) (Lines 2250 thru 2300)
- GROUP 29. Mechanical Joint, 45° Bend (Protecto 401 Ceramic Interior Lining) (Lines 2310 thru 2360)

- GROUP 30. Mechanical Joint, 90° Bend (Protecto 401 Ceramic Interior Lining)
(Lines 2370 thru 2420)
- GROUP 31. Mechanical Joint, Crosses (Protecto 401 Ceramic Interior Lining)
(Lines 2430 thru 2480)
- GROUP 32. Mechanical Joint, Concentric Reducers (Protecto 401 Ceramic Interior
Lining) (Lines 2490 thru 2580)
- GROUP 33. Mechanical Joint, Tees (Protecto 401 Ceramic Interior Lining)
(Lines 2590 thru 2700)
- GROUP 34. Flange Joint, Tees (Protecto 401 Ceramic Lining)
(Lines 2710 thru 2780)
- GROUP 35. Flange Joint, Concentric Reducer (Protecto 401 Ceramic Lining)
(Line 2790 and Lines 2830 thru 2850)
- GROUP 36. Mechanical Joint, Plugs (Protecto 401 Ceramic Lining)
(Lines 2800 thru 2820)

***** Note: This contract may be awarded accordingly to the low bidder of each group mentioned above. *****

Contract Terms:

This is a one year contract for supply of Ductile Iron Fittings and Adapter Kits for Price Brothers pipe for the Department of Public Works, Waterworks, 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 a one (1) year contract for a supply of Ductile Iron Fittings and Adapter Kits for Price Brothers pipe for the Parish of Jefferson, Department of Water, East and Westbank.

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.

Domestic as well as globally sourced (foreign) ductile iron fittings shall be allowed. All globally sourced (foreign) fittings shall also be manufactured at an ISO (International Organization for Standardization) registered manufacturer, which manufacturer shall have current ISO 9001 certification for standardization for fitting products. These manufacturing facilities must be covered under periodic audits by third party accreditation bodies for evaluations. These evaluations shall include manufacturing processes, quality control, corrective and preventive actions, and document control. In addition, distribution centers must be audited by third party approval agencies for periodic confirmation tests and surveillance audits. These periodic confirmation tests and surveillance audits shall document continuation of product approvals by auditing the entire quality systems including design, infrastructure, system implementation,

distribution, training, quality control and assurance, and document control. All fittings must be manufactured in accordance with NSF 61.

All technical literature containing the brand and part numbers that your company is bidding on must be submitted with the bid.

The manufacturer's name and the country of origin must be stamped on all fittings.

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:

I. Ductile Iron Fittings:

Fittings shall be available in 3" through 48" sizes and shall be cast from ductile iron in accordance with ANSI/AWWA C110/A21.10 and ANSI/AWWA C111/A21.11. Compact fittings shall be available in 3" through 24" and shall be cast from ductile iron in accordance with ANSI/AWWA C153/A21.53. All fittings shall have working pressure rating of 350 psi.

Ductile iron fittings shall have factory applied fusion bonded epoxy coating inside and out, in accordance with all applicable provisions of AWWA C-550 and ANSI/AWWA C116/A21.16-98 (protective fusion-bonded epoxy coatings for the interior and exterior surfaces of ductile iron fittings for water supply services).

II. Adapter Kits For Price Brothers Pipe (16" - 48"):

The purpose of these adapter kits is to connect Price Brothers pipe (Prestressed Concrete Cylinder Pipe, or PCCP) to valves, PVC C-900 or ductile iron pipe. Each kit shall include the following for each size:

- A) One each, price brother bell x mechanical joint spigot, minimum 18" long.
- B) One each, price brother spigot x mechanical joint spigot, minimum 18" long.
- C) Two each, PCCP O-ring gaskets.
- D) Two each, PCCP diaper (grout bands).

III. Ductile Iron Fittings (Protecto 401 Interior Lining):

Fittings shall be available in 3" through 48" sizes and shall be cast from ductile iron in accordance with ANSI/AWWA C110/A21.10 and ANSI/AWWA C111/A21.11. Compact fittings shall be available in 3" through 24" and shall be cast from ductile iron in accordance with ANSI/AWWA C153/A21.53. All fittings shall have working pressure rating of 350 psi.

Ductile iron fittings shall have a factory applied interior coating/lining of "Protecto 401" ceramic epoxy lining as per manufacturer's recommendations and requirements for sanitary sewer applications and factory asphaltic exterior coating.

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

Non-Public Works Bid

AFFIDAVIT

STATE OF LA

PARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Cathy A. McCarthy, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Branch Manager of Ferguson dba Louisiana Utilities Supply (Entity), the party who submitted a bid in response to Bid Number 5000126978 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 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 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.

Cathryn L. McCarthy
Signature of Affiant

Cathryn A. McCarthy
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 8th DAY OF July, 2019.

Shawn M. Larre
Notary Public

Shawn M. Larre
Printed Name of Notary

129314
Notary/Bar Roll Number



SHAWN M. LARRE
NOTARY PUBLIC
NOTARY NO. 129314
MY COMMISSION IS FOR LIFE.

My commission expires At Death.

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

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

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

SECRETARY-TREASURER

DATE

STANDARD INSURANCE REQUIREMENTS FOR BIDDING PURPOSES

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 **Invitation to 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 - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

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.



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Renny Simno
Director

June 2019

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The Jefferson Parish Purchasing Department would like to make vendors aware of the following changes:

DEDUCTIBLES: The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

PROTESTS: Only those vendors that submit bids in response to a solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

Please contact the Jefferson Parish Purchasing Department at 504-364-2678 if you have any questions or need assistance.



ADDITIONAL REMARKS SCHEDULE

AGENCY Willis of Maryland, Inc.		NAMED INSURED Ferguson Enterprises, Inc. and Subsidiaries (See Attached Named Insured Schedule) 12500 Jefferson Avenue Newport News, VA 23602	
POLICY NUMBER See First Page		EFFECTIVE DATE: See First Page	
CARRIER See First Page	NAIC CODE		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
 FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE

The Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and Parish Council are included as Additional Insureds under General Liability and Auto Liability as required by written contract but only with respect to liability arising out of Named Insured's operations.

Umbrella follows form.

ADDITIONAL COVERAGE SCHEDULE

COVERAGE	LIMITS
POLICY TYPE: Workers' Compensation & Employers Liability- CA/MA CARRIER: New ACE American Insurance Company POLICY TERM: 05/01/2018 - 05/01/2019 POLICY NUMBER: WLR C64786374	Per Statute E.L. Each Accident: \$2,000,000 E.L. Disease-Policy Limit: \$2,000,000 E.L. Disease-Each Employee: \$2,000,000
POLICY TYPE: Workers' Compensation & Employers Liability - TN CARRIER: Agri General Insurance Company POLICY TERM: 05/01/2018 - 05/01/2019 POLICY NUMBER: WLR C64786453	Per Statute E.L. Each Accident: \$2,000,000 E.L. Disease-Policy Limit: \$2,000,000 E.L. Disease-Each Employee: \$2,000,000
POLICY TYPE: Workers' Compensation & Employers Liability - WI CARRIER: ACE Fire Underwrites Insurance Company POLICY TERM: 05/01/2018 - 05/01/2019 POLICY NUMBER: SCF C64786611	Per Statute E.L. Each Accident: \$2,000,000 E.L. Disease-Policy Limit: \$2,000,000 E.L. Disease-Each Employee: \$2,000,000

**FERGUSON ENTERPRISES, INC. and Subsidiaries
Named Insured Listing**

Entity Name
AC Wholesalers
Alaska Pipe & Supply
Andrews Lighting & Hardware Gallery
The Ar-Jay Center
Atlantic American Fire Equipment Company
Avallon Global
BAC Appliance Center
Bath + Beyond
Bruce-Rogers Company
Build.com, Inc. (fka Improvement Direct, Inc.)
Cal-Steam
City Lights Design Showroom
CFP
Clawfoot Supply, LLC
Cline Contract Sales
Custom Lighting & Hardware
Davies Water
Dealernet
Duhig Stainless
Energy & Process Corporation
Equarius Waterworks, Meter & Automation Group
Factory Direct Appliance
Ferguson Bath & Kitchen Gallery
Ferguson Bath, Kitchen & Lighting Gallery
Ferguson.com
Ferguson CESCO, Inc.
Ferguson Direct
Ferguson Facilities Supply
Ferguson Fire & Fabrication, Inc.
Ferguson Fire & Fabrication International
Ferguson Heating & Cooling
Ferguson Hospitality Sales
Ferguson HVAC – Air Cold
Ferguson HVAC – EastWest Air
Ferguson HVAC – Lyon Conklin
Ferguson Integrated Services
Ferguson International
Ferguson Panama, S.A.
Ferguson Parts & Packaging
Ferguson Valve & Automation
Ferguson Waterworks
Ferguson Waterworks - Municipal Pipe
Ferguson Waterworks - Red Hed
Ferguson Waterworks EPPCO
Ferguson Waterworks International
Galleria Bath & Kitchen Showplace
HM Wallace, Inc.
H. P. Products Corporation
HP Logistic, Inc.
Improvement Brands Holdings, Inc.
Industrial Hub of the Carolinas
J&G Products
J.D. Daddario Company

Entity Name
Joseph G. Pollard Co.
Karl's Appliances
Lighting Unlimited
Lincoln Products
Linwood Pipe and Supply
Living Direct, Inc.
Louisiana Utilities Supply Company
LUSCO
Matera Paper
McFarland Supply
Michigan Meter
Myers HVAC Supply
Mississippi Utility Supply Co. (MUSCO)
PCS Industries
PL Sourcing
Plumb Source
Plumbing Décor
Pollardwater
Powell Pipe & Supply Co.
Power Equipment Direct Inc.
Professional's Bath Source
PV Sullivan Supply
Ramapo Wholesalers
Renwes Sales
Redlon & Johnson
Reese Kitchen, Bath & Lighting Gallery
SG Supply Co.
Ship-Pac
Signature Hardware
SOS Sales
Stock Loan Services, LLC
Supply.com
Tarpon Wholesale Supplies
The Davidson Group
The Plumbing Source
The Stock Market
TPW Kitchen & Bath
Waterworks Industries
Webb Distributors
Western Air Supply
Wholesale Group
Wholesale Group Operations, Inc.
Westfield Lighting
Wolseley (Barbados) Ltd
Wolseley de Puerto Rico, Inc.
Wolseley Financial Services
Wolseley Industrial Group
Wolseley Integrated de Mexico S.A. de C.V.
Wolseley Investments North America, Inc.
Wolseley Investments, Inc.
Wolseley NA Construction Services, LLC
Wolseley NA Finance, Inc.
Wolseley Staffing de Mexico S.A. de C.V.
WPCC Forwarding

PART #'S
SIGMA

1 EDMS3 3" MJ SHORT SLEEVE FBE
1 EDMS3 3" MJ SHORT SLEEVE FBE
1 EDML4 4" MJ LONG SLEEVE FBE
1 EDMS4 4" MJ SHORT SLEEVE FBE
1 EDML6 6" MJ LONG SLEEVE FBE
1 EDMS6 6" MJ SHORT SLEEVE FBE
1 EDML8 8" MJ LONG SLEEVE FBE
1 EDMS8 8" MJ SHORT SLEEVE FBE
1 EDML10 10" MJ LONG SLEEVE FBE
1 EDMS10 10" MJ SHORT SLEEVE FBE
1 EDML12 12" MJ LONG SLEEVE FBE
1 EDMS12 12" MJ SHORT SLEEVE FBE
1 EDML14 14" MJ LONG SLEEVE FBE
1 EDMS14 14" MJ SHORT SLEEVE FBE
1 EDML16 16" MJ LONG SLEEVE FBE
1 EDMS16 16" MJ SHORT SLEEVE FBE
1 EDML18 18" MJ LONG SLEEVE FBE
1 EDMS18 18" MJ SHORT SLEEVE FBE
1 EDML20 20" MJ LONG SLEEVE FBE
1 EDMS20 20" MJ SHORT SLEEVE FBE
1 EDML24 24" MJ LONG SLEEVE FBE
1 EDMS24 24" MJ SHORT SLEEVE FBE
1 NS 30" MJ LONG SLEEVE FBE C110
1 NS 30" MJ SHORT SLEEVE FBE C110
1 NS 36" MJ LONG SLEEVE FBE C110
1 NS 36" MJ SHORT SLEEVE FBE C110
1 NS 42" MJ LONG SLEEVE FBE C110
1 NS 42" MJ SHORT SLEEVE FBE C110
1 NS 48" MJ LONG SLEEVE FBE C110
1 NS 48" MJ SHORT SLEEVE FBE C110
1 EDMB390 3 C153 MJ 90 FBE
7 EDMB690 6 C153 MJ 90 FBE
4 EDMB890 8 C153 MJ 90 FBE
1 EDMB1090 10 C153 MJ 90 FBE
1 EDMB1290 12 C153 MJ 90 FBE
1 EDMB1490 14 C153 MJ 90 FBE
1 EDMB1690 16 C153 MJ 90 FBE
1 EDMB1890 18 C153 MJ 90 FBE
1 EDMB2090 20 C153 MJ 90 FBE
1 EDMB2490 24 C153 MJ 90 FBE
1 NS 30 C110 MJ 90 FBE
1 NS 36 C110 MJ 90 FBE

3 C153 MJxFLG 90 FBE

1 EMFB490 4 C153 MJxFLG 90 FBE
1 EMFB690 6 C153 MJxFLG 90 FBE
1 EMFB890 8 C153 MJxFLG 90 FBE
1 NS 30 C110 MJxFLG 90 FBE
1 NS 36 C110 MJxFLG 90 FBE
1 EDMB345 3 C153 MJ 45 FBE
1 EDMB445 4 C153 MJ 45 FBE
17 EDMB645 6 C153 MJ 45 FBE
1 EDMB845 8 C153 MJ 45 FBE
1 EDMB1045 10 C153 MJ 45 FBE
1 EDMB1245 12 C153 MJ 45 FBE

1 EDMB1445 14 C153 MJ 45 FBE
1 EDMB1645 16 C153 MJ 45 FBE
1 EDMB1845 18 C153 MJ 45 FBE
1 EDMB2045 20 C153 MJ 45 FBE
1 EDMB2445 24 C153 MJ 45 FBE
1 EDMB2045 20 C153 MJ 45 FBE
1 NS 30 C110 MJ 45 FBE
1 NS 36 C110 MJ 45 FBE
1 NS 3 C153 MJ x FLG 45 FBE
1 NS 4 C153 MJ x FLG 45 FBE
1 NS 6 C153 MJ x FLG 45 FBE
1 NS 8 C153 MJ x FLG 45 FBE
1 EDMB322 3 C153 MJ 22-1/2 FBE
1 EDMB422 4 C153 MJ 22-1/2 FBE
1 EDMB622 6 C153 MJ 22-1/2 FBE
2 EDMB822 8 C153 MJ 22-1/2 FBE
1 EDMB1022 10 C153 MJ 22-1/2 FBE
1 EDMB1222 12 C153 MJ 22-1/2 FBE
1 EDMB1422 14 C153 MJ 22-1/2 FBE
1 EDMB1622 16 C153 MJ 22-1/2 FBE
1 EDMB1822 18 C153 MJ 22-1/2 FBE
1 EDMB2022 20 C153 MJ 22-1/2 FBE
1 EDMB2422 24 C153 MJ 22-1/2 FBE
1 EDMB611 6 C153 MJ 11-1/4 FBE
1 EDMB811 8 C153 MJ 11-1/4 FBE
1 EDMB1211 12 C153 MJ 11-1/4 FBE
1 EDMB2011 20 C153 MJ 11-1/4 FBE
1 EDMT33 3 C153 MJ TEE FBE
1 EDMT44 4 C153 MJ TEE FBE
1 EDMT64 6x4 C153 MJ TEE FBE
9 EDMT66 6 C153 MJ TEE FBE
2 EDMT86 8x6 C153 MJ TEE FBE
1 EDMT88 8 C153 MJ TEE FBE
1 EDMT106 10x6 C153 MJ TEE FBE
1 EDMT108 10x8 C153 MJ TEE FBE
1 EDMT1010 10 C153 MJ TEE FBE
1 EDMT126 12x6 C153 MJ TEE FBE
1 EDMT128 12x8 C153 MJ TEE FBE
2 EDMT1212 12 C153 MJ TEE FBE
1 EDMT166 16x6 C153 MJ TEE FBE
1 EDMT168 16x8 C153 MJ TEE FBE
1 EDMT1612 16x12 C153 MJ TEE FBE
1 EDMT1616 16 C153 MJ TEE FBE
1 EDMT246 24x6 C153 MJ TEE FBE
1 EDMT2424 24 C153 MJ TEE FBE
1 EDMF64 6x4 C153 MJxFLG TEE FBE
3 EDMF66 6 C153 MJxFLG TEE FBE
1 EDMF86 8x6 C153 MJxFLG TEE FBE
1 EDMF106 10x6 C153 MJxFLG TEE FBE
1 NS 10x10 C153 MJxFLG TEE FBE
1 EDMF126 12x6 C153 MJxFLG TEE FBE
1 EDMF146 14x6 C153 MJxFLG TEE FBE
1 NS 16x12 C153 MJxFLG TEE FBE
45 EDMH66 6 C153 MJxSW TEE FBE
1 EDMH86 8x6 C153 MJxSW TEE FBE
1 NS 8x8 C153 MJxSW TEE FBE

1 EDMH106 10x6 C153 MJxSW TEE FBE
 3 EDMH126 12x6 C153 MJxSW TEE FBE
 1 EDMH128 12x8 C153 MJxSW TEE FBE
 1 EDMH146 FBE C153 DI MJXSWIVEL TEE
 1 EDMH166 16x6 C153 MJxSW TEE FBE
 1 EDMH206 20x6 C153 MJxSW TEE FBE
 1 EDMC44 4 C153 MJ CROSS FBE
 1 EDMC64 FBE C153 DI MJ 6X4 CROSS
 1 EDMC66 6 C153 MJ CROSS FBE
 2 EDMR43 4x3 C153 MJ CON RED FBE
 1 EDMR64 6x4 C153 MJ CON RED FBE
 1 EDMR84 8x4 C153 MJ CON RED FBE
 1 EDMR86 8x6 C153 MJ CON RED FBE
 1 EDMR106 10x6 C153 MJ CON RED FBE
 1 EDMR108 10x8 C153 MJ CON RED FBE
 1 EDMR126 12x6 C153 MJ CON RED FBE
 1 EDMR128 12x8 C153 MJ CON RED FBE
 1 EDMR1210 12x10 C153 MJ CON RED FBE
 1 EDMR146 FBE C153 DI MJ 14X6 REDUCER
 1 EDMR2016 20x16 C153 MJ CON RED FBE
 1 EMFA4 4 C153 MJxFLG ADPTR FBE
 1 EMFA6 6 C153 MJxFLG ADPTR FBE
 1 EMFA8 8 C153 MJxFLG ADPTR FBE
 1 EMFA24 24 C153 MJxFLG ADPTR FBE
 1 EDMK4 4 C153 MJ CAP FBE
 1 EDMK6 6 C153 MJ CAP FBE
 1 EDMK8 8 C153 MJ CAP FBE
 1 EDMK10 10 C153 MJ CAP FBE
 1 NS 14 C153 MJ CAP FBE
 1 EDMK16 16 C153 MJ CAP FBE
 1 NS 20 C153 MJ CAP FBE
 1 EDMP4 4 C153 MJ PLUG FBE
 13 EDMP6 6 C153 MJ PLUG FBE
 1 EDMP8 8 C153 MJ PLUG FBE
 1 EDMP10 10 C153 MJ PLUG FBE
 1 EDMP12 12 C153 MJ PLUG FBE
 1 NS 14 C153 MJ PLUG FBE
 1 EDMP16 16 C153 MJ PLUG FBE
 1 EDMP18 18 C153 MJ PLUG FBE
 1 NS 4x12 C153 MJ OFFSET FBE
 1 NS 6x12 C153 MJ OFFSET FBE
 1 NS 8x12 C153 MJ OFFSET FBE
 1 NS 12x12 C153 MJ OFFSET FBE

PRICE BROTHERS

1 16" L301 Spigot x MJ Spigot Adapter
 1 16" L301 Bell x MJ Spigot Adapter
 1 18" L301 Spigot x MJ Spigot Adapter
 1 18" L301 Bell x MJ Spigot Adapter
 1 20" L301 Spigot x MJ Spigot Adapter
 1 20" L301 Bell x MJ Spigot Adapter
 1 24" L301 Spigot x MJ Spigot Adapter
 1 24" L301 Bell x MJ Spigot Adapter
 1 30" L301 Spigot x MJ Spigot Adapter
 1 30" L301 Bell x MJ Spigot Adapter

- 1 36" L301 Spigot x MJ Spigot Adapter
- 1 36" L301 Bell x MJ Spigot Adapter
- 1 42" L301 Spigot x MJ Spigot Adapter
- 1 42" L301 Bell x MJ Spigot Adapter
- 1 48" L301 Spigot x MJ Spigot Adapter
- 1 48" L301 Bell x MJ Spigot Adapter

SIGMA

- 1 4-DFB411 4 C110 FLG 11-1/4 401
- 1 4-DFB611 6 C110 FLG 11-1/4 401
- 1 4-DFB422 4 C110 FLG 22-1/2 401
- 1 4-DFB622 6 C110 FLG 22-1/2 401
- 1 4-DFB822 8 C110 FLG 22-1/2 401
- 1 4-DFB1022 10 C110 FLG 22-1/2 401
- 1 4-DFB1222 12 C110 FLG 22-1/2 401
- 1 4-DFB1422 14 C110 FLG 22-1/2 401
- 1 4-DFB1622 16 C110 FLG 22-1/2 401
- 1 4-DFB345 3 C110 FLG 45 401
- 1 4-DFB445 4 C110 FLG 45 401
- 1 4-DFB645 6 C110 FLG 45 401
- 1 4-DFB845 8 C110 FLG 45 401
- 1 4-DFB1045 10 C110 FLG 45 401
- 1 4-DFB1245 12 C110 FLG 45 401
- 1 4-DFB1445 14 C110 FLG 45 401
- 1 4-DFB1645 16 C110 FLG 45 401
- 1 4-DFB1845 18 C110 FLG 45 401
- 1 4-DFB2045 20 C110 FLG 45 401
- 1 4-DFB2445 24 C110 FLG 45 401
- 1 4-DFB390 3 C110 FLG 90 401
- 1 4-DFB490 4 C110 FLG 90 401
- 1 4-DFB690 6 C110 FLG 90 401
- 1 4-DFB890 8 C110 FLG 90 401
- 1 4-DFB1090 10 C110 FLG 90 401
- 1 4-DFB1290 12 C110 FLG 90 401
- 1 4-DFB1490 14 C110 FLG 90 401
- 1 4-DFB1890 18 C110 FLG 90 401
- 1 4-DFB2090 20 C110 FLG 90 401
- 1 4-DFB2490 24 C110 FLG 90 401
- 1 4-DFB1210 12 x 10 C110 DI FLG RED 401
- 1 4-DFB1410 14x10 C110 FLG RED 90 401
- 1 4-DFC44 4 C110 FLG CROSS 401
- 1 4-DFC66 6 C110 FLG CROSS 401
- 1 4-DFC88 8 C110 FLG CROSS 401
- 1 4-DFC1010 10 C110 FLG CROSS 401
- 1 4-DFC1212 12 C110 FLG CROSS 401
- 1 4-DFC126 12X6 C110 FLG CROSS 401
- 1 4-DFC166 16X6 C110 FLG CROSS 401
- 1 4-DFR43 4x3 C110 FLG CON RED 401
- 1 4-DFR63 6x3 C110 FLG CON RED 401
- 1 4-DFR64 6x4 C110 FLG CON RED 401
- 1 4-DFR86 8x6 C110 FLG CON RED 401
- 1 4-DFR106 10x6 C110 FLG CON RED 401
- 1 4-DFR108 10x8 C110 FLG CON RED 401
- 1 4-DFR126 12x6 C110 FLG CON RED 401
- 1 4-DFR128 12x8 C110 FLG CON RED 401

1 4-DFR1210 12x10 C110 FLG CON RED 401
1 4-DFR148 14x8 C110 FLG CON RED 401
1 4-DFR1410 14x10 C110 FLG CON RED 401
1 4-DFR1612 16x12 C110 FLG CON RED 401
1 4-DFR1610 16x10 C110 FLG CON RED 401
1 4-DFT44 4 C110 FLG TEE 401
1 4-DFT64 6x4 C110 FLG TEE 401
1 4-DFT66 6 C110 FLG TEE 401
1 4-DFT86 8x6 C110 FLG TEE 401
1 4-DFT88 8 C110 FLG TEE 401
1 4-DFT106 10x6 C110 FLG TEE 401
1 4-DFT1010 10 C110 FLG TEE 401
1 4-DFT126 12x6 C110 FLG TEE 401
1 4-DFT128 12x8 C110 FLG TEE 401
1 4-DFT1212 12 C110 FLG TEE 401
1 4-DFT146 14X6 C110 FLG TEE 401
1 4-DFT1410 14X10 C110 FLG TEE
1 4-DFT1616 16 C110 FLG TEE 401
1 4-DFW44 4 C110 FLG TRUWYE 401
1 4-DMB411 4 C153 MJ 11-1/4 401
1 4-DMB611 6 C153 MJ 11-1/4 401
1 4-DMB422 4 C153 MJ 22-1/2 401
1 4-DMB622 6 C153 MJ 22-1/2 401
1 4-DMB822 8 C153 MJ 22-1/2 401
1 4-DMB1022 10 C153 MJ 22-1/2 401
1 4-DMB1222 12 C153 MJ 22-1/2 401
1 4-DMB1422 14 C153 MJ 22-1/2 401
1 4-DMB445 4 C153 MJ 45 401
1 4-DMB645 6 C153 MJ 45 401
1 4-DMB845 8 C153 MJ 45 401
1 4-DMB1045 10 C153 MJ 45 401
1 4-DMB1245 12 C153 MJ 45 401
1 4-DMB1445 14 C153 MJ 45 401
1 4-DMB490 4 C153 MJ 90 401
1 4-DMB690 6 C153 MJ 90 401
1 4-DMB890 8 C153 MJ 90 401
1 4-DMB1090 10 C153 MJ 90 401
1 4-DMB1290 12 C153 MJ 90 401
1 4-DMB1490 14 C153 MJ 90 401
1 4-DMC44 4 C153 MJ CROSS 401
1 4-DMC66 6 C153 MJ CROSS 401
1 4-DMC88 8 C153 MJ CROSS 401
1 4-DMC1010 10 C153 MJ CROSS 401
1 4-DMC1212 12 C153 MJ CROSS 401
1 4-DMC126 12X6 C153 MJ CROSS 401
1 4-DMR43 4x3 C153 MJ CON RED 401
1 4-DMR63 6x3 C153 MJ CON RED 401
1 4-DMR64 6x4 C153 MJ CON RED 401
1 4-DMR86 8x6 C153 MJ CON RED 401
1 4-DMR106 10x6 C153 MJ CON RED 401
1 4-DMR108 10x8 C153 MJ CON RED 401
1 4-DMR126 12x6 C153 MJ CON RED 401
1 4-DMR128 12x8 C153 MJ CON RED 401
1 4-DMR1210 12x10 C153 MJ CON RED 401
1 NS 14x8 C153 MJ CON RED 401
1 4-DMT44 4 C153 MJ TEE 401

1 4-DMT64 6x4 C153 MJ TEE 401
1 4-DMT66 6 C153 MJ TEE 401
1 4-DMT86 8x6 C153 MJ TEE 401
1 4-DMT88 8 C153 MJ TEE 401
1 4-DMT106 10x6 C153 MJ TEE 401
1 4-DMT1010 10 C153 MJ TEE 401
1 4-DMT126 12x6 C153 MJ TEE 401
1 4-DMT128 12x8 C153 MJ TEE 401
1 4-DMT1212 12 C153 MJ TEE 401
1 4-DMT1414 14 C153 MJ TEE 401
1 4-DMT1410 14x10 C153 MJ TEE 401

FUSION BONDED EPOXY COATED C110 DUCTILE IRON FLANGED FITTINGS

FUSION BONDED EPOXY COATED C110 DUCTILE IRON FLANGED FITTINGS

BASIC SPECIFICATIONS

- SIZES:** • 2" - 64"
- MATERIAL:** • Ductile Iron ASTM A536 Grade 60-42-10, 65-45-12 or 70-50-05.
- PRESSURE:** • 250 PSI Water Working Pressure for Ductile Iron sizes 2" - 48".
• 150 PSI Water Working Pressure for Ductile Iron sizes 54" - 64".
- TESTING:** • In accordance with ANSI / AWWA C110 / A21.10 where applicable.
• Other items are in accordance with manufacturer's standards.
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with SIGMA Quality Management Standards.
- LAYING LENGTH:** • In accordance with ANSI / AWWA C110 / A21.10 where applicable.
• Other items are in accordance with manufacturer's standards.
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- COATING:** • SIGMA FBE Coated Fittings are NSF61 and Annex G approved for potable water applications. The Epoxy Coated Fittings meet or exceed ANSI/AWWA C116/A21.16 and C550 standards (Protective Fusion-Bonded Epoxy Coatings for the Interior and Exterior surfaces of Ductile-Iron and Gray-Iron fittings for water supply service).
• FBE coated fittings of SIGMA are available from 2" to 48" in accordance with ANSI/AWWA C110/A21.10.
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11 & ANSI/AWWA C111/A21.11.
• Also available in EPDM, NBR and CR.
- APPROVALS:** • 2"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • Certified to NSF61 Standard including Annex G & 372.
• ANSI / AWWA C110 / A21.10 Where applicable.
• Other items are in accordance with manufacturer's standards.
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.



PROTECTO 401

Ceramic Epoxy Lined Ductile Iron
Fittings

SIGMA™

Quality – Service – Commitment – Delivered.

PROTECTO 401 C110 DUCTILE IRON FLANGED FITTINGS

PROTECTO 401 C110 DUCTILE IRON FLANGED FITTING BASIC SPECIFICATIONS

- SIZES:** • 2" - 64"
- MATERIAL:** • Ductile Iron ASTM A536 Grade 60-42-10, 65-45-12 or 70-50-05.
- PRESSURE:** • 250 PSI Water Working Pressure for Ductile Iron sizes 2" - 48".
• 150 PSI Water Working Pressure for Ductile Iron sizes 54" - 64".
- TESTING:** • In accordance with ANSI / AWWA C110 / A21.10 where applicable.
• Other items are in accordance with manufacturer's standards.
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with SIGMA Quality Management Standards.
- LAYING LENGTH:** • In accordance with ANSI / AWWA C110 / A21.10 where applicable.
• Other items are in accordance with manufacturer's standards.
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- COATING:** • Interior of fitting is lined with Protecto 401 (ceramic epoxy coating) standard for lining ductile iron pipe and fittings. Designed specifically for the protection of ductile iron for sanitary sewer service by providing a reliability similar to cement mortar lining in drinking water service but having the excellent chemical resistance of a novalac epoxy for septic sewer service.
• Exterior: Red Primer
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11 & ANSI/AWWA C111/A21.11.
• Also available in EPDM, NBR and CR.
- APPROVALS:** • 2"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • ANSI / AWWA C110 / A21.10 Where applicable.
• Other items are in accordance with manufacturer's standards.
• 54" and above Flanged Fittings are manufactured as per AWWA C153/A21.53.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.



FUSION BONDED EPOXY COATED C110 DUCTILE IRON MECHANICAL JOINT FITTINGS

FUSION BONDED EPOXY COATED C110 DUCTILE IRON MECHANICAL JOINT FITTINGS

BASIC SPECIFICATIONS

- SIZES:** • 2" - 48"
- MATERIAL:** • Ductile Iron ASTM A536, Grade 65-45-12, 60-42-10 or 70-50-05.
- PRESSURE:** • 350 PSI Water Working Pressure 2" - 24".
• 250 PSI Water Working Pressure 30" - 48".
- TESTING:** • In accordance with ANSI/AWWA C110/A21.10
• In accordance with UL - FM requirements.
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with the prevailing standards and SIGMA Quality Management Standards.
- LAYING LENGTH:** • In accordance with ANSI / AWWA C110/A21.10.
- DEFLECTION:** • Maximum allowable deflection for MJ Joint on a full length pipe is as mentioned below:
1. 3" - 4" = 8 Degrees
2. 6" = 7 Degrees
3. 8" - 12" = 5 Degrees
4. 14" - 48" = 3 Degrees
- COATING:** • SIGMA FBE Coated Fittings are NSF61 and Annex G approved for potable water applications. The Epoxy Coated Fittings meet or exceed ANSI/AWWA C116/A21.16 and C550 standards (Protective Fusion-Bonded Epoxy Coatings for the Interior and Exterior surfaces of Ductile-Iron and Gray-Iron fittings for water supply service).
• FBE coated fittings of SIGMA are available from 2" to 48" in accordance with ANSI/AWWA C110/A21.10.
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11.
• Also available in EPDM, NBR and CR.
- T-BOLTS:** • Low Alloy corrosion resistant high strength steel in accordance with ANSI/AWWA C111/A21.11.
- APPROVALS:** • 3"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • Certified to NSF61 Standard including Annex G & 372.
• ANSI / AWWA C110/A21.10 for Full Body Ductile Iron Fittings 2"-48" for water and other liquids.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.



FUSION BONDED EPOXY COATED C153 DUCTILE IRON MECHANICAL JOINT FITTINGS

FUSION BONDED EPOXY COATED C153 DUCTILE IRON MECHANICAL JOINT FITTINGS

BASIC SPECIFICATIONS

- SIZES:** • 2" - 64"
- MATERIAL:** • Ductile Iron ASTM A536, Grade 65-45-12, 60-42-10 or 70-50-05.
- PRESSURE:** • 350 PSI Water Working Pressure 2" - 24".
• 250 PSI Water Working Pressure 30" - 48".
• 150 PSI Water Working Pressure 54" - 64".
- TESTING:** • In accordance with ANSI/AWWA C153/A21.53.
• In accordance with UL - FM requirements.
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with the prevailing standards and SIGMA Quality Management Standards.
- LAYING LENGTH:** • Short body design - straight section of body deleted to provide a compact and lighter fitting without reducing strength or flow characteristics.
• In accordance with ANSI/AWWA C153/A21.53.
- DEFLECTION:** • Maximum allowable deflection for MJ Joint on a full length pipe is as mentioned below:
1. 3" - 4" = 8 Degrees
2. 6" = 7 Degrees
3. 8" - 12" = 5 Degrees
4. 14" - 48" = 3 Degrees
- COATING:** • SIGMA FBE Coated Fittings are NSF61 and Annex G approved for potable water applications. The Epoxy Coated Fittings meet or exceed ANSI/AWWA C116/A21.16 and C550 standards (Protective Fusion-Bonded Epoxy Coatings for the Interior and Exterior surfaces of Ductile-Iron and Gray-Iron fittings for water supply service).
• FBE coated fittings of SIGMA are available from 2" to 48" in accordance with ANSI/AWWA C153/A21.53.
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11.
• Also available in EPDM, NBR and CR.
- T-BOLTS:** • Low Alloy corrosion resistant high strength steel in accordance with ANSI/AWWA C111/A21.11.
- APPROVALS:** • 3"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • Certified to NSF61 Standard including Annex G & 372.
• ANSI/AWWA C153/A21.53 for Compact Ductile Iron Fittings 2"-64" for water and other liquids.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.



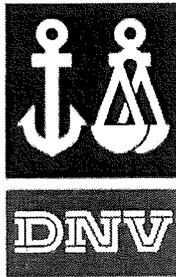
PROTECTO 401 C153 DUCTILE IRON MECHANICAL JOINT FITTINGS

PROTECTO 401 C153 DUCTILE IRON MECHANICAL JOINT FITTINGS

BASIC SPECIFICATIONS

- SIZES:** • 2" - 64"
- MATERIAL:** • Ductile Iron ASTM A536, Grade 65-45-12, 60-42-10 or 70-50-05.
- PRESSURE:** • 350 PSI Water Working Pressure 2" - 24".
• 250 PSI Water Working Pressure 30" - 48".
• 150 PSI Water Working Pressure 54" - 64".
- TESTING:** • In accordance with ANSI/AWWA C153/A21.53.
• In accordance with UL - FM requirements.
• All fittings are hydrostatically tested in accordance with SIGMA Quality Management Standard.
• All fittings are heat coded to ensure traceability and verification of metallurgical properties in accordance with the prevailing standards and SIGMA Quality Management Standards.
- LAYING LENGTH:** • Short body design - straight section of body deleted to provide a compact and lighter fitting without reducing strength or flow characteristics.
• In accordance with ANSI/AWWA C153/A21.53.
- DEFLECTION:** • Maximum allowable deflection for MJ Joint on a full length pipe is as mentioned below:
1. 3" - 4" = 8 Degrees
2. 6" = 7 Degrees
3. 8" - 12" = 5 Degrees
4. 14" - 48" = 3 Degrees
- COATING:** • Interior of fitting is lined with Protecto 401 (ceramic epoxy coating) standard for lining ductile iron pipe and fittings. Designed specifically for the protection of ductile iron for sanitary sewer service by providing a reliability similar to cement mortar lining in drinking water service but having the excellent chemical resistance of a novalac epoxy for septic sewer service.
• Exterior of fitting is seal coated (asphaltic material) in accordance with ANSI/AWWA C153/A21.53 and NSF61 approved.
- GASKETS:** • SBR in accordance with ANSI/AWWA C111/A21.11.
• Also available in EPDM, NBR and CR.
- T-BOLTS:** • Low Alloy corrosion resistant high strength steel in accordance with ANSI/AWWA C111/A21.11.
- APPROVALS:** • 3"-16" Underwriters Laboratories listed and Factory Mutual Approved.
- STANDARDS:** • ANSI/AWWA C153/A21.53 for Compact Ductile Iron Fittings 2"-64" for water and other liquids.
- INSTALLATION:** • Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905.





DET NORSKE VERITAS

MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 04396-2006-AQ-IND-RvA Rev. 03

This is to certify that

CALCUTTA EXPORT COMPANY (UNIT:CIF)

at

H.O.: 18, R.N. Mukherjee Road, 4th Floor, Kolkata - 700 001, INDIA
Works: 109, Rabindra Sarani, Bhattanagar, Liluah, Howrah - 711 204, INDIA
Warehouse : 28, A-K, Jheel Road, Bamangachi, Howrah - 711 204, INDIA

has been found to conform to the Quality Management System Standard:

ISO 9001:2008

This certificate is valid for the following scope:

**MANUFACTURE AND EXPORT OF GREY IRON & DUCTILE IRON
CASTINGS INCLUDING MANHOLE COVERS, GRATES, FRAMES, VALVE
BOXES, METER BOXES, LIDS, BRAKE BLOCKS, PHOSPHORIC IRON
BRAKE BLOCKS AND CAST IRON SOCKETS.**

Initial Certification date:
02 July 2003

This Certificate is valid until:
30 June 2015

*The audit has been performed under the
supervision of:*

Mrinmay Ghorai
Lead Auditor

Place and date of issue:
Chennai, 29 June 2012

for the Accredited Unit:
DET NORSKE VERITAS CERTIFICATION B.V.,
THE NETHERLANDS



Bhupalam Ajit
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement & the annexure to this certificate may render this Certificate invalid.

PDF compression, OCR, web optimization using a watermarked evaluation copy of CVISION PDFCompressor

ISSUED BY: DET NORSKE VERITAS AS, EMGEEN CHAMBERS, 10, C.S.T. ROAD, SANTA CRUZ (E), MUMBAI - 400 098, INDIA - www.dnv.com / www.dnvindia.com



DET NORSKE VERITAS

MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 04363-2006-AQ-IND-RvA Rev. 03

This is to certify that

CALCUTTA FERROUS LIMITED

at

H.O.: 18, R.N. Mukherjee Road, 4th Floor, Kolkata - 700 001, West Bengal, INDIA
Works: 41/1, "A" Road, Bamangachi, Howrah - 711 204, West Bengal, INDIA

has been found to conform to the Quality Management System Standard:

ISO 9001:2008

This certificate is valid for the following scope:

**MANUFACTURE AND EXPORT OF GREY IRON CASTINGS INCLUDING
MANHOLE COVERS, GRATES, FRAMES, VALVE BOXES, METER BOXES,
LIDS, BRAKE BLOCKS, PHOSPHORIC IRON BRAKE BLOCKS AND CAST
IRON SOCKETS.**

Initial Certification date:

02 July 2003

This Certificate is valid until:

01 July 2015

*The audit has been performed under the
supervision of:*

Mrinmay Ghorai
Lead Auditor

Place and date of issue:

Chennai, 02 July 2012

for the Accredited Unit:

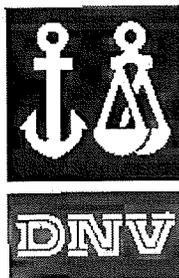
DET NORSKE VERITAS CERTIFICATION B.V.,
THE NETHERLANDS



Bhupalam Ajit
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement & the annexure to this certificate may render this Certificate invalid.

DET NORSKE VERITAS CERTIFICATION B.V. Zwolseweg 1, 29911 B Barendrecht, The Netherlands, TEL: +31 10 2922 688 - www.dnv.com / www.dnv.nl
Issued By: Det Norske Veritas AS, Engene, Clambers 10, C.S.T. Road, Santacruz (E), Mumbai - 400 998, INDIA - www.dnv.com / www.dnvindia.com



DET NORSKE VERITAS

MANAGEMENT SYSTEM CERTIFICATE

Master Certificate No. 45055-2008-AQ-IND-RvA Rev. 02

This is to certify that

CALCUTTA SPRINGS LTD.

at

Village Alanpur, New Kolorah, Howrah - 711 302, INDIA
and site as mentioned in Appendix 1 accompanying this certificate

has been found to conform to the Quality Management System Standard.

ISO 9001:2008

This certificate is valid for the following scope:

**MANUFACTURE OF SPHEROIDAL GRAPHITE CAST IRON (DUCTILE IRON)
INSERTS / SHOULDERS, METAL LINERS, NUTS & BOLTS, ELASTIC RAIL
CLIPS AND PANDROL FOR RAILWAY TRACK AND S.G. IRON / DUCTILE IRON
CASTINGS, INDUSTRIAL / SANITARY CASTINGS, PIPE FITTINGS, MANHOLE
COVERS, MALLEABLE AND GREY IRON CASTINGS**

Initial Certification date.

03 January 2009

This Certificate is valid until:

01 January 2015

*The audit has been performed under the
supervision of:*

Debashish Datta
Lead Auditor

Place and date of issue.

Chennai, 25 January 2012

for the Accredited Unit
DET NORSKE VERITAS CERTIFICATION B.V.,
THE NETHERLANDS



Bhupalam Aju
Management Representative

Lack of fulfillment of conditions as set out in the Certification Agreement & the annexure to this certificate may render this Certificate invalid

DET NORSKE VERITAS CERTIFICATION B.V., Zwolsweg 1, 2994 TB Barendrecht, The Netherlands, T +31 (0) 2022 656 - www.dnv.com / www.dnv.nl



global assurance

This is to certify that the Quality Management System of

Cangzhou Yongxin Casting Co., Ltd.

botou Industrial Park, Hebei Province, People's Republic of China

applicable to

**Manufacture, sale and service of nodular iron castings and
nodular iron casting pipe fittings and accessories**

has been assessed and registered by NQA against the provisions of
ISO 9001:2008

This registration is subject to the company maintaining a quality management
system, to the above standard, which will be monitored by NQA.

Please consult the website: www.nqa.com.cn

Certificate Number: 14274

Date: 01 February 2010

Release Date: 01 March 2011

Valid Until: 01 March 2014

EAC Code: 17

Head of NQA



015

CERTIFICATE ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認証証書 ◆ CERTIFICATE ◆ CERTIFIKAT ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認証証書 ◆ CERTIFICATE ◆ CERTIFIKAT ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認証証書 ◆ CERTIFICATE ◆ CERTIFIKAT ◆ CERTIFICADO ◆ CERTIFIKAT ◆ 認証証書 ◆



South Asia

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited

certifies that

HIMGIRI CASTINGS PVT. LTD.
PLOT NO. 213, CHANDRAPURA VILLAGE,
B/H GENERAL MOTORS, TALUKA - HALOL
DIST. PANCHMAHAL - 389 350, GUJARAT, INDIA

has established
and applies a Quality Management System for

**Manufacture and Supply of Ductile
& Grey Iron Castings**

An audit was performed, Report No. 20056504
Proof has been furnished that the requirements according to
ISO 9001 : 2008

are fulfilled. The certificate is **Valid until 2013-06-22**
Subject to successful completion of the **Annual Audit before 2011-04-28**

The present status of this Certificate can be obtained on www.tuv-sud.in

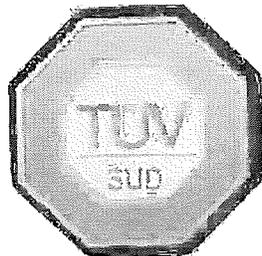
*Further clarifications regarding the scope of this certificate and the applicability of
ISO 9001:2008 requirements may be obtained by consulting the certification body*

Certificate Registration No. 99 100 11786

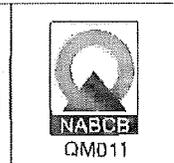
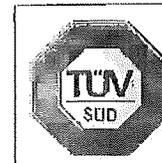
Mumbai

Original Issued Date: 2010-06-23

Effective Date: 2010-06-23



Certification Body
of TÜV SÜD South Asia Private Limited
Member of TÜV SÜD Group





CFL CERTIFICATION CENTER
CERTIFICATION OF QUALITY MANAGEMENT SYSTEM

Registration No: 06512Q20890R0S

Sanhe Shengyuan Machinery Manufacturing Co., Ltd.

Registered Address: Shengtun Village North, Yanjiao, Sanhe City, Langfang City,
 Hebei Province, 065201, P.R.C.

Office Address: (Chaobai Street 858) Shengtun Village North, Yanjiao, Sanhe City,
 Langfang City, Hebei Province, 065201, P.R.C.

Complies with the requirements of

GB/T19001-2008 idt ISO 9001: 2008

The scope of certification covers:

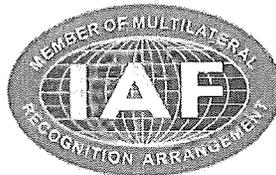
Manufacturing and Processing of Cast Iron Parts

The 1st surveillance	The 2st surveillance	The 3st surveillance
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The certificate owner should accept the supervise auditing not less than three times in the period of validity

Date of Registration: 2012-05-28

Date of Expiry: 2015-05-27



MANAGEMENT SYSTEM
 CNAS C065-Q

Add:A301,Dehui Edifice,No.A39,Xingfu Avenue,Chongwen District,Beijing,100061,P.R.C.

Inquiring Website:www.bjzwl.org

Inquiring Telephone:010-67161955



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and
CQC
hereby certify that the organization

Shaanxi Fangzhi Trade Co., Ltd

A1B1 of 26th Floor, the Green Mansion No.1, Xingqing Road Middle, Xi'an,,Shaanxi, China

For the following field of activities

Design & Export Trade of Cast Iron and Ductile Iron Castings, Including Water Works Products of Pipe Fittings, Pipe Restrains, Valve Parts, Hydrant Parts and OEM Casting Parts in CI, DI and Steel

Has implemented and maintains a
Management System
Which fulfils the requirements of the following standard
ISO9001:2008

Issued on: Oct. 17, 2012

Validity date: Oct. 16, 2015

Registration Number: **00112Q210662R3S/6100**



Michael Drechsel
President of IQNet

Wang Kejiao
President of CQC



IQNet Partners*:

- AENOR Spain AFNOR Certification France AIB-Vinçotte International Belgium ANCE Mexico APCER Portugal CCC Cyprus
- CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark
- ELOT Greece FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico INNORPI Tunisia
- Inspecta Certification Finland IRAM Argentina JQA Japan KFQ Korea MSZT Hungary Nemko AS Norway NSAI Ireland
- PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland
- SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 00112Q210662R3S/6100

We hereby certify that
Shaanxi Fangzhi Trade Co., Ltd

A1B1 of 26th Floor, the Green Mansion No.1, Xingqing Road Middle, Xi'an,,Shaanxi,
China

by reason of its
Quality Management System
has been awarded this certificate for compliance with the standard
ISO9001: 2008

GB/T 19001-2008

The Quality Management System Applies in the following area:

**Design & Export Trade of Cast Iron and Ductile Iron Castings, Including Water Works Products of
Pipe Fittings, Pipe Restraints, Valve Parts, Hydrant Parts and OEM Casting Parts in CI, DI and Steel**

Certified since: Oct. 16, 2003 Valid from: Oct. 17, 2012 Valid until: Oct. 16, 2015

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.
Please access www.cqc.com.cn for checking validity of the certificate.



Signed by: Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan(the South Fourth Ring Road) Xilu(West Road), Beijing 100070,China
<http://www.cqc.com.cn>

Q 0118617

2009年版



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

ICMNet and CQM
Intertec, certify that the organization

Wilha Rongkitchuan Electrical Technology Faculty

10000 Wilha Rongkitchuan Road, Bangkok, Thailand

Postcode: 241000

is in conformity with

ISO 14001:2004 Standard

This certificate is issued to the following product(s)/service:
Production of electrical products including and grey iron castings and related management services

Issued on 21/03/07

Expiry date: 21/03/09

Registration Number: 12700172-00000001



Michael (Bob) Axel
President of ICMNet

Charles W.H.
President of CQM



ICMNet and CQM are not responsible for the accuracy of the information provided in this certificate. The information provided in this certificate is for informational purposes only and should not be used as a basis for any legal or financial decisions. The information provided in this certificate is subject to change without notice.

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CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Ningbo Zhongbin Fastener Manufacture Co., Ltd.
Luo Pei Road, Samsung Industry Development Zone,
Jiulonghu, Ningbo, Zhejiang,
People's Republic of China

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008
GB/T 19001-2008

The Quality Management System is applicable to:

Manufacture of Fastener and track bolt& screw.

Approval
Certificate No: QAC0061115

Original Approval: 5 June 2007

Current Certificate: 21 May 2010

Certificate Expiry: 4 June 2013

Issued by: Lloyd's Register Quality Assurance (Shanghai) Co., Ltd.
for and on behalf of Lloyd's Register Quality Assurance Limited



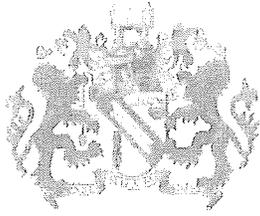
This document is subject to the provision on the reverse

71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370

This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

The use of the UKAS Accreditation Mark indicates Accreditation in respect of those activities covered by the Accreditation Certificate Number 001

Stage 06/01/13



Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2008

This is to certify that:

R.B.Agarwalla & Company
Head Office:
2/6, Sarat Bose Road
Kolkata 700 020
West Bengal
India

Holds Certificate No: FM 78831

and operates a Quality Management System which complies with the requirements of ISO 9001:2008 for the following scope:

The manufacture and export of grey iron castings; and export of ductile iron castings for utility & municipal applications.

For and on behalf of BSI:

Managing Director, BSI India, Venkataram Arabolu

Originally registered: 14/10/2003

Latest issue: 29/09/2009

Expiry Date: 13/10/2012



Page: 1 of 2

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated [online](http://www.bsi-global.com/ClienDirectory).
Printed copies can be validated at www.bsi-global.com/ClienDirectory or telephone +81 11 2692 9000.
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.
BSI, The MIRA Corporate Suites (A-2), Plot 1 and 2, Ishwar Nagar, Mathura Road, New Delhi 110 065.



Certificate No: FM 78831

Location	Registered Activities
R.B.Agarwalla & Company Head Office: 2/6, Sarat Bose Road Kolkata 700 020 West Bengal India	Management, MR functions, sales, purchase, training and drawing office activities.
R B Agarwalla & Company Warehouse: Village Ankurhati, P.O. Salap P.S. Domjur 711 302 Dist. Howrah West Bengal India	Receipt of grey cast iron & ductile iron castings, inspection & finishing of castings, storage, packing and despatch of castings.
Shree Uma Foundries Pvt Ltd 26, Jheel Road, Bamungachi Salkia Howrah 711 106 West Bengal India	Manufacture of grey cast iron castings, stores, quality assurance and purchase.

Originally registered: 14/10/2003

Latest Issue: 29/09/2009

Expiry Date: 13/10/2012

Page: 2 of 2

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated online.
Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +91 11 2692 9000.
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.
BSI, The MIRA Corporate Suites (A-2), Plot 1 and 2, Ishwar Nagar, Mathura Road, New Delhi 110 065.

ZERTIFIKAT ♦ CERTIFICATE ♦ 認証証書 ♦ CERTIFICADO ♦ CERTIFICAT



South Asia

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited

certifies that

HIMGIRI CASTINGS PVT. LTD.
291, KUNDAIM INDUSTRIAL ESTATE,
KUNDAIM, GOA - 403 115, INDIA

has established
and applies a Quality Management System for

Manufacture and Supply of
♦ Ductile and Grey Iron Castings

An audit was performed, Report No. 20053115
Proof has been furnished that the requirements according to
ISO 9001 : 2008

are fulfilled. The certificate is **Valid until 2013-06-26**
Subject to successful completion of the Annual Audit before **2011-05-30**

The present status of this Certificate can be obtained on www.tuv-sud.in

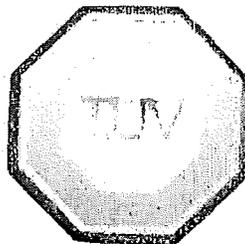
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the certification body

Certificate Registration No. 99 100 02811

Mumbai

Original Issued Date: 2007-06-28

Effective Date: 2010-08-17



Certification Body
of TÜV SÜD South Asia Private Limited
Member of TÜV SÜD Group



Address: Off Saki Vihar Road • Saki Naka • Andheri (East) • Mumbai – 400072 TÜV®

TS0508



Certificate of Registration

(Quality Management System)

KVQA CERTIFICATION SERVICES PVT. LTD.
This is to certify that the Quality Management System of

M/S. RBA FERRO INDUSTRIES PRIVATE LIMITED
Head Office: 25, Street Road, Baidya No. 444, Central Plaza,
Kolkata-700 026, West Bengal, India
Works: Nil-4, VII & P O, Prasaha, P.S. Durgaj, Haverah-711 302, West Bengal, India.

Has been found to be of the Quality Management System Standard
NS-EN ISO 9001:2008/ISO 9001:2008

This certificate is valid for the following product or service range
**Manufacturing, Machining & Supply Of Grey Iron And SG
Iron, Automotive, Engineering, And Municipal Utility Castings.**

For details see the 9001:2008 Scope for
For more details see the 9001:2008 Scope for

Certificate No: **9001/2008**
Date of Issue: **14th July 2012**
Valid Until: **13th April 2015**

Issued by:
Authorized Signatory: **KVQA**

This certificate is valid only for the purpose of registration of the
Quality Management System. It does not guarantee the quality of the
products or services. The certificate holder is responsible for the
maintenance of the Quality Management System.



Certificate of Registration

(Environmental Management System)

KVQA CERTIFICATION SERVICES PVT. LTD.

This is to certify that the Environmental Management System of

M/S. RBA FERRO INDUSTRIES PRIVATE LIMITED

Head Office: 24, Sarat Bose Road, Suite No. 808, Central Plaza,
Kolkata-700 026, West Bengal, India.

Works: VIIA, VIII & P.O. : Prankia, P.S. Durgaj,
Howrah-711 302, West Bengal, India.

Has been found to be Environmental Management System Standard

IS-EN ISO 14001:2004/ISO 14001:2004

This certificate is valid for the following product or service range

Manufacturing, Machining & Supply Of Grey Iron And SGI
Iron, Aeronautics, Engineering And Municipal Utility, Casting.

It is renewed till the 31st Dec 2011
It is renewed till the 31st Dec 2011

Class Code: MSCE 400
Date of Issue: 01.08.2011
Valid till: 31.12.2011

Issued By:
Authorised Signatory



This certificate is valid only for the scope of registration of
the Environmental Management System as per the scope of registration
and is not valid for any other scope of registration.



ZHONGDAHUAYUAN CERTIFICATION CENTER (ZOHY)

(2002 Fuzhuangmenwai Street, Wuyang District, Beijing, 100033 P.R.China)

QUALITY MANAGEMENT SYSTEM
CERTIFICATE

No. 02010Q20163K007

XIAYI WEIHAI CASTING CO., LTD

System was assessed

Address(elp): Development Zone, West of Xuying Town, Xiayi City, Henan Province,
P.R.China(476431)

Production or Service: The production and service of gray iron and nodular iron casting
production such as water pipeline and air pipeline parts, valve parts, fire fighting bo and
others

Assessment standard

GB/T 19001-2008/ISO 9001:2008

Issue date: Jan. 26, 2010

Valid period

Jan. 26, 2010-Jan. 25, 2013

DU TONGHE, Director of ZOHY



MANAGEMENT SYSTEM
CNAS 0200-Q





THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and
its partner
hereby certify that the organization

Xianyang Jingcheng Foundry Co., Ltd.

Luyin Industrial Zone, Qindu Town, Xianyang, Shaanxi, China

For the following field of activities

Production and Service of Cast Iron and Ductile Iron Precision Castings, Including Water Works Products of Pipe Fitting, Pipe Restraints

Has implemented and maintains a
Management System
Which fulfils the requirements of the following standard

ISO9001:2008

Issued on: Sep. 28, 2012

Validity date: Sep. 27, 2016

Registration Number : 00112Q21008TRAM/0100



Michael Drechsel
President of IQNet

Wang Kejiao
President of CQC



IQNet Partners:

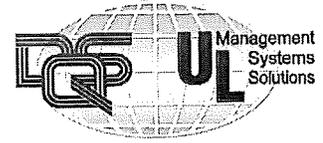
AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium ANCE Mexico APCER Portugal CQC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark
ELOT Greece FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMC Mexico INNORPI Tunisia
Inspecta Certification Finland IRAM Argentina JQA Japan KPO Korea MSZT Hungary Kemko AS Norway NSAI Ireland
PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia BIRIM QAS International Malaysia SQS Switzerland
SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



CERTIFICATE



This is to certify that

Sigma India Liaison Office

20 A&B, GKD Nagar
Papanaiickenpalayam
Coimbatore – 641 037
Tamil Nadu
INDIA

has implemented and maintains a **Quality Management System**.

Scope:

Provision of Engineering Services such as Computer Aided Design (CAD),
Engineering Drawings and Solid Modelling as per the requirement of Sigma Corporation.
Provision of Supply Chain Management Services such as Vendor Audit, Development and
Product Inspection & approval activities.

Through an audit, documented in a report, it was verified that the management system
fulfills the requirements of the following standard:

ISO 9001 : 2008

Certificate Registration No.	20002753 QM08
Original Certification Date	2006-06-07
Revision Date	2012-01-14
Date of Certification	2012-06-07
Valid until	2015-06-06

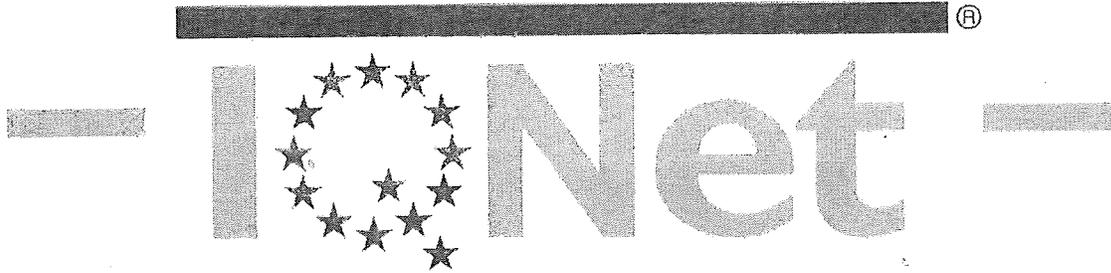


UL DQS Inc.

Ganesh Rao
President

Accredited Body: UL DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA





THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and CQM
hereby certify that the organization

Yingkou Economic Technological Development
Zone Xinpeng Fittings Co.,Ltd.

Certification Add.: Haidongmaquanzi, Bayuquan District, Yingkou City, Liaoning, P.R.China

Postcode.:115007

is in conformity with

ISO 9001:2008 Standard

This certificate is valid to the following product(s)/service:

Manufacturing of ductile iron pipe fittings

Issued on: 2012-02-24

Validity date: 2015-02-23

Registration Number: CN-00212Q10977R0M-2



Michael Drechsel
President of IQNet

Zhang Wei
President of CQM



IQNet Partners*:

AENOR Spain AFNOR Certification France AIB-Vinçotte International Belgium ANCI Mexico APCER Portugal CCC Cyprus
CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark
ELOT Greece FCAV Brazil FONDONORMA Venezuela KONTEC Colombia IMNC Mexico INNORPI Tunisia
Inspecta Certification Finland IRAM Argentina JQA Japan KIQ Korea MSZT Hungary Nemko AS Norway NSAI Ireland
PCBC Poland Quality Austria RR Russia SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland
SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

Certificate of Registration



global assurance

This is to certify that the Quality Management System of

Hebei Youlian Rubber Product Co., Ltd.

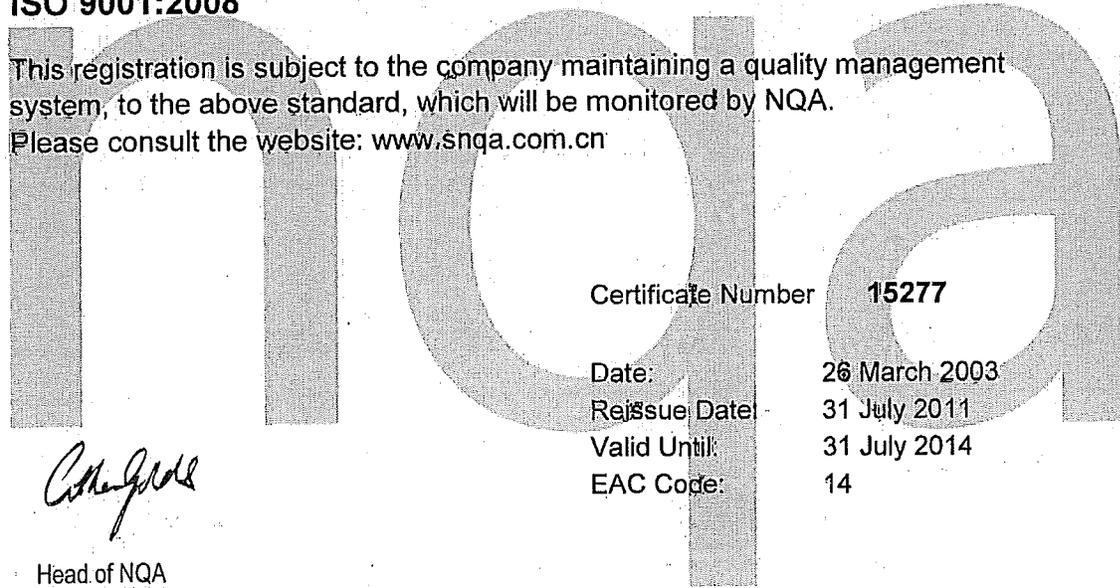
No.198 Fuqiang South Street, Zaoqiang County, Hebei Province, People's Republic of China

applicable to

Production, sale and service of joint sealing rings for water supply & sewage pipeline and fire pipeline (adopted ANSI/AWWA.C111/A21.11 standard)

has been assessed and registered by NQA against the provisions of **ISO 9001:2008**

This registration is subject to the company maintaining a quality management system, to the above standard, which will be monitored by NQA. Please consult the website: www.snqa.com.cn



Certificate Number **15277**

Date: **26 March 2003**

Reissue Date: **31 July 2011**

Valid Until: **31 July 2014**

EAC Code: **14**

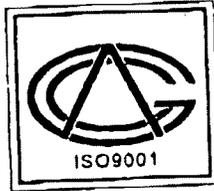
Head of NQA



015

The use of the UKAS Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 015 held by NQA.

NQA is a trading division of Ascortiva Group Ltd, Registration No.02513162. Registered Office: Watwick House, Houghton Hall Park, Houghton Regis, Dunstable, Bedfordshire, LU5 5ZX.



Guangdong Zhongjian Certification Co., Ltd.

CERTIFICATE OF CONFORMITY OF QUALITY MANAGEMENT SYSTEM CERTIFICATION

No: 00709Q11884R0S

This is to certify that the quality system of

XIAN COUNTY BINHE FOUNDRY CO., LTD.

GULI VILLAGE, GUOZHUANG TOWN, XIAN COUNTY, HEBEI PROVINCE

P.C. : 062254

is in conformity with

GB/T19001-2008 idt ISO9001:2008 Standard

This system is valid for the

PRODUCTION AND SERVICE OF DUCTILE IRON AND GRAY IRON CASTINGS

(FURTHER TO THE CERTIFICATION SCOPE AND EXCLUSION OF QUALITY MANAGEMENT SYSTEM GB/T19001-2008/ISO9001:2008 STANDARD, PLEASE ENQUIRE TO THE ORGANIZATION)

Date of issue: 2009-11-26

Term of validity of this certificate: from 2009-11-26 to 2012-11-25 inclusive

Approval of the first surveillance audit
Zhongjian Certification Co., Ltd.

Approval of the second surveillance audit
Zhongjian Certification Co., Ltd.

Approval of the third surveillance audit
Zhongjian Certification Co., Ltd.

Representative of The Company



MANAGEMENT SYSTEM
CNAS C007-Q



For further to the certificate applicability, please enquire to the organization, contact 020-87369002 or visit www.gzcc.org.cn for enquiry.
Address: (Flooring building, middle of Guangzhou Avenue, Guangzhou city, Guangdong province, 510401) Guangdong Zhongjian Certification Co., Ltd.