Agenda Item No: 12.A



### STAFF REPORT

**Report To:** Board of Supervisors **Meeting Date:** November 19, 2020

**Staff Contact:** Carol Akers and Rick Cooley, Operations Manager

**Agenda Title:** For Possible Action: Discussion and possible action regarding a determination that

Western Nevada Supply, Co. ("WNS") is the lowest responsive and responsible bidder (Contract File No. 20300164) pursuant to NRS Chapter 332, and authorization for the Director of the Carson City Department of Public Works ("Department") to purchase warehouse inventory parts on an as-needed basis for a not to exceed annual amount of \$250,000 through December 31, 2021, and authorization for the Public Works Director to renew the contract in 1 year increments for up to an additional 5 years, for up to \$250,000 each year and a total not to exceed amount of \$1,500,000. (Carol Akers,

CAkers@carson.org and Rick Cooley, RCooley@carson.org)

Staff Summary: WNS has provided parts, products, and materials each year to support the daily operations of the various divisions within the Department. This includes various appurtenances needed to maintain the utility systems as well parts and products to support maintenance activities within the Streets and Landfill divisions of the Department. The estimated costs for these purchases were approved as part of the Fiscal Year 2021 budget for the various divisions of the Department. Carson City accepted electronic bids for the water, wastewater, and stormwater utilities, and the streets and landfill inventory materials and parts. Only one bid, from Western Nevada Supply, was received in response to the notice to bidders. Staff is seeking authorization for the Public Works Director to extend the contract in 1 year increments for an additional 5 years through December 31, 2026, with a not to exceed annual amount of \$250,000 each year and a total

not to exceed amount of \$1,500,000.

Agenda Action: Formal Action / Motion Time Requested: 5 minutes

#### **Proposed Motion**

I move to approve the proposal as presented and authorize the Public Works Director to approve the purchases as needed and to renew the contract in 1 year increments for an additional 5 years.

#### **Board's Strategic Goal**

Efficient Government

#### **Previous Action**

none

#### Background/Issues & Analysis

The total amount was derived from looking at the City's history of yearly purchases on these items as well as planned upcoming projects. WNS held the previous contract which was awarded in December 2014 and will expire in November 2020. During this period WNS held its prices and was able to service the City's needs both

during normal business hours as well as after hours during emergency operations. The City spent on average less than \$250,000 each year on the previous contract.

The proposed contract is a 1 year contract, with the option to renew the contract in 1 year increments for an additional 5 years. The Carson City Public Works Department is requesting authorization for the Public Works Director to renew the contract each year with a not to exceed amount of \$250,000 each year for a total of \$1,500,000 over the course of 6 years.

NOTICE TO BIDDERS was published in the Reno Gazette Journal and posted on NGEM on September 10, 2020. One bid was opened at approximately 11:30 am on October 2, 2020, via online Cisco Webex bid opening. Present during the bid opening were; Rod Smith, WNS and Carol Akers, Carson City Purchasing and Contracts Administrator.

Proposals were received from one bidder. Staff recommends award to WNS as the lowest responsive and responsible bidder pursuant to NRS Chapter 332.

#### Applicable Statute, Code, Policy, Rule or Regulation

NRS Chapter 332

#### **Financial Information**

Is there a fiscal impact? Yes

If yes, account name/number: 5203502-500625 Water Utility Fund - Operating Supplies

5103201-500625 Wastewater Utility Fund - Operating Supplies

5053702-500625 Stormwater Utility Fund - Operating Supplies

2563038-500625 Street Maintenance Fund - Operating Supplies

1013904-500625 General Fund - Landfill Operating Supplies

#### Is it currently budgeted? Yes

**Explanation of Fiscal Impact:** Public Works will purchase these items on an as-needed basis for their inventory from the following Public Works Operating Supplies Accounts. The available Fiscal Year (FY) 2021 budget is as follows:

 5203502-500625 Water:
 \$90,000.00

 5103201-500625 Wastewater:
 \$98,000.00

 5053702-500625 Stormwater:
 \$25,000.00

 2563038-500625 Streets:
 \$35,000.00

 1013904-500625 Landfill:
 \$50,000.00

The budgets for FYs 2022 through 2027 may vary as approved by the Board of Supervisors.

#### **Alternatives**

Do not approve the award and provide alternative direction to staff.

#### Attachments:

Western Nevada Supply-Proposal.pdf

Board Action Taken:		
Motion:	1)	Aye/Nay
	2)	
	,	

(Vote Recorded By)

# CARSON CITY PURCHASING AND CONTRACTS 201 North Carson Street, Suite 2 Carson City, NV 89701 775-283-7362 / FAX 887-2286

http://www.carson.org/bids NOTICE TO BIDDERS

# REQUEST FOR BID #20300164 Warehouse Inventory Parts

RELEASE DATE: September 10, 2020

Carson City Purchasing and Contracts, on behalf of the Public Works Department, is accepting bids for water, sewer, storm drain, streets and landfill inventory material/parts and shall be submitted in accordance with the Documents and Requirements as set forth in the formal "Request for Bid."

<u>BIDS</u> must be submitted electronically via the online bidding system (NGEM). The link can be found through the Carson City's website <a href="http://www.carson.org/bids">http://www.carson.org/bids</a> by 11:00 a.m. on October 2, 2020. Bids received after the date and time set for receipt will not be accepted.

<u>ADDENDA:</u> All addenda can be found through the link on Carson City's website. It is each proposer's responsibility to ensure that they have received all addenda prior to submission of their proposal.

<u>BID OPENING AND ACKNOWLEDGMENT</u> will be held online via webex meeting at 11:30 a.m. on October 2, 2020, meeting information will be issued through an addendum. Bidders, their representatives, and all other interested persons may be present during the bid opening. A tabulation of the <u>BID RESPONSES</u> will be posted through the link on Carson City's website <a href="http://www.carson.org/bids">http://www.carson.org/bids</a> within 48 hours.

<u>AWARD RECOMMENDATION</u> will be made by the Carson City Purchasing and Contracts Department. You are encouraged to visit the City's website for that recommendation or contact Carol Akers at <u>CAkers@carson.org</u> for the recommendation.

<u>APPEAL BY UNSUCCESSFUL BIDDER</u> must be submitted in writing to Carson City Purchasing and Contracts Administrator within five (5) working days after the City makes a recommendation to award the contract and must be in compliance with Nevada Revised Statute (NRS) 332.

<u>AWARD</u> will be made by the Carson City Board of Supervisors and is tentatively scheduled for Thursday, November 19, 2020, and their decision is final. The Carson City Board of Supervisors meeting will be held in the Sierra Room of the Carson City Community Center, 851 E. William Street, Carson City, NV 89701 beginning at 8:30 a.m.

### SCOPE:

Carson City Purchasing and Contracts, on behalf of the Public Works Department, is accepting bids for water, sewer, storm drain, streets and landfill inventory material/parts.

Bids shall be based upon the information provided in this **REQUEST FOR BIDS.** 

### **GENERAL:**

These <u>SPECIFICATIONS</u> shall be considered as the minimum standard acceptable to Carson City. Any deviations, modifications, and/or alternates proposed to the <u>SPECIFICATIONS</u> shall be recorded on the <u>EXCEPTION SUMMARY</u>. Failure to do so may be justification for rejection of the <u>BID RESPONSE</u>. Bidder must indicate the line number corresponding to the item and a detailed description of the deviation, modification, and/or alternate. Failure to note deviations, modifications, and/or alternates on the <u>EXCEPTION SUMMARY</u> shall be interpreted to convey that Bidder will perform in the manner described and/or specified in the <u>SPECIFICATIONS</u>.

The use of the name of a manufacturer in the <u>SPECIFICATIONS</u> does not restrict Bidder to that manufacturer's product specifications, unless otherwise stated in this **REQUEST FOR BID**. The reference is used to indicate the principle specifications, operating characteristics, or quality of products which have been approved by Carson City as being acceptable for its use. Bids on equivalent products or other manufacturers will be considered provided they meet the principal operating and service quality requirements of the <u>SPECIFICATIONS</u> stated herein including qualitative/quantitative preferences. Carson City will be the sole judge on equivalent quality/quantity and specification allowances/tolerances. Bidder may be required to submit current detailed Product-Application Specifications and related literature, product UL Listing information, and other typical test data on the product(s). This information will be used for evaluation purposes.

Only new product(s) of current design and manufacture shall be proposed and accepted under this **REQUEST FOR BID**. Bidding of demonstrator or used product(s) shall be specifically prohibited. Product(s) and/or materials(s) furnished by Bidder having serious defects, corrosion, or scratches which tend to present an "other than new" appearance shall be promptly replaced or such defects promptly corrected by Bidder at no cost to Carson City. Should Carson City receive any product(s) and/or material(s) not conforming to the requirements of this **REQUEST FOR BID**, they shall be returned and replaced at Bidder's expense.

Technical specifications and literature illustrating Bidder's proposed product(s) shall be submitted and marked as **"Exhibit A"**. Failure to do so may be justification for rejection of the **BID RESPONSE**.

All product(s) and/or materials proposed and furnished must comply with the most current O.S.H.A., N.O.S.H.A., E.P.A., Federal, State, and local laws, regulations, ordinances, and/or statutes applicable thereto. See Attachment B.

A letter from the manufacturer certifying that Bidder is an authorized representative of the manufacturer for the product(s) and/or materials being proposed and that any warranty requirements provided for herein will be performed favorably in their behalf shall be submitted and marked as **"Exhibit B"**. Failure to do so may be justification for rejection of the **BID RESPONSE**.

### **TECHNICAL SPECIFICATIONS:**

All items will be ordered on an as-needed basis.

No guarantee is given that any specific quantities will be ordered.

All items bid shall meet the current "Carson City Standard Details for Public Works Construction" in addition to all other standard details listed.

"Carson City Standard Details for Public Works Construction" can be found on the Carson City website located <a href="https://www.carson.org/government/departments-a-f/community-development-engineering-division/details-for-public-works-construction">https://www.carson.org/government/departments-a-f/community-development-engineering-division/details-for-public-works-construction</a>.

All items shall conform to the American Water Works Association standards and all applicable ANSI, ASTM, MSS SP 60 standards.

### **CONTRACT TERM:**

This Contract shall not become effective until and unless approved by the Carson City Board of Supervisors.

The term of this Contract will be from December 1, 2020 through December 31, 2021.

Carson City shall reserve the right to renew this Contract for five (5) years, subject to negotiation.

Bidder shall guarantee the pricing through December 31, 2021.

### **ESCALATION AND DE-ESCALATION:**

Product(s) supplied pursuant to the provisions of this **REQUEST FOR BID** shall be subject to escalation and/or de-escalation of prices as indicated herein; (i.e., conditions brought

about due to market fluctuation may result in such changes). Escalation and/or deescalation shall be as set forth by the following provisions:

#### **Base Price:**

For purposes of this **REQUEST FOR BID** and bid / contract award, the base price shall be established by Bidder's **BID RESPONSE**. This price, once the **BID RESPONSE** is opened and bid / contract award made, shall not be changed except as provided by the conditions stipulated herein.

#### **De-escalation:**

Adjustments decreasing the "Base Price" shall be concurrent with Bidder's price from his supplier(s). Should Bidder have legal access to more than one supplier, he shall be aggressive in his endeavor to obtain the lowest responsive and responsible supplier capable of providing products that meet or exceed the requirements of this **REQUEST FOR BID**. Bidder shall promptly notify Carson City Purchasing and Contracts via e-mail of the adjusted price, product involved, and the date of effect.

#### **Escalation:**

Adjustments increasing the "Base Price" may be concurrent with Bidder's price from his supplier(s), provided Bidder can substantiate the necessity for such an adjustment, and that it is consistent with market conditions. Should Bidder have legal access to more than one supplier, he shall be aggressive in his endeavor to obtain the lowest responsive and responsible supplier capable of providing products that meet or exceed the requirements of this **REQUEST FOR BID**. Bidder shall promptly notify Carson City Purchasing and Contracts via e-mail of the adjusted price, product involved, and the date of effect. Notification shall be prior to the distribution of, or commitment to distribute, any product(s) affected by such an adjustment.

In the event, price adjustments are inconsistent with market conditions, and in the opinion of Carson City Purchasing and Contracts, the best interest of the Carson City, would be served by a re-bid to the competitive market, Carson City reserves the right to waive the notification requirements of this agreement and terminate the bid / contract award without regard to the thirty (30) day written notice. The method necessary for such notice of termination shall be at the discretion of Carson City Purchasing and Contracts.

### WARRANTIES AND GUARANTIES:

Bidder agrees that any warranty or guarantee provided Carson City shall not be considered as the exclusive remedy of Carson City for any default in any respect by Bidder, but such warranty or guarantee shall be considered to be in addition to any right or remedy allowed by this **REQUEST FOR BID**, law, equity, or statute.

Bidder warrants that all deliverables and work product under this **REQUEST FOR BID** shall be completed in a workmanlike manner consistent with standards in the trade, profession, or industry; shall conform to or exceed the **SPECIFICATIONS**; and shall be fit for ordinary use, of good quality, with no material defects. A copy of Bidder's warranty indicating the terms, conditions, and limitations shall be submitted and marked as **'EXHIBIT C"**. Warranty shall be specific as to whether or not this warranty is of a standard nature, or if it is being modified to meet or satisfy the requirements of this **REQUEST FOR BID**. Failure to do so may be justification for rejection of the **BID RESPONSE**.

Bidder guarantees that he will have full legal right of all processes, programs, methods, and techniques employed under the performance of this REQUEST FOR BID, and agrees to pay all rents, fees, and royalties of every description on any and all patents or patent rights, or copyrights, covering said processes, programs, methods, or techniques. Bidder guarantees to observe and comply with all federal, state, local, and municipal laws, ordinances, rules, and regulations in any way affecting this **REQUEST FOR BID**. Bidder guarantees to comply with all provisions of federal, state, and local regulations to ensure that no employee or applicant for employment is discriminated against because of race, religion, color, sex, sexual preference, marital status, age, handicap, or national origin. Bidder guarantees to be in compliance with Immigration and Naturalization Laws regarding eligibility of their employees or subcontractors to work in the United States. Bidder guarantees that any and all prices which he may charge under the terms of this **REQUEST FOR BID**, do not and will not, violate any existing federal, state, or municipal laws or regulations concerning price discrimination and/or price fixing. Bidder agrees to indemnify, exonerate, and hold Carson City harmless from liability for any such violation now and throughout the term of the bid / contract award.

### **DELIVERY SCHEDULE:**

Bidder shall provide delivery F.O.B. Carson City Public Works, 3303 Butti Way, Building 13, Carson City, Nevada C/O Tom Gordon, Warehouse Supply Coordinator.

Bidder shall delivery to Carson City not less than twice each working day Monday through Friday.

Delivery shall be within one (1) working day from date order is placed.

All prices shall be **F.O.B. Carson City.** No additional charges for freight, packaging, handling, insurance, etc., shall be allowed. Bidder shall be responsible for all shipping charges for items returned due to error and/or unacceptable condition.

At time of delivery, Bidder shall provide a delivery invoice or within 48 hours of delivery, Bidder shall email an invoice to Public Works Fiscal Analyst at <a href="mailto:cnicholas@carson.org">cnicholas@carson.org</a> which

Carson City will use for the purpose of paying Bidder. Bidder shall not mail a duplicate invoice unless specifically requested by Carson City.

### **DEFAULT OF CONTRACT:**

Should Bidder fail to deliver the product(s) and/or perform the service(s) bid in accordance with this **REQUEST FOR BID**, Carson City may declare Bidder in default of contract and recover all damages, costs and fees (including Attorney's fees) allowable by law.

In the event of default by Bidder, Carson City may, at its option, pursue one or all of the following alternatives including: procure the product(s) and/or service(s) from another source and hold the defaulting Bidder responsible for an excess cost occasioned thereby, assess a penalty of 5% of the total awarded bid amount, commence with Surety and/or Performance Bond proceedings, debar the defaulting Bidder for not less than one year, or pursue other applicable legal remedies.

If necessity requires the use of materials or supplies not conforming to the **SPECIFICATIONS**, they may be accepted and payment shall be made at a proper adjustment in price.

### **DEFAULT OF CONTRACT:**

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If necessity requires the use of materials or supplies not conforming to the **SPECIFICATIONS**, they may be accepted and payment shall be made at a proper adjustment in price.

\* \* \* END OF SPECIFICATIONS \* \* \*

These <u>TERMS & CONDITIONS</u> shall be considered as the minimum standard acceptable to Carson City. Any deviations, modifications, and/or alternates proposed to the <u>TERMS & CONDITIONS</u> shall be recorded on the <u>EXCEPTION SUMMARY</u>. Failure to do so may be justification for rejection of the <u>BID RESPONSE</u>. Bidder must indicate the line number corresponding to the item and a detailed description of the deviation, modification, and/or alternate. Failure to note deviations, modifications, and/or alternates on the <u>EXCEPTION SUMMARY</u> shall be interpreted to convey that Bidder will perform in the manner described and/or specified in the <u>TERMS & CONDITIONS</u>.

### **NOTICE OF RIGHTS:**

Carson City reserves the right to accept or reject any or all bids or portions thereof, received by reason of this **REQUEST FOR BID**.

Carson City shall not be liable for any costs incurred by Bidders prior to the bid / contract award by the Carson City Board of Supervisors.

Carson City reserves the right to waive any irregularities and/or informalities in the submitted **BID RESPONSE**. Should Carson City elect to waive a right it will not constitute an automatic waiver of that right in the future nor will it impact any other right or remedy.

Carson City reserves the right to accept or reject any or all deviations, modifications and/or alternates offered, based solely on the value of said deviations, modifications and/or alternates to Carson City.

Carson City reserves the right to require such surety as may be deemed necessary for the protection of Carson City or to ensure the satisfactory performance of Bidder in accordance with this **REQUEST FOR BID**.

Carson City reserves the right to withhold bid / contract award for a period of sixty (60) calendar days from the date set for **BID OPENING AND ACKNOWLEDGMENT** which is indicated on page one of this **REQUEST FOR BID**.

Carson City reserves the right to award in whole or in part, by item, group of items, or by section where such action would serve Carson City's best interest. However, Bidder may record in the **EXCEPTION SUMMARY** that his **BID RESPONSE** must be awarded by Carson City on the basis of "ALL OR NOTHING".

Carson City reserves the right to issue a Contract or Purchase Order document without further discussion or negotiations with Bidder provided the bid / contract award is made within sixty (60) calendar days from the date set for **BID OPENING AND ACKNOWLEDGMENT** which is indicated on page one of this **REQUEST FOR BID**.

Carson City reserves the right to require Bidder to provide an on-site demonstration at no cost to Carson City.

#### **SALES/USE TAX EXEMPT STATUS:**

Pursuant to Nevada Revised Statute 372.325 and related statutes, CARSON CITY CONSOLIDATED MUNICIPALITY has been granted sales/use tax exempt status. Direct purchase of tangible personal property made by CARSON CITY CONSOLIDATED MUNICIPALITY is exempt from sales/use tax.

### **JOINDER OR MUTUAL USE OF CONTRACT:**

Pursuant to Nevada Revised Statute 332.195 (1), local governments and the State of Nevada may join or use the contracts of local governments located within or outside this State with the authorization of the contracting vendor. Carson City is not liable for the obligations of the governmental entity which joins or uses this Contract. Carson City shall be held harmless in any and all transactions between the successful bidder and other participating governmental entities.

### **QUESTIONS:**

All questions must be directed, in writing via e-mail, to Carol Akers, Purchasing and Contracts Administrator, <a href="Mailto:CAkers@carson.org">CAkers@carson.org</a> at least four (4) working days prior to the date set for BID OPENING AND ACKNOWLEDGMENT which is indicated on page one of this REQUEST FOR BID.

You must indicate that these questions pertain to **REQUEST FOR BID** #20300164. You must indicate what line number(s) your question(s) references. You must provide a contact person, their title and their e-mail address.

Questions and answers will be posted through the link on Carson City's website <a href="http://www.carson.org/bids">http://www.carson.org/bids</a> at least two (2) working days prior to the date set for BID OPENING AND ACKNOWLEDGMENT which is indicated on page one of this REQUEST FOR BID.

Any communication with other Carson City personnel regarding this **REQUEST FOR BID** may result in the rejection of your firm's **BID RESPONSE**.

#### **REQUEST FOR BID ERRORS:**

Bidders shall notify Carol Akers, Purchasing and Contracts Administrator, in writing via email, of any perceived conflicts, errors, or discrepancies in this **REQUEST FOR BID** as soon as possible so that corrective addenda may be furnished to all Bidders. Any addenda issued prior to the date and time set for the receipt of **SEALED BIDS** which is indicated on page one of this **REQUEST FOR BID** shall be made part of this **REQUEST FOR BID**.

All addenda must be signed, placed in date and time order, submitted, and marked as **"EXHIBIT D"**. Failure to do so may be justification for rejection of the **BID RESPONSE**.

All addenda can be found through the link on Carson City's website <a href="http://www.carson.org/bids">http://www.carson.org/bids</a>. It is each Bidder's responsibility to ensure that they have received all addenda prior to submission of their sealed bid.

### **TELEPHONE:**

Bidder shall maintain telephone service such that Carson City may contact or leave a message for Bidder at any time. Bidder shall provide advance notice to Carson City Purchasing and Contracts of any change in telephone number.

### **BID RESPONSE, CONTRACT, AND DISPOSITION:**

The contents of the <u>BID RESPONSE</u> including all **EXHIBITS** submitted by Bidder and accepted by Carson City shall become part of the contractual obligation and incorporated by reference into any ensuing Contract. All bids shall become the property of Carson City and shall not be returned to Bidder. Any information submitted in the <u>BID RESPONSE</u> that Bidder desires to be held proprietary shall be labeled as such. Carson City Purchasing and Contracts shall make the final determination regarding which information, if any, shall be held proprietary pursuant to Nevada Revised Statutes 332.025 and 332.061.

### **PREPARATION OF BID RESPONSE:**

#### **LINE ITEMS in NGEM**

Responses shall be submitted on-line using NGEM. All line item description and information are in the NGEM system under the "<u>LINE ITEMS</u>" tab. You can obtain help by clicking on "Help" in the upper right corner of the NGEM website page for Supplier Tutorials on how to respond to a Bid and how to retract a response.

If you need additional help on your submission, you may call the Purchasing Department at (775) 283-7362.

<u>BID RESPONSE</u> pages 29-36 supplied by Carson City Purchasing and Contracts in accordance with this **REQUEST FOR BID**. All expenses incurred as a result of <u>BID</u> <u>RESPONSE</u> preparation shall be the responsibility of Bidder and shall not be chargeable to Carson City.

In the upper right-hand corner of the <u>BID RESPONSE</u> including all exhibits, Bidder shall initial and date each page. Failure to do so may be justification for rejection of the BID RESPONSE

Bidder shall respond to each item listed on the <u>BID RESPONSE</u>. If additional space is required to respond to an item, Bidder shall indicate on company letterhead the item number as well as the additional information to be provided and mark as "Exhibit E". Supplemental materials may be provided and shall be marked as "Exhibit F". All the blank spaces shall be completed.

Bidders are expected to examine all documents of this **REQUEST FOR BID**. Failure to do so will be at Bidder's risk

Bidders are urged to proofread their **<u>BID RESPONSE</u>** carefully for any errors. Failure to do so will be at Bidder's risk.

The <u>BID RESPONSE</u> shall contain signatures where required. Signatures shall be signed in longhand by an individual duly authorized to commit Bidder. An unsigned <u>BID</u> <u>RESPONSE</u> may be disqualified.

Order of Documents to be uploaded under "Response Attachments" tab in NGEM: Bidder may merge BID RESPONSE and all Exhibits into one (1) pdf document or upload each BID REPONSE and Exhibits individually.

The items shall be placed in the following order. Bids may be disqualified from further consideration if Bidder does not conform to this requirement.

#### 1st - BID RESPONSE pages 29-36

- **2<sup>nd</sup>** "Exhibit A" Technical Specifications and literature illustrating Bidder's proposed product(s).
- **3rd** "Exhibit B" A letter from the manufacturer certifying that Bidder is an authorized representative of the manufacturer for the product(s) being proposed and that any warranty requirements provided for herein will be performed favorably in their behalf.
- **4**<sup>th</sup> "Exhibit C" A copy of Bidder's warranty, indicating the terms, conditions, and limitations of said warranty.

- **5**<sup>th</sup>  **"Exhibit D"** All addenda must be signed and placed in date and time order.
- 6th "Exhibit E" BID RESPONSE additional space on company letterhead, if needed.
- **7**<sup>th</sup> "Exhibit F"- Supplemental materials, if needed.
- 8<sup>th</sup> "Exhibit G" EXCEPTION SUMMARY additional space on company letterhead, if needed.

### **MODIFICATION OF BIDS:**

Bids may be modified by retracting and modifying the bid through the NGEM portal any time prior to the date and time set for receipt of **SEALED BIDS** which is indicated on page one of this **REQUEST FOR BID**. Notice of modification by telephone, facsimile, or email will not be accepted and will be disregarded if received. Notice of modification received after the date and time set for receipt of **SEALED BIDS** will not be considered.

### **WITHDRAWAL OF BIDS:**

Bids may be withdrawn without penalty by retracting the bid through the NGEM portal any time prior to the date and time set for receipt of **SEALED BIDS** which is indicated on page one of this **REQUEST FOR BID**.

### **BID EVALUATION:**

The evaluation of bids and the determination as to the quality of the product(s) and/or service(s) offered shall be the responsibility of Carson City and will be based on information furnished by Bidder as well as other information obtained. Responses to this **REQUEST FOR BID** will be the primary source of information used in the evaluation process.

Carson City reserves the right to perform an investigation to determine the ability of Bidder to perform in accordance with the provisions of this **REQUEST FOR BID**. Carson City may contact any current users of a Bidder's product(s) and/or service(s); solicit information from any available source concerning any aspect of the bid; and seek and review any other information it deems pertinent to the evaluation process.

Carson City reserves the right to meet with bidders to discuss or clarify their <u>BID</u> <u>RESPONSES</u>, to request additional information, and to allow corrections of errors or omissions. All expenses incurred as a result of said meeting shall be the responsibility of Bidder and shall not be chargeable to Carson City.

Deviations, modifications, and/or alternates to this **REQUEST FOR BID** shall be given

consideration in the evaluation process, provided each deviation, modification and/or alternate shall be recorded on the **EXCEPTION SUMMARY**.

The following categories will be evaluated in the selection process:

- Quality of the product(s) or service(s)
- Delivery Schedule
- Warehouse/Store Location

#### COLLUSION:

Pursuant to Nevada Revised Statute 332.820 (1), any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition by agreement to bid a fixed price, or otherwise, shall render the bids of such bidders void.

### **ADVANCE DISCLOSURES:**

Pursuant to Nevada Revised Statute 332.820 (2), advance disclosures of proprietary information or any other information to any particular bidder which would give that particular bidder any advantage over any other interested bidder in advance of the opening of bids, whether in response to advertising or an informal request for bids, made or permitted by a member of the governing body or an employee or representative thereof, shall operate to void all bids received in response to that particular request for bids.

### **REJECTION OF BID:**

Pursuant to Nevada Revised Statute 332.075, any or all bids received in response to a request for bids may be rejected by the governing body or its authorized representative if such governing body or its authorized representative determines that any such bidder is not responsive or responsible or that the quality of the services, supplies, materials, equipment or labor offered does not conform to requirements or if the public interest would be served by such a rejection.

### **AWARD OF CONTRACT:**

Carson City will award the bid / contract to the lowest responsive and responsible bidder(s), as determined by Carson City pursuant to the provisions of Chapter 332 of the Nevada Revised Statutes.

Pursuant to Nevada Revised Statute 332.065 (1), the lowest responsive and responsible may be judged on the basis of (a) Price; (b) Conformance to the specifications; (c) Qualifications, (d) Past performance; (e) Performance or delivery date; (f) Quality and utility of services, supplies, materials, or equipment offered and the adaptability of those services,

supplies, materials or equipment to the required purpose of the contract; (g) The best interest of the public; and (h) Such other criteria as may be set forth by the governing body or its authorized representative in the advertisement or request for bids, as applicable, that pertains to the contract.

Pursuant to Nevada Revised Statute 332.065 (2), the governing body or its authorized representative (a) shall give preference to recycled products if: (1) The product meets the applicable standards; (2) The product can be substituted for a comparable nonrecycled product; and (3) The product costs no more than a comparable nonrecycled product.

Pursuant to Nevada Revised Statute 332.085, in determining the responsibility of any bidder, the governing body or its authorized representative shall consider the possession of and limit on any required license of the bidder; and may consider the financial responsibility of the bidder; experience of the bidder; adequacy of the equipment of the bidder; past performance of the bidder; performance or delivery date; and ability of the bidder to perform the contract.

Prompt payment discounts will be considered in bid / contract award recommendation only if discount period is fifteen (15) or more calendar days. Discount period will be computed from the date Carson City acknowledges that the delivery and/or performance meets the requirements of this **REQUEST FOR BID** or from the date the correct invoice is received by the appropriate Carson City department/division accounts payable clerk, whichever is the latter date. Payment is deemed to be made on the date payment is mailed to Bidder.

Should identical low, responsive and responsible bids be received from two (2) or more Bidders; the Purchasing and Contracts Administrator, shall notify all parties involved in the tie and may, at her option, exercise one of the following tie breaking methods unless another alternative is apparent and prudent: (1) Tie Bid (two vendors): The Purchasing and Contracts Administrator, with a witness present, may flip a coin with heads representing Bidder whose tie bid was first received by Carson City. If the toss is heads, the recommendation will be to this Bidder; if tails, the recommendation will be made in favor of the second tied Bidder. (2) Tie Bid (two or more vendors): Should there be two or more low, responsive and responsible tie bids where representatives of Bidders wish to participate in the tie breaking process, the Purchasing and Contracts Administrator shall set a mutually agreed upon time where, in her office, she shall shuffle a new deck of playing cards and have each Bidder's representative cut the cards. The tie Bidder who cuts the highest card (with Ace high) shall be recommended for bid / contract award.

A Purchase Order or Contract mailed or otherwise furnished by Carson City Purchasing and Contracts to Bidder is a binding contract without further action by either party.

Pursuant to Nevada Revised Statute 332.095, no contract awarded may be assigned to

any other person without the consent of the governing body or its authorized representative. No contract awarded or any portion thereof may be assigned to any person who was declared by the governing body or its authorized representative not to be a responsible person to perform the particular contract.

Bidders will receive written notification of the Bidder(s) who has been recommended to be awarded this **REQUEST FOR BID**.

Pursuant to Nevada Revised Statute 332.065 (3), if after the lowest responsive and responsible bidder has been awarded the contract, during the term of the contract he does not supply goods or services in accordance with the bid specifications, or if he repudiates the contract, the governing body or its authorized representative may reaward the contract to the next lowest responsive and responsible bidder without requiring that new bids be submitted. Reawarding the contract to the next lowest responsive and responsible bidder is not a waiver of any liability of the initial bidder awarded the contract.

### APPEAL BY UNSUCCESSFUL BIDDER:

Pursuant to Nevada Revised Statute 332.068, a person who submits a bid on a contract that is required to be advertised pursuant to paragraph (a) subsection 1 of Nevada Revised Statute 332.039 may, after the bids are opened and within the period specified by the governing body or its authorized representative, file with the governing body or its authorized representative a notice of protest regarding the awarding of the contract.

Should an unsuccessful Bidder choose to appeal the recommendation, Bidder shall do so by providing a notice of protest which must include a written statement setting forth with specificity the reasons the person filing the notice believes the applicable provisions of law were violated to the Purchasing and Contracts Administrator, within five (5) working days after the City makes a recommendation to award the contract.

A person filing a notice of protest may be required by the governing body or its authorized representative, at the time the notice of protest is filed, to post a bond with a good and solvent surety authorized to do business in this State or submit other security, in a form approved by the governing body or its authorized representative, to the governing body or its authorized representative who shall hold the bond or other security until a determination is made on the protest. A bond posted or other security submitted with a notice of protest must be in an amount equal to the lesser of: Twenty-Five percent (25%) of the total value of the bid submitted by the person filing the notice of protest; or Two Hundred Fifty Thousand Dollars (\$250,000.00).

A notice of protest filed in accordance with the provisions of this section operates as a stay of action in relation to the awarding of any contract until a determination is made by the governing body or its authorized representative on the protest.

A person who submits an unsuccessful bid may not seek any type of judicial intervention until the governing body or its authorized representative has made a determination on the protest and awarded the contract.

A governing body or its authorized representative is not liable for any costs, expenses, attorney's fees, loss of income or other damages sustained by a person who submits a bid, whether or not the person files a notice of protest pursuant to this section.

If the protest is upheld, the bond posted or other security submitted with the notice of protest must be returned to the person who posted the bond or submitted the security. If the protest is rejected, a claim may be made against the bond or other security by the governing body or its authorized representative in an amount equal to the expenses incurred by the governing body or its authorized representative because of the unsuccessful protest. Any money remaining after the claim has been satisfied must be returned to the person who posted the bond or submitted the security.

No protest shall be considered unless these procedures have been followed.

#### TIMELINESS OF BILLING SUBMISSION:

The parties agree that timeliness of billing is of the essence to the bid / contract award and recognize that Carson City is on a fiscal year which is defined as the period beginning July 1 and ending June 30 of the following year. All billings for dates of service prior to July 1 must be submitted to Carson City no later than the first Friday in August of the same year. Any billing submitted after the first Friday in August will subject Bidder to an administrative fee not to exceed \$100.00. The parties hereby agree this is a reasonable estimate of the additional costs to Carson City of processing the billing as a stale claim and that this amount will be deducted from the stale claim payment due to Bidder.

### PAYMENT:

Carson City agrees to provide payment to Bidder within thirty (30) calendar days from the date Carson City acknowledges that the delivery and/or performance meets the requirements of this **REQUEST FOR BID** or from the date the correct, complete, and descriptive invoice in the awarded amount is received by the appropriate Carson City department/division accounts payable clerk, whichever is the latter date.

Discount period will be computed from the date Carson City acknowledges that the delivery and/or performance meets the requirements of this **REQUEST FOR BID** or from the date the correct, complete, and descriptive invoice is received by the appropriate Carson City department/division accounts payable clerk, whichever is the latter date. Payment is

deemed to be made on the date payment is mailed to Bidder.

### **PRICE REDUCTIONS:**

In the event that during the term of the bid / contract award Bidder shall reduce any or all prices charged to any or all customers other than Carson City for the same product(s) and/or service(s) of the equivalent quantity, quality, delivery, performance and warranty, as said product(s) and/or service(s) specified herein, Bidder shall make an equivalent reduction for Carson City.

#### **LIQUIDATED DAMAGES:**

Liquidated damages shall not cover or preclude Carson City from claiming and collecting damages on account of delay, price changes, loss of other contracts, loss of income, and the inability of Carson City to fulfill other damages direct or consequential arising out of the failure of Bidder to perform under the terms, conditions and requirements of this **REQUEST FOR BID** 

#### NOTICE:

All notices or other communications required or permitted to be given under this **REQUEST FOR BID** shall be in writing and shall be deemed to have been duly given if delivered personally in hand, by e-mail with simultaneous regular mail, by telephonic facsimile with simultaneous regular mail, or by certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other party at the address specified below.

Notice to Bidder shall be addressed to the contact person listed in **BIDDER INFORMATION**.

Notice to Carson City shall be addressed to:

Carson City-Executive Office
Purchasing and Contracts Department
Carol Akers, Purchasing and Contracts Administrator
201 North Carson Street Suite 2
Carson City, NV 89701
775-283-7362 / FAX 887-2286
CAkers@carson.org

### **CONTRACT TERMINATION:**

#### **Termination Without Cause:**

Any discretionary or vested right of renewal notwithstanding, this **REQUEST FOR BID** may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.

#### **Termination for Nonappropriation:**

Nevada Revised Statute 360.800 (1) (a) provides for the termination if the governing body fails to appropriate money for the ensuing fiscal year for payment of the amounts then due. Carson City may terminate this Contract, and Bidder waives any and all claim(s) for damages, effective immediately upon receipt of written notice (or any date specified therein) if for any reason the funding is not appropriated or is withdrawn, limited, or impaired.

#### **Cause Termination for Default or Breach:**

A default or breach may be declared with or without termination. This bid / contract award may be terminated by either party upon thirty (30) calendar days written notice of default or breach to the other party as follows: (1) If Bidder fails to provide or satisfactorily perform any of the conditions, work, deliverables, goods, or services called for by this **REQUEST** FOR BID within the time requirements specified in this REQUEST FOR BID or within any granted extension of those time requirements; or (2) If any state, county, city or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by Bidder to provide the goods or services required by this **REQUEST FOR BID** is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or (3) If Bidder becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or (4) If Carson City materially breaches any material duty under this **REQUEST FOR BID** and any such breach impairs Bidder's ability to perform; or (5) If it is found by Carson City that any quid pro quo or gratuities in the form of money, services, entertainment, gifts, or otherwise were offered or given by Bidder, or any agent or representative of Bidder, to any officer or employee of Carson City with a view toward securing a contract or securing favorable treatment with respect to awarding, extending, amending, or making any determination with respect to the performing of such contract; or (6) If it is found by Carson City that Bidder has failed to disclose any material conflict of interest relative to the performance of this **REQUEST FOR BID**.

#### **Time to Correct:**

Termination upon a declared default or breach may be exercised only after service of formal thirty (30) calendar days written notice, and the subsequent failure of the defaulting party within fifteen (15) calendar days of that notice to provide evidence, satisfactory to the aggrieved party, showing that the declared default or breach has been corrected.

#### Winding Up Affairs Upon Termination:

In the event of termination of this bid / contract award for any reason, the parties agree that the provisions of this paragraph survive termination: (1) the parties shall account for and properly present to each other all claims for fees and expenses and pay those which are undisputed and otherwise not subject to set off under this bid / contract award. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination; (2) Bidder shall satisfactorily complete work in progress at the agreed rate (or a pro rata basis if necessary) if so requested by Carson City; (3) Bidder shall execute any documents and take any actions necessary to effectuate an assignment of this bid / contract award if so requested by Carson City; (4) Bidder shall preserve, protect, and promptly deliver into Carson City's possession all proprietary information in accordance with **Carson City Ownership of Proprietary Information**.

### REMEDIES:

Except as otherwise provided for by law or this **REQUEST FOR BID**, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including, without limitation, actual damages, and to a prevailing party reasonable attorneys' fees and costs. The parties agree that, in the event a lawsuit is filed and a party is awarded attorney's fees by the court, for any reason, the amount of recoverable attorney's fees shall not exceed the rate of \$125 per hour. Carson City may set off consideration against any unpaid obligation of Bidder to Carson City.

#### **LIMITED LIABILITY:**

Carson City will not waive and intends to assert available Nevada Revised Statutes Chapter 41 liability limitations in all cases. Contract liability of both parties shall not be subject to punitive damages. Liquidated damages shall not apply unless otherwise specified in the incorporated attachments. Damages for any Carson City breach shall never exceed the amount of funds appropriated for payment under this **REQUEST FOR BID**, but not yet paid to Bidder, for the fiscal year budget in existence at the time of the breach.

Bidder's tort liability shall not be limited.

### **FORCE MAJEURE:**

Neither party shall be deemed to be in violation of this **REQUEST FOR BID** if it is prevented from performing any of its obligations hereunder due to strikes, failure of public transportation, civil or military authority, act of public enemy, accidents, fires, explosions, or acts of God, including, without limitation, earthquakes, floods, winds, or storms. In such an event the intervening cause must not be through the fault of the party asserting such an excuse, and the excused party is obligated to promptly perform in accordance with the terms of the bid / contract award after the intervening cause ceases.

#### **INDEMNIFICATION:**

To the extent permitted by law, including, but not limited to, the provisions of Nevada Revised Statutes Chapter 41, each party shall indemnify, hold harmless and defend, not excluding the other's right to participate, the other party from and against all liability, claims, actions, damages, losses, and expenses, including but not limited to reasonable attorney's fees and costs, arising out of any alleged negligent or willful acts or omissions of the indemnifying party, its officers, employees and agents. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of the indemnity which would otherwise exist as to any party or person described in this paragraph.

Except as otherwise provided below, the indemnifying party shall not be obligated to provide a legal defense to the indemnified party, nor reimburse the indemnified party for the same, for any period occurring before the indemnified party provides written notice of the pending claim(s) or cause(s) of action to the indemnifying party, along with: a written request for a legal defense for such pending claim(s) or cause(s) of action; and a detailed explanation of the basis upon which the indemnified party believes that the claim or cause of action asserted against the indemnified party implicates the culpable conduct of the indemnifying party, its officers, employees, and/or agents.

After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall not be obligated to fund or reimburse any fees or costs provided by any additional counsel for the indemnified party, including counsel through which the indemnified party might voluntarily choose to participate in its defense of the same matter.

After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall be obligated to reimburse the reasonable attorney's fees and costs incurred by the indemnified party during the initial thirty (30) day period of the claim or cause of action, if any, incurred by separate counsel.

#### INDEPENDENT CONTRACTOR:

An independent contractor is a natural person, firm or corporation who agrees to perform services for a fixed price according to his or its own methods and without subjection to the supervision or control of the other contracting party, except as to the results of the work, and not as to the means by which the services are accomplished.

It is mutually agreed that Bidder is associated with Carson City only for the purposes and to the extent specified in this **REQUEST FOR BID**, and in respect to performance of the contracted services pursuant to this **REQUEST FOR BID**. Bidder is and shall be an independent contractor and, subject only to the terms of this **REQUEST FOR BID**, shall have the sole right to supervise, manage, operate, control, and direct performance of the details incident to its duties under this **REQUEST FOR BID**.

Nothing contained in this **REQUEST FOR BID** shall be deemed or construed to create a partnership or joint venture, to create relationships of an employer-employee or principalagent, or to otherwise create any liability for Carson City whatsoever with respect to the indebtedness, liabilities, and obligations of Bidder or any other party.

Bidder shall indemnify and hold Carson City harmless from, and defend Carson City against, any and all losses, damages, claims, costs, penalties, liabilities, expenses arising out of or incurred in any way because of, but not limited to, Bidder's obligations or legal duties regarding any taxes, fees, assessments, benefits, entitlements, notice of benefits, employee's eligibility to work, to any third party, subcontractor, employee, state, local or federal governmental entity.

Neither Bidder nor its employees, agents, or representatives shall be considered employees, agents, or representatives of Carson City.

### **INSURANCE REQUIREMENTS:**

Unless expressly waived in writing by Carson City, Bidder, as an independent contractor and not an employee of Carson City, must carry policies of insurance in amounts specified and pay all taxes and fees incident hereunto. Carson City shall have no liability except as specifically provided in the **REQUEST FOR BID**. Bidder shall not commence work before: (1) Bidder has provided the required evidence of insurance to Carson City Purchasing and Contracts, and (2) Carson City has approved the insurance policies provided by Bidder.

Prior approval of the insurance policies by Carson City shall be a condition precedent to any payment of consideration under this **REQUEST FOR BID** and Carson City's

approval of any changes to insurance coverage during the course of performance shall constitute an ongoing condition subsequent this **REQUEST FOR BID**. Any failure of the Carson City to timely approve shall not constitute a waiver of the condition.

#### **Insurance Coverage:**

Bidder shall, at Bidder's sole expense, procure, maintain and keep in force for the duration of the **REQUEST FOR BID** the following insurance conforming to the minimum requirements specified below. Unless specifically specified herein or otherwise agreed to by Carson City, the required insurance shall be in effect prior to the commencement of work by Bidder and shall continue in force as appropriate until the latter of: (1) Final acceptance by Carson City of the completion of this **REQUEST FOR BID**; or (2) Such time as the insurance is no longer required by Carson City under the terms of this **REQUEST FOR BID**.

Any insurance or self-insurance available to Carson City shall be in excess of and non-contributing with any insurance required from Bidder. Bidder's insurance policies shall apply on a primary basis. Until such time as the insurance is no longer required by Carson City, Bidder shall provide Carson City with renewal or replacement evidence of insurance no less than thirty (30) calendar days before the expiration or replacement of the required insurance. If at any time during the period when insurance is required by the **REQUEST FOR BID**, an insurer or surety shall fail to comply with the requirements of this **REQUEST FOR BID**, as soon as Bidder has knowledge of any such failure, Bidder shall immediately notify Carson City and immediately replace such insurance or bond with an insurer meeting the requirements.

#### **General Requirements:**

**Certificate Holder:** Each liability insurance policy shall list Carson City c/o Carson City Purchasing and Contracts, 201 N. Carson Street Suite 2, Carson City, NV 89701 as a certificate holder.

**Additional Insured:** By endorsement to the general liability insurance policy evidenced by Bidder, The City and County of Carson City, Nevada, its officers, employees and immune contractors shall be named as additional insureds for all liability arising from the **REQUEST FOR BID**.

**Waiver of Subrogation:** Each liability insurance policy shall provide for a waiver of subrogation as to additional insureds.

**Cross-Liability:** All required liability policies shall provide cross-liability coverage as would be achieved under the standard ISO separation of insureds clause.

**Deductibles and Self-Insured Retentions:** Insurance maintained by Bidder shall apply on a first dollar basis without application of a deductible or self-insured retention unless otherwise specifically agreed to by Carson City. Such approval shall not relieve Bidder **OR** from the obligation to pay any deductible or self-insured retention. Any deductible or self-insured retention shall not exceed \$5,000 per occurrence, unless otherwise approved by Carson City.

**Policy Cancellation:** Except for ten (10) calendar days notice for non-payment of premium, each insurance policy shall be endorsed to state that; without thirty (30) calendar days prior written notice to Carson City Purchasing and Contracts, the policy shall not be canceled, non-renewed or coverage and /or limits reduced or materially altered, and shall provide that notices required by this paragraph shall be sent by certified mail to the address shown.

**Approved Insurer:** Each insurance policy shall be: (1) Issued by insurance companies authorized to do business in the State of Nevada or eligible surplus lines insurers acceptable to the State and having agents in Nevada upon whom service of process may be made, and (2) currently rated by A.M. Best as AA-VII@ or better.

**Evidence of Insurance:** Prior to commencement of work, Bidder must provide the following documents to Carson City Purchasing and Contracts, 201 North Carson Street Suite 2, Carson City, NV 89701: (1) Certificate of Insurance: The Acord 25 Certificate of Insurance form or a form substantially similar must be submitted to Carson City Purchasing and Contracts to evidence the insurance policies and coverages required of Bidder. (2) Additional Insured Endorsement: An Additional Insured Endorsement (CG20 10 or C20 26), signed by an authorized insurance company representative, must be submitted to Carson City Purchasing and Contracts to evidence the endorsement of Carson City as an additional insured. (3) Schedule of Underlying Insurance Policies: If Umbrella or Excess policy is evidenced to comply with minimum limits, a copy of the Underlyer Schedule from the Umbrella or Excess insurance policy may be required.

Review and Approval: Documents specified above must be submitted for review and approval by Carson City Purchasing and Contracts prior to the commencement of work by Bidder. Neither approval by Carson City nor failure to disapprove the insurance furnished by Bidder shall relieve Bidder of Bidder's full responsibility to provide the insurance required by this REQUEST FOR BID. Compliance with the insurance requirements of this REQUEST FOR BID shall not limit the liability of Bidder or its sub-contractors, employees or agents to Carson City or others, and shall be in addition to and not in lieu of any other remedy available to Carson City under this REQUEST FOR BID or otherwise. Carson City reserves the right to request and review a copy of any required insurance policy or endorsement to assure compliance with these requirements.

### **COMMERCIAL GENERAL LIABILITY INSURANCE:**

Minimum Limits required:

Two Million Dollars (\$2,000,000.00) - General Aggregate

Two Million Dollars (\$2,000,000.00) - Products & Completed Operations Aggregate

One Million Dollars (\$1,000,000.00) - Each Occurrence

Coverage shall be on an occurrence basis and shall be at least as broad as ISO 1996 form CG 00 01 (or a substitute form providing equivalent coverage); and shall cover liability arising from premises, operations, independent contractors, completed operations, personal injury, products, civil lawsuits, Title VII actions and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

#### **BUSINESS AUTOMOBILE LIABILITY INSURANCE:**

Minimum Limit required:

One Million Dollars (\$1,000,000) per occurrence for bodily injury and property damage

Coverage shall be for "any auto", including owned, non-owned and hired vehicles. The policy shall be written on ISO form CA 00 01 or a substitute providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage.

### WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE:

Bidder shall provide workers' compensation insurance as required by Nevada Revised Statutes Chapters 616A through 616D inclusive and Employer's Liability insurance with a minimum limit of \$500,000 each employee per accident for bodily injury by accident or disease.

Bidder may, in lieu of furnishing a certificate of an insurer, provide an affidavit indicating that Bidder is a sole proprietor; that Bidder will not use the services of any employees in the performance of this **REQUEST FOR BID**; that Bidder has elected to not be included in the terms, conditions, and provisions of Nevada Revised Statutes Chapters 616A-616D, inclusive; and that Bidder is otherwise in compliance with the terms, conditions, and provisions of Nevada Revised Statutes Chapters 616A-616D, inclusive.

### **BUSINESS LICENSE:**

If required, Bidder shall not commence work before Bidder has provided a copy of his Carson City business license to Carson City Purchasing and Contracts.

The Carson City business license shall continue in force until the latter of: (1) final acceptance by Carson City of the completion of this **REQUEST FOR BID**; or (2) such time as the Carson City business license is no longer required by Carson City under the terms of this **REQUEST FOR BID**.

### **COMPLIANCE WITH LEGAL OBLIGATIONS:**

Bidder shall procure and maintain for the duration of this **REQUEST FOR BID** any state, county, city, or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by Bidder to provide the goods or services of this **REQUEST FOR BID**. Bidder will be responsible to pay all taxes, assessments, fees, premiums, permits, and licenses required by law. Real property and personal property taxes are the responsibility of Bidder in accordance with Nevada Revised Statutes 361.157 and 361.159. Bidder agrees to be responsible for payment of any such government obligations not paid by its subcontractors during performance of this **REQUEST FOR BID**. Carson City may set-off against consideration due any delinquent government obligation.

### **WAIVER OF BREACH:**

For BID or its material or nonmaterial terms by either party shall not operate as a waiver by such party of any of its rights or remedies as to any other breach.

### **SEVERABILITY:**

If any provision contained in this **REQUEST FOR BID** is held to be unenforceable by a court of law or equity, this **REQUEST FOR BID** shall be construed as if such provision did not exist and the nonenforceability of such provision shall not be held to render any other provision or provisions of this **REQUEST FOR BID** unenforceable.

### **ASSIGNMENT/DELEGATION:**

To the extent that any assignment of any right under this **REQUEST FOR BID** changes

the duty of either party, increases the burden or risk involved, impairs the chances of obtaining the performance of this **REQUEST FOR BID**, attempts to operate as a novation, or includes a waiver or abrogation of any defense to payment Carson City, such offending portion of the assignment shall be void, and shall be a breach of this **REQUEST FOR BID**. Bidder shall neither assign, transfer nor delegate any rights, obligations or duties under this **REQUEST FOR BID** without the prior written approval of Carson City.

### **CARSON CITY OWNERSHIP OF PROPRIETARY INFORMATION:**

Any files, reports, histories, studies, tests, manuals, instructions, photographs, negatives, blue prints, plans, maps, data, system designs, computer programs, computer codes, and computer records (which are intended to be consideration under the bid / contract award), or any other documents or drawings, prepared or in the course of preparation by Bidder (or its subcontractors) in performance of its obligations under this **REQUEST FOR BID** shall be the exclusive property of Carson City and all such materials shall be delivered into Carson City possession by Bidder upon completion, termination, or cancellation of this **REQUEST FOR BID**.

Bidder shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of Bidder's obligations under this **REQUEST FOR BID** without the prior written consent of Carson City. Notwithstanding the foregoing, Carson City shall have no proprietary interest in any materials licensed for use by Carson City that are subject to patent, trademark or copyright protection.

Carson City shall be permitted to retain copies, including reproducible copies, of Bidder's drawings, specifications, and other documents for information and reference in connection with this **REQUEST FOR BID**.

Bidder's drawings, specifications and other documents shall not be used by Carson City or others without expressed permission of Bidder.

### **PUBLIC RECORDS:**

Pursuant to Nevada Revised Statute 239.010, information or documents received from Bidder may be open to public inspection and copying. Carson City will have the duty to disclose unless a particular record is made confidential by law or a common law balancing of interests. Bidder may clearly label individual documents as a "trade secret" or "confidential" in accordance with Nevada Revised Statute 332.061, provided that Bidder thereby agrees to indemnify and defend Carson City for honoring such a designation. The failure to so label any document that is released by Carson City shall constitute a complete waiver of any and all claims for damages caused by any release of the records.

### **CONFIDENTIALITY:**

Bidder shall keep confidential all information, in whatever form, produced, prepared, observed or received by Bidder to the extent that such information is confidential by law or otherwise required by this **REQUEST FOR BID**.

### **FEDERAL FUNDING:**

In the event federal funds are used for payment of all or part of this **REQUEST FOR** BID: (1) Bidder certifies, by signing this REQUEST FOR BID, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency. (2) This certification is made pursuant to the regulations implementing Executive Order 12549, Debarment and Suspension, 28 C.F.R. pt. 67, § 67.510, as published as pt. VII of the May 26, 1988, Federal Register (pp. 19160-19211), and any relevant programspecific regulations. (3) This provision shall be required of every subcontractor receiving any payment in whole or in part from federal funds. (4) Bidder and its subcontractors shall comply with all terms, conditions, and requirements of the Americans with Disabilities Act of 1990 (P.L. 101-136), 42 U.S.C. 12101, as amended, and regulations adopted thereunder contained in 28 C.F.R. 26.101-36.999, inclusive, and any relevant program-specific regulations. (5) Bidder and its subcontractors shall comply with the requirements of the Civil Rights Act of 1964, as amended, the Rehabilitation Act of 1973, P.L. 93-112, as amended, and any relevant program-specific regulations, and shall not discriminate against any employee or offeror for employment because of race, national origin, creed, color, sex, religion, age, disability or handicap condition (including AIDS and AIDS-related conditions.)

### **LOBBYING:**

The parties agree, whether expressly prohibited by federal law, or otherwise, that no funding associated with this **REQUEST FOR BID** will be used for any purpose associated with or related to lobbying or influencing or attempting to lobby or influence for any purpose the following: (1) Any federal, state, county or local agency, legislature, commission, counsel or board; (2) Any federal, state, county or local legislator, commission member, counsel member, board member, or other elected official; or (3) Any officer or employee of any federal, state, county or local agency; legislature, commission, counsel or board.

### **GENERAL WARRANTY:**

Bidder warrants that all services, deliverables, and/or work product under this **REQUEST** 

**FOR BID** shall be completed in a workmanlike manner consistent with standards in the trade, profession, or industry; shall conform to or exceed the specifications as set forth in the incorporated attachments; and shall be fit for ordinary use, of good quality, with no material defects.

### PROPER AUTHORITY:

The parties hereto represent and warrant that the person executing this **REQUEST FOR BID** on behalf of each party has full power and authority to enter into this Contract. Bidder acknowledges that this bid / contract award is effective only after approval by the Carson City Board of Supervisors and only for the period of time specified in the **REQUEST FOR BID**. Any services performed by Bidder before this bid / contract award is effective or after it ceases to be effective are performed at the sole risk of Bidder.

### **ARBITRATION:**

Any controversy of claims arising out of or relating to this Contract, or the breach thereof, provided both parties agree, may be settled by arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

### **GOVERNING LAW; JURISDICTION:**

This Contract and the rights and obligations of the parties hereto shall be governed by, and construed according to, the laws of the State of Nevada, without giving effect to any principle of conflict-of-law that would require the application of the law of any other jurisdiction. Bidder consents and agrees to the jurisdiction of the courts of the State of Nevada located in Carson City, Nevada for enforcement of this Contract.

### **ENTIRE CONTRACT AND MODIFICATION:**

Once the Carson City Board of Supervisors has awarded this **REQUEST FOR BID** (which includes the <u>NOTICE TO BIDDERS</u>, <u>SPECIFICATIONS</u>, <u>TERMS AND</u>

<u>CONDITIONS</u>, <u>BID RESPONSE</u>, and all **EXHIBITS**), their award and this **REQUEST FOR BID** constitutes the entire Contract between Carson City and Bidder and is intended as a complete and exclusive statement of the promises, representations, negotiations, and discussions that may have been made.

Unless an integrated attachment to this Contract specifically displays a mutual intent to amend a particular part of this Contract, general conflicts in language between any such

attachment and this Contract shall be construed consistent with the terms of this Contract.

Unless otherwise expressly authorized by the terms of this Contract, no modification or amendment to this Contract shall be binding upon the parties unless the same is in writing and signed by the respective parties hereto and approved by the Carson City Board of Supervisors.

\* \* \* END OF TERMS & CONDITIONS \* \* \*



October 1, 2020

Carson City Purchasing & Contracts RFB #20300164

### **BID RESPONSE**

**Greg Higgins** 

Waterworks Manager

10-1-20

Date

# CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initia

Bidder's initials & date 64 10-1-20

### **BIDDER INFORMATION:**

Federal ID No.: 88-0093037	Company
Mailing Address: 950 South Rock Blvd	
City, State, Zip Code: Sparks, NV 89431	
Complete Telephone Number: 775-359-58	00
Complete Fax Number: 775-359-4649	
City, State, Zip Code: Sparks, NV 89431 Complete Telephone Number: 775-359-58	00
Carson City Municipal Code Section 4.04.010 Carson City is required to be in possession of advised that upon award of a contract by Cars business license or an exemption letter from the Department before commencing business. He prerequisite for bidding.	f a valid Carson City business license. Be son City, you must either have a current the Carson City Development Services
If Bidder <u>has</u> a valid Carson City Business Lic BL-003845-2020	cense, please provide number:
Bidder does not have a valid Carson City Bu representative of the Carson City Development has been informed that Bidder does need a REQUEST FOR BID. Bidder certifies that if awarded this REQUEST FOR BID.	nt Services Department at 775-887-2105 and Carson City Business License for this
Signature	Date
Bidder <u>does not have</u> a valid Carson City Busspoken to	a representative of the nt at 775-887-2105 and has been informed
Signature	Date

# CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initia

Bidder's initials & date GU 10-1-20

### **DISCLOSURE OF PRINCIPALS:**

I	nd	li,	/i	di	ıal	and	lor	Dar	thor	shin:
			V 11		111	and	/()[			511111

	Owner 1)	Name:		
		Address:		
		City, State, Zip Code:Complete Telephone Number:		
		Complete relephone Number.		
	Owner 2)	Name:		
	,	Address:		
		City, State, Zip Code:		
		Complete Telephone Number:		
	Other 1)	Title:		
		Name:		
	Other 2)	Title:		
	0 2)	Name:		
_				
Co	orporation:			
	State in which Company is incorporated: Nevada			
	Date Incorpo	orated: February 1964		
	Name of Corporation: Western Nevada Supply Company			
		0 South Rock Blvd		
	City, State, Zip Code: Sparks, NV 89431			
	Complete Te	elephone Number: 775-359-4649		
	President's Name: Richard Reviglio			
	residents Name. Alchard Revigilo			
	Vice-President's Name: Rosalie Reviglio			
	Other d. News			
	Other 1) Name: Title:			
	Other 2) Name:			
	Title:			

# CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initi

Bidder's initials & date GH 10-1-20

If Bidder responds NO to any of the following questions, Bidder must use the EXCEPTION SUMMARY document to record any deviations, modifications, and/or alternates proposed to this REQUEST FOR BID. Failure to do so may be justification for rejection of the BID RESPONSE. Bidder must indicate the title of document from the top of the page, the page number from the bottom of the page, the item number corresponding to the item, and a detailed description of the deviation, modification, and/or alternate. Failure to note deviations, modifications, and/or alternates on the EXCEPTION SUMMARY shall be interpreted to convey that Bidder will perform in the manner described and/or specified in this REQUEST FOR BID.

and/or alternate. Failure to note deviations, modifications, and/or alternates on the EXCEPTION SUMMARY shall be interpreted to convey that Bidder will perform in the manner described and/or specified in this REQUEST FOR BID.					
Bidder has read the <u>SPECIFICATIONS</u> and certifies that the product(s) and/proposed meets or exceeds the requirements of this <b>REQUEST FOR BID</b>	)	ce(s)			
Bidder has provided <b>"Exhibit A"</b> - Technical Specifications and literature illustrating Bidder's proposed product(s).					
Bidder has provided <b>"Exhibit B"</b> - A letter from the manufacturer certifying the authorized representative of the manufacturer for the product(s) being propose any warranty requirements provided for herein will be performed favorably in	sed and	that			
Bidder agrees that all items will be ordered on an as-needed basis.	Yes	No			
Bidder agrees that no guarantee is given that any specific quantities will be orde	red. Yes	No			
Bidder agrees that all items bid shall meet the current "Carson City Standard De Works Construction" in addition to all other standard details listed.	tails for	Public <b>No</b>			
Bidder agrees that all items shall conform to the American Water Works Associa and all applicable ANSI, ASTM, MSS SP 60 standards.	tion sta	ndards <b>No</b>			
Bidder has provided <b>"Exhibit C"</b> - A copy of Bidder's warranty, indicating the terms, conditions, and limitations of said warranty.					
sonalis, and initiations of said warranty.		No			
Bidder agrees that the CONTRACT TERM shall be from December 1, 2020 t	hrough				

December 31, 2021.

No

### CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initial

Bidder's initials & date GH 10-1-20

No

Bidder agrees that Carson City shall have the right to renew this Contract, for five (5) additional years, subject to negotiation.

Yes

Bidder guarantees the pricing through December 31, 2021.

Yes No

Bidder agrees that product(s) supplied pursuant to the provisions of this **REQUEST FOR** BID shall be subject to escalation and/or de-escalation of prices.

'es) No

Bidder agrees to provide delivery not less than twice each working day Monday through Friday F.O.B. Carson City Public Works, 3303 Butti Way, Building 13, Carson City, Nevada C/O Tom Gordon, Warehouse Supply Coordinator within one (1) working day from date order is placed.

es No

Bidder agrees that all prices shall be **F.O.B. Carson City**. No additional charges for freight, packaging, handling, insurance, etc., shall be allowed. Bidder shall be responsible for all shipping charges for items returned due to error and/or unacceptable condition.

s) No

At time of delivery, Bidder agrees to provide a delivery invoice.

Yes

No

Within 48 hours of delivery, Bidder agrees to email an invoice to Public Works Fiscal Analyst at <a href="mailto:cnicholas@carson.org">cnicholas@carson.org</a> which Carson City will use for the purpose of paying Bidder.

es No

Bidder agrees not mail a duplicate invoice unless specifically requested by Carson City.

Yes

No

Bidder agrees that should he fail to deliver the product(s) and/or perform the service(s) bid in accordance with this **REQUEST FOR BID**, Carson City may declare Bidder in default of contract and recover all damages, costs and fees (including Attorney's fees) allowable by law.

Bidder agrees that in the event of default by Bidder, Carson City may, at its option, pursue one or all of the following alternatives including: procure the product(s) and/or service(s) from another source and hold the defaulting Bidder responsible for an excess cost occasioned thereby, assess a penalty of 5% of the total awarded bid amount, commence with Surety and/or Performance Bond proceedings, debar the defaulting Bidder for not less than one year, or pursue other applicable legal remedies.

No

### CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE

Bidder's initials & date Gut 161-20

Bidder agrees that if necessity requires the use of materials or supplies not conforming to the SPECIFICATIONS, they may be accepted and payment shall be made at a proper adjustment in price.

No

Bidder has read and agrees to abide by the TERMS AND CONDITIONS of this REQUEST FOR BID

No

Bidder has provided "Exhibit D" - All addenda must be signed and placed in date and time order.

No

Bidder has provided "Exhibit E" - BID RESPONSE additional space on company letterhead.

No

Bidder has provided "Exhibit F"- Supplemental materials.

No

Bidder agrees that all billings for dates of service prior to July 1 must be submitted to Carson City no later than the first Friday in August of the same year; that a billing submitted after the first Friday in August will subject Bidder to an administrative fee not to exceed \$100.00; and that this amount will be deducted from the stale claim payment due to Bidder.

Bidder has read and agrees to abide by the INSURANCE REQUIREMENTS for Commercial General Liability Insurance, Business Automobile Liability Insurance, and Workers' Compensation and Employer's Liability Insurance for this REQUEST FOR BID.

(Yes) No

Bidder has provided "Exhibit G" - EXCEPTION SUMMARY additional space on company letterhead. (Yes) No

Bidder agrees that should he fail to deliver the product(s) and/or perform the service(s) bid in accordance with this REQUEST FOR BID, Carson City may declare Bidder in default of contract and recover all damages, costs and fees (including Attorney's fees) allowable by (Yes) law.

Bidder agrees that in the event of default by Bidder, Carson City may, at its option, pursue one or all of the following alternatives including: procure the product(s) and/or service(s) from another source and hold the defaulting Bidder responsible for an excess cost occasioned thereby, assess a penalty of 5% of the total awarded bid amount, commence with Surety and/or Performance Bond proceedings, debar the defaulting Bidder for not less

## CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initials & date GH -10-1-12

than one year, or pursue other applicable legal remedies. (Yes) No Bidder agrees that if necessity requires the use of materials or supplies not conforming to the SPECIFICATIONS, they may be accepted and payment shall be made at a proper adjustment in price. (Yes) No MASTERCARD ACCEPTANCE. Bidder agrees to accept MasterCard as a form of payment under this Contract at no additional cost to Carson City. No (Yes) **CASH DISCOUNT** of 2 % may be taken in addition to the price(s) stated for the terms of 15 calendar days. Prompt payment discounts will be considered in award recommendation only if discount period is fifteen (15) or more calendar days. Discount period will be computed from the date Carson City acknowledges that the delivery and/or performance meets the requirements of this REQUEST FOR BID or from the date the correct invoice is received by the appropriate Carson City department/division accounts payable clerk, whichever is the latter date. Payment is deemed to be made on the date payment is mailed to Bidder. Bidder agrees that if cash discount is provided that Bidder shall indicate the discount prices

on each invoice.

(Yes)

# CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initial

Bidder's initials & date 6/4 10-1-20

ACKNOWLEDGMENT AND EXECUTION:
STATE OF NEVADA
COUNTY OF WASHOE )
I, <u>Greg Higgins</u> (Name of party signing this <u>BID</u> <u>RESPONSE</u> ), do depose and say: That I am the Bidder or authorized agent of the Bidder; and that I have read and agree to abide by this <b>REQUEST FOR BID</b> which includes the following documents: <u>NOTICE TO BIDDERS</u> , <u>SPECIFICATIONS</u> , <u>TERMS AND</u> <u>CONDITIONS</u> , and <u>BID RESPONSE</u> .
BIDDER:
PRINTED NAME OF BIDDER: Greg Higgins
TITLE: Waterworks Manager
FIRM: Western Nevada Supply Company
Address: 950 South Rock Blvd
City: Sparks
State / Zip Code: Nevada, 89431
Telephone Number: 775-359-5800
Fax Number: <u>775-359-4649</u>
E-mail address: ghiggins@goblueteam.com
9/1/2/
(Signature of Bidder)  DATED  **DATED**  DATED**  DATED**
DATED VO C ZO
Signed and sworn (or affirmed) before me on this 1 day of october, 20 20
by Croig Alige me
(Signature of Notary)  CHRISTINE E. HOGAN Notary Public - State of Nevada Appointment Recorded in Washoe County No: 02-74816-2 - Expires February 1, 2022
(Notary Stamp)

## CARSON CITY PURCHASING AND CONTRACTS BID RESPONSE Bidder's initial

Bidder's initials & date GH 101-26

#### **EXCEPTION SUMMARY INSTRUCTIONS:**

Use this document to record any deviations, modifications, and/or alternates proposed to this **REQUEST FOR BID.** Failure to do so may be justification for rejection of the <u>BID RESPONSE</u>. Bidder must indicate the line number corresponding to the item and a detailed description of the deviation, modification, and/or alternate. Failure to note deviations, modifications, and/or alternates on the **EXCEPTION SUMMARY** shall be interpreted to convey that Bidder will perform in the manner described and/or specified in this **REQUEST FOR BID**.

If additional space is required, use company letterhead and mark as "Exhibit G".

If there are no deviations, modifications, and/or alternates proposed to this REQUEST

FOR BID, write "None".				
NONE	-			
		6		
	100000000000000000000000000000000000000			

\* \* \* END OF BID RESPONSE \* \* \*

<b>Event Number</b>	20300164 Addendum 1	Organization	Nevada Gov eMarketplace
<b>Event Title</b>	Warehouse Inventory Parts	Workgroup	Carson City, Nevada
<b>Event Description</b>	Carson City Purchasing and Contracts, on bo	Event Owner	Carol Akers
<b>Event Type</b>	BID	Email	cakers@carson.org
Issue Date	9/10/2020 07:00:01 AM (PT)	Phone	1 (775) 283-7362
Close Date	10/2/2020 11:00:00 AM (PT)	Fax	1 (775) 887-2286

Responding Supplier	City	State	Response Submitted	<b>Lines Responded</b>	Response Total
Western Nevada Supply	Sparks	NV	10/2/2020 10:37:55 AM (PT)	524	\$131,166.05

Please note: Lines Responded and Response Total only includes responses to specification. No alternate response data is included.

1	Air Release Valve 1/2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$260.00	Crispin	M-8
2	Air Release Valve 3/4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$260.00	Crispin	M-8
3	Valve-Air Rels FIP x FIP 1"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$320.00	APCO	143C.1
4	Valve Air-Vac Rels-Combo 1"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$320.00	APCO	143C.1
	Volve Air Dela FID :: FID 311				Drand Name	Manufacturing Doub #
5	Valve-Air Rels FIP x FIP 2" Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
	Western Nevada Supply	1	Ea	\$460.00	APCO	145C.1
	Western Nevaua Supply	1	La	\$400.00	AFCO	1450.1
6	Valve Air-Vac Rele-Combo 2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$460.00	APCO	145C.1
7	Flange-Screwed DI 2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$23.00	ANVIL	2CF
8	Flange-Screwed DI 3"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		0 1
	Western Nevada Supply	1	Ea	\$35.00	ANVIL	3CF
9	Flange-Screwed DI 4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$48.00	ANVIL	4CF
10	Flange-Screwed DI 6"				Brand Name	Manufacturing Part #
10	Supplier	QTY	UOM	Unit Price	Branu Name	Ivianulacturing Part #
	Western Nevada Supply	1	Ea	\$75.00	ANVIL	6CF
	Western Nevada Sappiy	-	Lu	ψ, 3.00	7114412	001
11	Flange-Screwed DI 8"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$95.00	ANVIL	8CF
F	I.,					
12	Flange-Blind DI 3"	<u> </u>	11000		Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	CTAD	205
	Western Nevada Supply	1	Ea	\$18.50	STAR	3BF
13	Flange-Blind DI 4"				Brand Name	Manufacturing Part #
13	Supplier	QTY	UOM	Unit Price	Statia Haille	Ividilalactaling Falt #
		٠.٠		J 1100		

	Western Nevada Supply	1	Ea	\$33.00	STAR	4BF
14	Flange-Blind DI 6"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$50.00	STAR	6BF
					la 101	
15	Flange-Blind DI 8"	OTV	11004		<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	CTAR	005
	Western Nevada Supply	1	Ea	\$83.00	STAR	8BF
16	Flange-Blind DI 10"				Brand Name	Manufacturing Part #
10	Supplier	QTY	UOM	Unit Price	Diana Name	Ivialiulacturing Part #
	Western Nevada Supply	1	Ea	\$125.50	STAR	10BF
	Western Nevada Sappiy	-	Lu	Ţ123.50	317111	1001
17	Flange-Blind DI 12"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$167.50	STAR	12BF
18	Flange-Blind DI 16"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$285.00	STAR	16BF
					_	
19	Clamp-Bell Joint Repair 12"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$445.00	ROMAC	516-13.60
20	Clamp-Bell Joint Repair 10"				Brand Name	Manufacturing Part #
20	Supplier	QTY	UOM	Unit Price	Dianu Name	ivialiulacturilig Part #
	Suppliel	QII	OOIVI		ROMAC	
	Western Nevada Supply	1	Fa	\$407.00	RUIVIAL	516-11 40
	Western Nevada Supply	1	Ea	\$407.00	ROMAC	516-11.40
21	Western Nevada Supply  Clamp-Bell Joint Repair 8"	1	Ea	\$407.00		516-11.40  Manufacturing Part #
21		1 QTY	Ea UOM	\$407.00 Unit Price	Brand Name	
21	Clamp-Bell Joint Repair 8"				Brand Name	
21	Clamp-Bell Joint Repair 8" Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
21	Clamp-Bell Joint Repair 8" Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply Clamp-Bell Joint Repair 4" Supplier	QTY 1 QTY	UOM Ea	Unit Price \$356.00 Unit Price	Brand Name  ROMAC  Brand Name	Manufacturing Part # 516-9.30  Manufacturing Part #
	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply Clamp-Bell Joint Repair 4"	QTY 1	<b>UOM</b> Ea	Unit Price \$356.00	Brand Name  ROMAC  Brand Name	Manufacturing Part # 516-9.30
22	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply	QTY 1 QTY	UOM Ea	Unit Price \$356.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC	Manufacturing Part # 516-9.30  Manufacturing Part # 516-5.00
	Clamp-Bell Joint Repair 8"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 4"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 6"	QTY 1 QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00	Brand Name  ROMAC  Brand Name	Manufacturing Part # 516-9.30  Manufacturing Part #
22	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier	QTY 1 QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #
22	Clamp-Bell Joint Repair 8"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 4"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 6"	QTY 1 QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	Manufacturing Part # 516-9.30  Manufacturing Part # 516-5.00
22	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier Western Nevada Supply	QTY 1 QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10
22	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 1/4"	QTY 1  QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #
22	Clamp-Bell Joint Repair 8"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 4"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 6"  Supplier  Western Nevada Supply  Valve-Ball FIP x FIP 1/4"  Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10  Manufacturing Part #
22	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 1/4"	QTY 1  QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10
23	Clamp-Bell Joint Repair 8"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 4"  Supplier  Western Nevada Supply  Clamp-Bell Joint Repair 6"  Supplier  Western Nevada Supply  Valve-Ball FIP x FIP 1/4"  Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10  Manufacturing Part #
23	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 1/4" Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  NIBCO	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10  Manufacturing Part #  600CSA
23	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 1/4" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 1/4" Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00 Unit Price \$9.00	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  NIBCO  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10  Manufacturing Part #  600CSA
23	Clamp-Bell Joint Repair 8" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 4" Supplier Western Nevada Supply  Clamp-Bell Joint Repair 6" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 1/4" Supplier Western Nevada Supply  Valve-Ball FIP x FIP 3/8" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	Unit Price \$356.00 Unit Price \$206.00 Unit Price \$243.00 Unit Price	Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  NIBCO  Brand Name	Manufacturing Part #  516-9.30  Manufacturing Part #  516-5.00  Manufacturing Part #  516-7.10  Manufacturing Part #  600CSA  Manufacturing Part #

	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$9.00	NIBCO	600CSA
27	Valve-Ball FIP x FIP 3/4"			_	<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$13.00	NIBCO	600CSA
20	Value Ball FID v FID 4ll				Due and Maria	Daniel atentina Dant H
28	Valve-Ball FIP x FIP 1"	QTY	UOM	Unit Price	<b>Brand Name</b>	Manufacturing Part #
	Supplier Western Nevada Supply	1	Ea	\$20.00	NIBCO	600CSA
	Western Nevaua Supply	1	Ed	\$20.00	NIDCO	DUUCSA
29	Valve-Gate FIP X FIP 1"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$15.50	RED-WHITE	267AB
	11,					
30	Valve-Gate FIP x FIP 1 1/4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$26.50	RED-WHITE	267AB
31	Valve-Gate FIP x FIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$35.00	RED-WHITE	267AB
	T					
32	Valve-GAte FIP X FIP 2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$54.50	RED-WHITE	267AB
22	Value Charle FID v FID 1/2"				Drand Name	Manufacturing Dort #
33	Valve-Check, FIP x FIP 1/2" Supplier	QTY	UOM	Unit Price	<b>Brand Name</b>	Manufacturing Part #
	Western Nevada Supply	1	Ea	\$59.00	NIBCO	T413Y-LF
	Western Nevada Supply	<b>-</b>	La	\$33.00	MIDCO	14131-11
34	Valve-Check, FIP x FIP 3/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		8
	Western Nevada Supply	1	Ea	\$68.50	NIBCO	T413Y-LF
	,					
35	Valve-Check FIP X FIP 1"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$94.00	NIBCO	T413Y-LF
36	Valve-Check, FIP x FIP 1 1/2"			_	<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$145.00	NIBCO	T413Y-LF
	lyd ob design				D d at	866
37	Valve-Check, FIP x FIP 2"	OT1	UOM	I Justin Portico	<b>Brand Name</b>	Manufacturing Part #
	Supplier Western Novada Supply	QTY		Unit Price \$179.50	NIPCO	T/112V   E
	Western Nevada Supply	1	Ea	\$1/9.50	NIBCO	T413Y-LF
38	1/4" Brass 45 FIPS x FIPS				Brand Name	Manufacturing Part #
30	Supplier	QTY	UOM	Unit Price	Diana Name	ivianulacturing Falt #
	Western Nevada Supply	1	Ea	\$3.00	MERIT	BRF1445
	vvesterri Nevada Suppry	_	Lu	33.00	MILIVII	DIVI TAAD

39 EII	bow-Bend FIP 1/4"			-	Brand Name	Manufacturing Part #
L	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$2.50	MERIT	BRF1490
40 EII	bow-Bend FIP 3/8"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$2.50	MERIT	BRF3890
						T
41 Ell	bow-Bend FIP 1/2"	OT\	11000		Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	MEDIT	DDE4200
	Western Nevada Supply	1	Ea	\$4.00	MERIT	BRF1290
42 EII	bow-Bend FIP 3/4"				Brand Name	Manufacturing Part #
72 LII	Supplier	QTY	UOM	Unit Price	Diana Name	Ivialial acturing Fart #
	Western Nevada Supply	1	Ea	\$5.00	MERIT	BRF3490
	Western Nevada Supply	-	Lu	φ3.00	IVIEI	BIII 3 130
43 EII	bow-Bend FIP 1"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		, , , , , , , , , , , , , , , , , , , ,
	Western Nevada Supply	1	Ea	\$8.00	MERIT	BRF190
44 EII	bow-Bend FIP 1 1/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$13.00	MERIT	BRF11490
45 EII	bow-Bend FIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$20.00	MERIT	BRF11290
					D 101	
46 EII	bow-Bend FIP 2"	OTV	11004		Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	MEDIT	DDC200
	Western Nevada Supply	1	Ea	\$26.00	MERIT	BRF290
47 Te	ee-FIP 1/4"				Brand Name	Manufacturing Part #
47 110	Supplier	QTY	UOM	Unit Price	Drana Name	ividifatactaring rate ii
	Western Nevada Supply	1	Ea	\$3.00	MERIT	BRF14T
	Western Werdad Supply	-		φ3.00		5111 2 11
48 Te	ee-FIP 3/8"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$3.00	MERIT	BRF38T
49 Te	ee-FIP 1/2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$4.00	MERIT	BRF12T
50 Te	ee-FIP 3/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		22504-
	Western Nevada Supply	1	Ea	\$7.00	MERIT	BRF34T
	- 510 4 ll				Down of All	Bannette de ment
51 Te	ee-FIP 1"	OTY	LIONA	Holt Dales	Brand Name	Manufacturing Part #
	Supplier Western Nevada Supply	QTY	UOM	Unit Price	MEDIT	DDE1T
	Western Nevada Supply	1	Ea	\$10.00	MERIT	BRF1T

52	Tee-FIP 1 1/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$14.00	MERIT	BRF114T
53	Tee-FIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$19.00	MERIT	BRF112T
54	Tee-FIP 2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	MEDIT	DDEST
	Western Nevada Supply	1	Ea	\$31.00	MERIT	BRF2T
55	Plug-MIP 1/4"				Brand Name	Manufacturing Part #
33	Supplier	QTY	UOM	Unit Price	Dianu Name	Ivialiulacturing Part #
	Western Nevada Supply	1	Ea	\$2.50	MERIT	BRF14P
	Western Nevada Sappry	-	Lu	Ų2.50	WILIUI	DITT
56	Plug-MIP 3/8"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		<b>3</b>
	Western Nevada Supply	1	Ea	\$2.50	MERIT	BRF38P
57	Plug-MIP 1/2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$2.50	MERIT	BRF12P
58	Plug-MIP 3/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$3.00	MERIT	BRF34P
59	Plug-MIP 1"				Brand Name	Manufacturing Part #
39	Supplier	QTY	UOM	Unit Price	Diana Name	Ivialial acturing Fart #
	Western Nevada Supply	1	Ea		MERIT	BRF1P
	Trestern Herada Sappiy	_		φ3.30	WIZIWI	5111 21
60	Plug-MIP 1 1/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$5.50	MERIT	BRF114P
61	Plug-MIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$7.00	MERIT	BRF112P
	laa.					
62	Plug-MIP 2"	<b>6</b> =:			Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	MEDIT	חריים
	Western Nevada Supply	1	Ea	\$11.00	MERIT	BRF2P
63	Cap-FIP 1/4"				Brand Name	Manufacturing Part #
US	Supplier	QTY	UOM	Unit Price	שומווע ואמווופ	Ivianulacturing Fall #
	Western Nevada Supply	1	Ea	\$2.00	MERIT	BRF14CAP
	Trestern Nevada Supply	-		γ2.00		51.11 ± 1.07 11
64	Cap-FIP 3/8"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		

		-	42.00	MARRIT	DDF2004D
Western Nevada Supp	ly 1	Ea	\$2.00	MERIT	BRF38CAP
65   Cap-FIP 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Dianu Name	Ivialiulacturing Part #
Western Nevada Supp		Ea	\$2.50	MERIT	BRF12CAP
Western Nevada Supp	ıy ı	La	72.50	IVILIVII	DIN 12CAI
66 Cap-FIP 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		0
Western Nevada Supp		Ea	\$3.00	MERIT	BRF34CAP
•	,		,		
67 Cap-FIP 1"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$4.50	MERIT	BRF1CAP
68 Cap-FIP 1 1/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$7.00	MERIT	BRF114CAP
69   Cap-FIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$9.50	MERIT	BRF112CAP
					T
70   Cap-FIP 2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$16.00	MERIT	BRF2CAP
74 2/4ll Davida Vant Can				Duan d Nama	BA for at in a Do at #
71 3/4" Double Vent Cap	OTV	UOM	Unit Price	<b>Brand Name</b>	Manufacturing Part #
Supplier Western Nevada Supp	QTY ly 1	Ea	\$7.50	BECKETT	34MVC
western Nevaua Supp	ıy ı	Ed	\$7.50	DECKETT	34IVIVC
72 1" Double Vent Cap				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Wand actuming Fart #
Western Nevada Supp		Ea	\$9.50	BECKETT	1MVC
Trestern retrada capp	-, –		75.55		2
73 Coupling-FIP 1/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		0
Western Nevada Supp		Ea	\$2.50	MERIT	BRF14C
·	,				
74 Coupling-FIP 3/8"			_	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$2.50	MERIT	BRF38C
75 Coupling-FIP 1/2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$3.00	MERIT	BRF12C
76 Coupling-FIP 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$4.00	MERIT	BRF34C
77   Coupling-FIP 1"				Brand Name	Manufacturing Part #

	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$5.50	MERIT	BRF1C
	,			,		
78	Coupling-FIP 1 1/4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$9.00	MERIT	BRF114C
79	Coupling-FIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$12.00	MERIT	BRF112C
80	Coupling-FIP 2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	Diana itamo	iniana actaining i aire ii
	Western Nevada Supply	1	Ea	\$19.50	MERIT	BRF2C
	Trestain restaud cappiy	_		γ = 0.000		220
81	Reducer-Bell, FIP 1/4x3/8"			_	<b>Brand Name</b>	Manufacturing Part #
•	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$2.50	MERIT	BRF3814R
82	Reducer-Bell, FIP 3/8x1/2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$3.00	MERIT	BRF1238R
	1					
83	Reducer-Bell, FIP 1/2x3/4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$4.50	MERIT	BRF3412R
84	Reducer-Bell, FIP 3/4x1"			_	Brand Name	Manufacturing Part #
04	Supplier	QTY	UOM	Unit Price	Diana Name	Manufacturing Fart #
	Western Nevada Supply	1	Ea	\$7.50	MERIT	BRF134R
	Western We vada supply	-	Lu	77.50	IVILITI	DIN 1941
85	Reducer-Bell, FIP 1x1 1/2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$15.00	MERIT	BRF1121R
86	Reducer-Bell, FIP 3/4 x 2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$25.00	MERIT	BRF234R
87	Reducer-Bell, FIP 1 x 2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$25.00	MERIT	BRF21R
88	Nipple-MIP 1/4 x 1"				Brand Name	Manufacturing Part #
_ 00	Supplier	QTY	UOM	Unit Price	Diana Haine	Indianactaining Fait m
	Western Nevada Supply	1	Ea	\$1.00	MERIT	BRN14C
	Western Wevada Suppry		Lu	71.00	.7121111	DIMIT
89	Nipple-MIP 1/4 x 2"			_	Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Supplier					

90 Nipple-MIP 3/8 x 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$1.00	MERIT	BRN38C
91 Nipple-MIP 3/8 x 4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$2.50	MERIT	BRN384
				<u> </u>	
92 Nipple-MIP 1/2 x 1 1/4"	071/	11000		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	MEDIT	DDN12112
Western Nevada Supp	ly 1	Ea	\$1.50	MERIT	BRN12112
93 Nipple-MIP 1/2 x 3"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	ividilatacearing rate ii
Western Nevada Supp		Ea	\$2.50	MERIT	BRN123
Trestant restant supp	-, –	_~	<b>7</b>		2220
94 Nipple-MIP 3/4 x 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		,
Western Nevada Supp	ly 1	Ea	\$1.50	MERIT	BRN12C
95 Nipple-MIP 3/4 x 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$6.00	MERIT	BRN346
96 Nipple-MIP 1 x CLS				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		22110
Western Nevada Supp	ly 1	Ea	\$3.00	MERIT	BRN1C
97 Nipple-MIP 1 x 2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Hame	manaractaring rare ii
Western Nevada Supp		Ea		MERIT	BRN12
	,		·		
98 Nipple-MIP 1 x 3"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$4.50	MERIT	BRN13
99 Nipple-MIP 1 1/4 x 3"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp	ly 1	Ea	\$6.50	MERIT	BRN1143
400 Minut San 4 4 /2 2"				Dunnal Marris	Manufacturities Book II
100 Nipple-MIP 1 1/2 x 3"	OTY.	11004	Hait Daise	Brand Name	Manufacturing Part #
Supplier Western Nevada Supp	QTY	<b>UOM</b> Ea	Unit Price	MERIT	DDN1122
Western Nevada Supp	ly 1	Ed	\$8.00	IVIENII	BRN1123
101 Nipple-MIP 1 1/2 x 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	27 dila 14 dille	indianactaining i are m
Western Nevada Supp		Ea	\$15.00	MERIT	BRN1126
Transfer and Supp	_		7 20.00		3-0
102 Nipple-MIP 2 x 3"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supp		Ea	\$10.00	MERIT	BRN23

103 Nipple-MIP 2"x6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$19.00	MERIT	BRN26
104 Adaptor-FM Hose x Hose 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Praira Hairie	Manadactaining Fait #
Western Nevada Supply	1	Ea	\$3.50	PASCO	2142
105 Adaptor-FM Hose x FM Hose SWV 3	/4"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$5.00	PASCO	2142
106   Adaptor 1/2" X 3/4 " F hose SWV				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$3.50	PASCO	2144
107 Bushing-FIPxMIP 1/4x3/8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$2.00	MERIT	BRF3814B
108 Bushing-FIPxMIP 1/4x1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana itamo	manaratanng rare n
Western Nevada Supply	1	Ea	\$2.00	MERIT	BRF1214B
109 Bushing-FIPxMIP 3/8x1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Brana Name	Wandactaring rare #
Western Nevada Supply	1	Ea	\$2.00	MERIT	BRF1238B
110 Bushing-FIPxMIP 1/2x3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ividitatactaring i are #
Western Nevada Supply	1	Ea		MERIT	BRF3412B
	_		<b>7</b> 2.00		
111 Bushing-FIPxMIP 1/2x1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$3.50	MERIT	BRF112B
112 Bushing Brass 3/4 X 1/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$3.00	MERIT	BRF3414B
113 Bushing-FIPxMIP 3/4x1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$4.00	MERIT	BRF134B
114 Bushing-FIPxMIP 3/4x1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$10.00	MERIT	BRF11234B
115 Bushing-FIPxMIP 3/4x2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		

		_	4		
Western Nevada Supply	1	Ea	\$14.50	MERIT	BRF234B
116 Bushing-FIPxMIP 1x1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	indiadecaning rate ii
Western Nevada Supply	1	Ea	\$8.00	MERIT	BRF1121B
Western We vada Supply	-	Lu	\$0.00	WILIUI	DINI 1121D
117 Bushing-FIPxMIP 1x2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$14.50	MERIT	BRF21B
118 Bushing-FIPxMIP 1 1/2x2				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$12.00	MERIT	BRF2112B
119   Stop-Corp, F x MIP 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$55.50	FORD-MUELLER	B25028
120 Stop-Corp, F x MIP 3/4x1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivianulacturing Fait #
Western Nevada Supply	1	Ea	No Bid		
Western Nevada Supply	1	La	NO BIG		
121 Stop-Corp, F x MIP 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$73.00	FORD-MUELLER	B25028
122 Stop-Corp, Comp x MIP 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$164.50	FORD-MUELLER	B25028
[400 lo: 0				D 101	
123 Stop-Corp, F x MIP 2"	OTV.	11000		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	FORD MULTILED	D25020
Western Nevada Supply	1	Ea	\$272.00	FORD-MUELLER	B25028
124 Stop-Mtr F x YOKE Angle 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana itamo	
Western Nevada Supply	1	Ea	\$108.00	FORD-MUELLER	AV91-323W-NL
The state of the s			7		
125 Stop-Mtr F x YOKE Angle 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$114.00	FORD-MUELLER	AV91-444W-NL
126 Stop-Mtr F x YOKE 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$105.00	FORD-MUELLER	B91-323W
127 Chan Bibli F -: VOVE 4"				Duonal Name	Manufastruitus D. 4.11
127 Stop-Mtr F x YOKE 1"	OTV	11004	Unit Price	Brand Name	Manufacturing Part #
Supplier Western Nevada Supply	QTY 1	<b>UOM</b> Ea	\$110.00	FORD-MUELLER	B91-344W
western nevada suppry	Τ.	La	\$110.00	1 OKD-WIGHLER	D31-34444
128 Tee-Service FxFxF 1x1x1"				Brand Name	Manufacturing Part #
TES LICE SCIAIGE LYLYL TYTYT				Statia Hallic	Imanaractaring rate m

	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$75.00	FORD-MUELLER	T444-444
		_				
	Compression Y 1" X 3/4" X 3/4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$94.00	FORD-MUELLER	H15343
130 Brass	Compression Y 1-1/2" x 1" x 1"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$113.00	FORD-MUELLER	H15343
131 Check	Valve MIPxFIP STR 3/4"				Brand Name	Manufacturing Part #
<u> </u>	Supplier	QTY	UOM	Unit Price	Drana Name	Wand according Fare II
	Western Nevada Supply	1	Ea	\$38.00	FORD-MUELLER	HS81
	Trestern Nevada Supply	-	Lu	750.00	TOND MICELLEN	11301
132 Check	Valve FIPxMTR STR 1"				Brand Name	Manufacturing Part #
<u> </u>	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$49.00	FORD-MUELLER	HS91
133 Coupl	ing-3P FxF 3/4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$21.50	FORD-MUELLER	H15403
134 Coupl	ing-3P FxF 1"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	Diana Ivanie	Ivialial acturning Fart #
	Western Nevada Supply	1	Ea	\$23.50	FORD-MUELLER	H15403
	Western Nevada Supply	_	Lu	725.50	TOND MIGLELLIN	1115405
135 Coupl	ing-3P FxF 1 1/2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$82.50	FORD-MUELLER	H15403
	ing-3P FxF 2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$111.00	FORD-MUELLER	H15403
137 Adant	or-Coupling CTS Comp x MIP 3/	<b>'4</b> "			Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	Drana Hame	Wand according Fare II
	Western Nevada Supply	1	Ea	\$17.50	FORD-MUELLER	H15428
	Trestern nevada suppry	-	20	φ1/130	TONS MOLLELIN	1123 120
138 Adapt	or-Coupling CTS Comp x MIP 1"	1			<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$20.50	FORD-MUELLER	H15428
139 Adant	or-Coupling CTS Comp x MIP 1	1/2			Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$57.00	FORD-MUELLER	H15428
				,		
140 Adapt	or-Coupling CTS Comp x MIP 2"	ı			Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$83.50	FORD-MUELLER	H15428

141 Adaptor-Coupling CTS Comp x FIP 3	3/4"		_	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$19.00	FORD-MUELLER	H15451
				<u></u>	Ta
142 Adaptor-Coupling CTS Comp x FIP 1				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$27.00	FORD-MUELLER	H15451
143 Adaptor-Coupling CTS Comp x FIP 1	1/2"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$73.50	FORD-MUELLER	H15451
				<b>5</b>	
144 Adaptor-Coupling CTS Comp x FIP 2				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$87.50	FORD-MUELLER	H15451
145 Elbow-Service 90 CTS Comp X MIP	3/4"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		·
Western Nevada Supply	1	Ea	\$18.50	FORD-MUELLER	H15533
	- 11			<b>5</b> 100	
146 Elbow-Service 90 CTS Comp x MIP		11004		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	5000 14151150	1145500
Western Nevada Supply	1	Ea	\$31.50	FORD-MUELLER	H15533
147 Elbow-Service 90 CTS Comp x MIP	1 1/2"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$93.50	FORD-MUELLER	H15533
440 Filham Samira 00 CTS Campus MID	<b>5</b> 11			Drand Name	Manufacturing Daut #
148 Elbow-Service 90 CTS Comp x MIP 2		11004		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	FORD MUSILER	1145522
Western Nevada Supply	1	Ea	\$134.00	FORD-MUELLER	H15533
149 Elbow- Service 90 CTS Comp x FIP 3	3/4"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$18.00	FORD-MUELLER	H15533
150 Elbow- Service 90 CTS Comp x FIP 1	11			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	שומווע ואמווופ	ivianuiactuinig Part #
Western Nevada Supply	1	Ea	\$41.00	FORD-MUELLER	H15533
western nevada suppry	1	La	λ41.00	TORDSWICELER	1113333
151 Elbow- Service 90 CTS Comp x FIP 1	1/2"			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$103.50	FORD-MUELLER	H15533
153 Filhour Comitee 00 CTC Commun. 512 C	)II			Drand Names	Manufacturing Dant #
152 Elbow- Service 90 CTS Comp x FIP 2		UOM	Unit Price	Brand Name	Manufacturing Part #
Supplier Western Neveda Supply	QTY			CORD MULLUER	1115522
Western Nevada Supply	1	Ea	\$119.50	FORD-MUELLER	H15533
153 Nut-Yoke Lock 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$5.50	FORD-MUELLER	YLN-4

154 Adaptor-Meter 5/8"x3/4" to 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$15.00	FORD-MUELLER	A23-NL
155 Adaptor-Meter 5/8"x3/4" to 1"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$37.00	FORD-MUELLER	A24-NL
156 Adaptors 1 1/2" MTR in Pairs				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$172.00	FORD-MUELLER	A47-NL
				<u></u>	
157 Adaptor-1 1/2" x 2" MTR in Pairs	OTV	11004		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	CORD MULLIER	AC7 NII
Western Nevada Supply	1	Ea	\$265.00	FORD-MUELLER	A67-NL
158 Adaptor-1" x 2" MTR in Pairs				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Inianalactuming Falt #
Western Nevada Supply	1	Ea	\$225.00	FORD-MUELLER	A46-NL
Western Nevada Suppry		Lu	<b>J223.00</b>	TOND WIDELLIN	ATO NE
159 Outlet-Yoke Piece 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		1
Western Nevada Supply	1	Ea	\$13.50	FORD-MUELLER	C91-23-NL
11,			,		
160 Outlet-Yoke Piece 1"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$22.00	FORD-MUELLER	C91-44
161 Expander for Meter 5/8" x3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$28.50	FORD-MUELLER	EC-23
				I	
162 Expander for Meter X1"	OTV	11004		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	FORD MUSILER	50.4
Western Nevada Supply	1	Ea	\$43.00	FORD-MUELLER	EC-4
163 Flange-Comp WTR MTR 1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Inianalactuming Falt #
Western Nevada Supply	1	Ea	\$52.50	FORD-MUELLER	112MF
Western Nevada Supply	_	Lu	752.50	. OND WIDELLIN	1121111
164 Flange-Comp WTR MTR 2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		, , ,
Western Nevada Supply	1	Ea	\$68.50	FORD-MUELLER	2MF
165 Adaptor-FIPxPVC compression 1/12"	l			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$118.00	FORD-MUELLER	C17-66-NL
166 Adaptor-FIPxPVC compression 2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		

Western Nevada Supply	1	Ea	\$132.00	FORD-MUELLER	C17-77-NL
western Nevada Suppry	<b>-</b>	La	Ş132.00	I OND-MOLLLIN	CIT-TT-INL
167 Adaptor-FIPT x PVC 1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.32	SPEARS	PF112FA
168 Adaptor-FIPT x PVC 2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$1.78	SPEARS	PF2FA
			_		
169 Flange-S/O Steel Weld 2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$11.00	ALLIED	2RFSO
470 Flames C/O Start Mald FIT 311				Duran d Names	Barrelo struito - Doub #
170 Flange-S/O Steel Weld FIT 3"	OTV	LIONA	Linit Drice	Brand Name	Manufacturing Part #
Supplier Western Neveda Supply	QTY	UOM	Unit Price	ALLIED	20550
Western Nevada Supply	1	Ea	\$14.50	ALLIED	3RFSO
171 Flange-S/O Steel Weld FIT 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivialiulacturilig Fait #
Western Nevada Supply	1	Ea	\$18.50	ALLIED	4RFSO
western nevada suppry	-	Lu	710.50	ALLIED	4111 30
172 Flange-S/O Steel Weld FIT 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$30.50	ALLIED	6RFSO
173 Flange-S/O Steel Weld FIT 8"				Brand Name	Manufacturing Part #
173 Flange-S/O Steel Weld FIT 8" Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
	QTY 1	UOM Ea	Unit Price \$46.50	Brand Name ALLIED	Manufacturing Part # 8RFSO
Supplier Western Nevada Supply				ALLIED	8RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10"	1	Ea	\$46.50		
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier	1 QTY	Ea UOM	\$46.50 Unit Price	ALLIED Brand Name	8RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10"	1	Ea	\$46.50	ALLIED	8RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply	1 QTY	Ea UOM	\$46.50 Unit Price	ALLIED  Brand Name  ALLIED	8RFSO  Manufacturing Part #  10RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12"	QTY	Ea UOM Ea	\$46.50 Unit Price \$80.00	ALLIED Brand Name	8RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier	QTY 1	UOM Ea	\$46.50  Unit Price \$80.00  Unit Price	ALLIED Brand Name ALLIED Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12"	QTY	Ea UOM Ea	\$46.50 Unit Price \$80.00	ALLIED  Brand Name  ALLIED	8RFSO  Manufacturing Part #  10RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply	QTY 1	UOM Ea	\$46.50  Unit Price \$80.00  Unit Price	ALLIED  Brand Name  ALLIED  Brand Name  ALLIED	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16"	QTY 1	UOM Ea	\$46.50  Unit Price \$80.00  Unit Price	ALLIED Brand Name ALLIED Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply	QTY 1	UOM Ea UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50	ALLIED  Brand Name  ALLIED  Brand Name  ALLIED	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier	QTY 1 QTY 1	UOM Ea UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price	ALLIED Brand Name ALLIED Brand Name ALLIED Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier	QTY 1 QTY 1	UOM Ea UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price	ALLIED  Brand Name  ALLIED  Brand Name  ALLIED  Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply	QTY 1 QTY 1	UOM Ea UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price	ALLIED  Brand Name  ALLIED  Brand Name  ALLIED  Brand Name  ALLIED	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply  177 Flange-S/O Steel Weld FIT 3"x4"	QTY 1  QTY 1	UOM Ea UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price \$191.50	ALLIED  Brand Name  ALLIED  Brand Name  ALLIED  Brand Name  ALLIED	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply  177 Flange-S/O Steel Weld FIT 3"x4" Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price \$191.50  Unit Price \$92.00	ALLIED Brand Name ALLIED Brand Name ALLIED Brand Name ALLIED Brand Name ALLIED ALLIED	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO  Manufacturing Part #  43RFSO
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply  177 Flange-S/O Steel Weld FIT 3"x4" Supplier Western Nevada Supply  178 CaL-VAL PRV #90-01 IPxIP 2" 90G-0	QTY 1  QTY 1  QTY 1  APSKC:	UOM Ea  UOM Ea  UOM Ea  UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price \$191.50  Unit Price \$92.00	ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name  ALLIED  Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply  177 Flange-S/O Steel Weld FIT 3"x4" Supplier Western Nevada Supply  178 CaL-VAL PRV #90-01 IPxIP 2" 90G-0 Supplier	QTY 1  QTY 1  QTY 1  APSKC: QTY	UOM Ea  UOM Ea  UOM Ea  UOM Ea  UOM Ea  UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price \$191.50  Unit Price \$92.00  ess steel trim Unit Price	ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO  Manufacturing Part #  43RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply  177 Flange-S/O Steel Weld FIT 3"x4" Supplier Western Nevada Supply  178 CaL-VAL PRV #90-01 IPxIP 2" 90G-0	QTY 1  QTY 1  QTY 1  APSKC:	UOM Ea  UOM Ea  UOM Ea  UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price \$191.50  Unit Price \$92.00	ALLIED Brand Name ALLIED Brand Name ALLIED Brand Name ALLIED Brand Name ALLIED ALLIED	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO  Manufacturing Part #
Supplier Western Nevada Supply  174 Flange-S/O Steel Weld FIT 10" Supplier Western Nevada Supply  175 Flange-S/O Steel Weld FIT 12" Supplier Western Nevada Supply  176 Flange-S/O Steel Weld FIT 16" Supplier Western Nevada Supply  177 Flange-S/O Steel Weld FIT 3"x4" Supplier Western Nevada Supply  178 CaL-VAL PRV #90-01 IPxIP 2" 90G-0 Supplier	QTY 1  QTY 1  QTY 1  IAPSKC: QTY 1	UOM Ea  UOM Ea  UOM Ea  UOM Ea  UOM Ea	\$46.50  Unit Price \$80.00  Unit Price \$118.50  Unit Price \$191.50  Unit Price \$92.00  ess steel trim Unit Price \$2,760.00	ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name  ALLIED Brand Name	8RFSO  Manufacturing Part #  10RFSO  Manufacturing Part #  12RFSO  Manufacturing Part #  16RFSO  Manufacturing Part #  43RFSO  Manufacturing Part #

Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$3,150.00	CLA-VAL/Griswold	90G-01	
180 CaL-VAL PRV #90-01 FXF 4" 90G-01B				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$4,040.00	CLA-VAL/Griswold	90G-01	
191 Cal VAL DRV #00 01 EVE 6" 00C 01R	181 CaL-VAL PRV #90-01 FXF 6" 90G-01BPYKC 150# stainless steel trim					
			Unit Price	Brand Name	Manufacturing Part #	
Supplier Western Nevada Supply	QTY	UOM	\$5,950.00	CLA-VAL/Griswold	90G-01	
western nevada supply	1	Ea	\$5,950.00	CLA-VAL/Griswoid	90G-01	
182 CaL-VAL PRV #90-01 FXF 8" 90G-01B	PYKC 15	50# stainless	steel trim	Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$9,300.00	CLA-VAL/Griswold	90G-01	
183 Coupling 28.35 x 25.80 24" X 30"				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	<b>Unit Price</b>			
Western Nevada Supply	1	Ea	\$2,054.00	ROMAC	RC400	
184 Adaptor-CPLG 501 Ductile Iron AB Ba				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$80.00	ROMAC	501CR	
195 Adomtor CDI C 501 Dustile Iron AD D		<u> </u>		Brand Name	Manufacturing Dort #	
185 Adaptor-CPLG 501 Ductile Iron AB Ba		UOM	Unit Price	Brand Name	Manufacturing Part #	
Supplier Western Nevada Supply	QTY 1	Ea	\$96.00	ROMAC	501CR	
western nevada suppry	1	Ed	\$90.00	KUIVIAC	DUICK	
186 Coupling -STR Comp Barrel 10"				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price		0	
Western Nevada Supply	1	Ea	\$80.00	ROMAC	501CR	
187 Coupling End Ring 501 Black 16"				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$92.00	ROMAC	501ER	
188 Coupling End Ring 501 Red 16"				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$92.00	ROMAC	501ER	
100 lo 11 5 lo: 504 V II 46II				D 101	<b>1</b> 20	
189 Coupling End Ring 501 Yellow 16"	OTV	UOM	Hait Daise	<b>Brand Name</b>	Manufacturing Part #	
Supplier Western Nevada Supply	QTY 1	Ea	Unit Price \$92.00	ROMAC	501ER	
western Nevada Supply	1	Ed	\$92.00	RUIVIAC	SOTEK	
190 Coupling-STR COMP Barrel 4"				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$41.50	ROMAC	501CR	
191 Coupling-STR COM End Ring 4"				Brand Name	Manufacturing Part #	
Supplier	QTY	UOM	Unit Price			
Western Nevada Supply	1	Ea	\$15.00	ROMAC	501ER	

192 Coupling gasket 4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$7.00	ROMAC	501G
193   Coupling-STR COMP Barrel 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$47.00	ROMAC	501CR
194   Coupling-STR COMP End-Ring 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana itame	iniana actaining i are ii
Western Nevada Supply	1	Ea	\$25.50	ROMAC	501ER
195 CPLG-STR COMP Gasket 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$11.00	ROMAC	501G
196 Coupling Barrel 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivialiulacturing Part #
Western Nevada Supply	1	Ea	\$59.00	ROMAC	501CR
western Nevaua Suppry	1	La	Ş39.00	NOWAC	JOICH
197 Coupling-8" Ductile Iron End-Ring				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$35.00	ROMAC	501ER
198 Coupling Gasket 501 8"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$15.00	ROMAC	501G
199 Coupling End Ring 501 Black 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Wandlacturing Fait #
Western Nevada Supply	1	Ea		ROMAC	501ER
Western Nevada Supply	-	Lu	γ37.30	NOW!!	JOILN
200 Coupling End Ring 501 Red 10'				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$37.50	ROMAC	501ER
201 Coupling End Ring 501 Yellow 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$37.50	ROMAC	501ER
202 Coupling Gasket 501 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$28.00	ROMAC	501G
, , , , , , , , , , , , , , , , , , ,			,		
203 Coupling Gasket 501 16"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$48.00	ROMAC	501G
200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				D	
204   Coupling Comp Barrel 501 16"	<u> </u>	11011		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	DOMAG	F04 CD
Western Nevada Supply	1	Ea	\$300.00	ROMAC	501CR

205 Coupling Adapt 501 FCA 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		J
Western Nevada Supply	1	Ea	\$720.00	ROMAC	501FCA
206 Coupling Adapt FCA 12"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$793.50	ROMAC	501FCA
207 Coupling Gasket FCA 16"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$48.00	ROMAC	501G
208 Coupling ADPT FCA 16" OD 18.0				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		0 1
Western Nevada Supply	1	Ea	\$1,785.00	ROMAC	RFC400
209 24" Transition coupling 25.80 X 28.	52			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$2,054.00	ROMAC	RC400
210 Coupling Adpt 501 FCA 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Ivanie	Ivialidiacturing Fart #
Western Nevada Supply	1	Ea	\$227.00	ROMAC	501FCA
Trestant Capp.,	_		Ψ=27.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	502. 5.1
211 Coupling Adpt FCA 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$320.00	ROMAC	501FCA
212 Coupling Adpt FCA 501 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$397.50	ROMAC	501FCA
Face loss				I	1 1
213 Valve-M J Gate 4"	OTV	11004	Heit Deise	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price \$483.00	MALIELLED AVII	A22C1
Western Nevada Supply	1	Ea	\$483.00	MUELLER-AVK	A2361
214 Valve-M J Gate 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$616.00	MUELLER-AVK	A2361
215 Valve-Flanged Gate 3"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$428.00	MUELLER-AVK	A2361
216 Valve-Flanged Gate 4"				Brand Name	Manufacturing Part #
	<b></b>	11011		Drana Italiio	Wandactaring Fart #
Supplier	QTY	UOM	Unit Price		
	QTY 1	<b>UOM</b> Ea	<b>Unit Price</b> \$479.00	MUELLER-AVK	A2361
Supplier					

Western Nevada Suppl	ly 1	Ea	\$639.00	MUELLER-AVK	A2361
219 Value Florand Cate 9"				Brand Name	Manufacturing Part #
218 Valve-Flanged Gate 8"	OTV	UOM	Unit Price	brand Name	Manufacturing Part #
Supplier Western Nevada Suppl	QTY ly 1		\$999.00	MUELLER-AVK	A2361
western nevada suppi	ıy ı	Ea	\$999.00	WIUELLER-AVK	A2301
219 Valve-Flanged Gate 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		_
Western Nevada Suppl	ly 1	Ea	\$1,586.00	MUELLER-AVK	A2361
220 Valve-Flanged Gate 12"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Suppl		Ea	\$1,915.00	MUELLER-AVK	A2361
			<i>+ =/= == ::</i>		
221 Butterfly Valve FLG X FLG 16	II .			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Suppl	ly 1	Ea	\$3,563.00	MUELLER-PRATT	16FFBFV
222 Tee-Flanged 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Brand Name	ivialiulacturing Part #
Western Nevada Suppl		Ea	\$129.00	STAR	4FT
western nevada suppi	ıy <u>ı</u>	La	\$125.00	SIAN	461
223 Tee-Flanged 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Suppl	ly 1	Ea	\$160.00	STAR	6FT
224 Tee-Flanged 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
		<b>UOM</b> Ea	Unit Price \$267.00	Brand Name STAR	Manufacturing Part #
Supplier Western Nevada Suppl				STAR	8FT
Supplier					
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6"	QTY	Ea	\$267.00	STAR Brand Name	8FT
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier	QTY	Ea UOM	\$267.00 Unit Price	STAR Brand Name	8FT Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier	QTY	Ea UOM	\$267.00 Unit Price	STAR Brand Name	8FT Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl	QTY	Ea UOM	\$267.00  Unit Price \$231.00  Unit Price	STAR  Brand Name  STAR  Brand Name	Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10"	QTY 1 QTY 1	Ea UOM Ea	\$267.00 Unit Price \$231.00	STAR  Brand Name  STAR  Brand Name	Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl	QTY 1 QTY 1	UOM Ea	\$267.00  Unit Price \$231.00  Unit Price	STAR  Brand Name  STAR  Brand Name  STAR	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4"	QTY ly 1  QTY ly 1	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00	STAR  Brand Name  STAR  Brand Name	8FT  Manufacturing Part #  86FT  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier	QTY ly 1  QTY  QTY  QTY	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4"	QTY ly 1  QTY  QTY  QTY	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00	STAR  Brand Name  STAR  Brand Name  STAR	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier	QTY ly 1  QTY  QTY  QTY	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl	QTY ly 1  QTY  QTY  QTY	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl  228 Elbow- Flanged 90° 6"	QTY Iy 1  QTY Iy 1  QTY Iy 1	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price \$79.00	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl  228 Elbow- Flanged 90° 6" Supplier Western Nevada Suppl	QTY Iy 1  QTY Iy 1  QTY Iy 1	UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price \$79.00  Unit Price	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl  228 Elbow- Flanged 90° 6" Supplier Western Nevada Suppl  229 Elbow- Flanged 90° 8"	QTY Iy  QTY Iy  QTY Iy  QTY Iy  1	UOM Ea UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price \$79.00  Unit Price \$110.00	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl  228 Elbow- Flanged 90° 6" Supplier Western Nevada Suppl  229 Elbow- Flanged 90° 8" Supplier	QTY ly 1  QTY ly 1  QTY ly 1  QTY ly 1	UOM Ea UOM Ea UOM	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price \$79.00  Unit Price \$110.00	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90  Manufacturing Part #  6F90  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl  228 Elbow- Flanged 90° 6" Supplier Western Nevada Suppl  229 Elbow- Flanged 90° 8"	QTY ly 1  QTY ly 1  QTY ly 1  QTY ly 1	UOM Ea UOM Ea UOM Ea	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price \$79.00  Unit Price \$110.00	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90  Manufacturing Part #
Supplier Western Nevada Suppl  225 Tee-Flange 8"x6" Supplier Western Nevada Suppl  226 Tee-Flanged 10" Supplier Western Nevada Suppl  227 Elbow- Flanged 90° 4" Supplier Western Nevada Suppl  228 Elbow- Flanged 90° 6" Supplier Western Nevada Suppl  229 Elbow- Flanged 90° 8" Supplier	QTY ly 1  QTY ly 1  QTY ly 1  QTY ly 1	UOM Ea UOM Ea UOM	\$267.00  Unit Price \$231.00  Unit Price \$406.00  Unit Price \$79.00  Unit Price \$110.00	STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name  STAR  Brand Name	8FT  Manufacturing Part #  86FT  Manufacturing Part #  10FT  Manufacturing Part #  4F90  Manufacturing Part #  6F90  Manufacturing Part #

Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$63.00	STAR	6MJ90
The content of the co	_	_~	φουσο	<b>5</b> //	0.11.000
231 6" MJ x MJ 45°	,			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$51.00	STAR	6MJ45
232 Valve - Flanged Check 3"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$288.00	MATCO	3FFCV
					T • · · - · · · 1
233 Valve - Flanged Check 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	NAATCO	AFFCV
Western Nevada Supply	1	Ea	\$401.00	MATCO	4FFCV
234 Valve - Flanged Check 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	International Training Fait m
Western Nevada Supply	1	Ea	\$851.00	MATCO	6FFCV
Western Nevada Sappiy	_	20	φοσ1.00	111111111111111111111111111111111111111	01101
235 Valve - Flanged Check 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	L	
Western Nevada Supply	1	Ea	\$1,424.00	MATCO	8FFCV
236 Valve - Flanged Check 10"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$2,023.00	MATCO	10FFCV
237 Valve - Flanged Check 12"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		407701/
Western Nevada Supply	1	Ea	\$2,727.00	MATCO	12FFCV
238 Valve - Flanged Butterfly 14"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Brand Name	Ivialiulacturing Part #
Western Nevada Supply	1	Ea	\$1,995.00	MUELLER-PRATT	14FFBFV
Western Nevada Sappry	_	Lu	71,333.00	WOLLER	1411011
239 Valve - Push On 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	L	
Western Nevada Supply	1	Ea	\$464.00	MUELLER-AVK	A2361
240 Valve- Push X Flange 4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$455.00	MUELLER-AVK	A2361
241 Elbow- Push On 90° 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		12000
Western Nevada Supply	1	Ea	\$66.00	STAR	4PO90
242 Filham Buck On 000 Cll				Duand Name	Manufasturius D. J. II
242 Elbow- Push On 90° 6"		UOM	Heit Dein-	<b>Brand Name</b>	Manufacturing Part #
Supplier Western Novada Supply	QTY 1		Unit Price	CTAD	60000
Western Nevada Supply	1	Ea	\$105.00	STAR	6PO90

243 Elbow- Push On 90° 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$156.00	STAR	8PO90
244 Elbow- Push On 90° 10"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$210.00	STAR	10PO90
245   Elbow- Push On 90° 12"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$710.00	STAR	12PO90
246 Push On x Flange Adpt 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Wandlacturing Fart #
Western Nevada Supply	1	Ea	\$63.00	STAR	4POFA
Western Nevada Supply	-	Lu	Ç03.00	317111	41 0171
247 Push On x Flange Adpt 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$89.00	STAR	6POFA
248 Push On x Flange Adpt 8"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$120.00	STAR	8POFA
249 Flange x Flange Di Adpt 3"x4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$49.00	STAR	43FR
250 Flange x Flange Di Adpt 4"x6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	Widthardetaring Fare #
Western Nevada Supply	1	Ea	\$76.00	STAR	64FR
Western Nevada Sappiy	-	Lu	γ, σ.σσ	317111	OTIN
251 Flange x Flange Di Adpt 6"x8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$123.00	STAR	86FR
252 Cap-Push On 4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$33.00	STAR	4POCAP
253   Cap-Push On 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	07.10	600017
Western Nevada Supply	1	Ea	\$74.00	STAR	6POCAP
254 Cap-Push On 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$77.00	STAR	8POCAP
- A STATE OF THE S			<del>_</del>		
255 Cap-Push On 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<u> </u>
Western Nevada Supply	1	Ea	\$98.00	STAR	10POCAP

256 Cap-Push On 12"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		, <b>6</b>
Western Nevada Supply	1	Ea	\$138.00	STAR	12POCAP
257 Elbow- PO 45° 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$89.00	STAR	6PO45
258 Elbow-Push On 45° 8"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$130.00	STAR	8PO45
250 Wellin Colle Diele Colle Elle Cil				Duonal Marris	Daniel Land
259 Valve-Gate Push On x Flange 4"	OTY	LIONA	Heit Deice	Brand Name	Manufacturing Part #
Supplier Wortern Novada Supply	QTY	UOM	Unit Price \$455.00	MUELLER-AVK	A2361
Western Nevada Supply	1	Ea	Ş455.UÜ	WIUELLEK-AVK	HZ301
260 Valve-Gate Push On x Flange 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Hanie	imanaractaring Fart #
Western Nevada Supply	1	Ea	\$599.00	MUELLER-AVK	A2361
I Stell Herada Supply	_		φυυσιού		
261 Valve-Gate Push On X Flange 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$945.00	MUELLER-AVK	A2361
262 Valve-Gate Push On X Flange 12"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1,799.00	MUELLER-AVK	A2361
263   12" Push On X 12" Push On X 6" Flan	-			Brand Name	Manufacturing Part #
Supplier  Western Neverle County	QTY	UOM	Unit Price	CTAD	13CDOFT
Western Nevada Supply	1	Ea	\$304.00	STAK	126POFT
264 8" Push On x 8" Push On X 6" Flange	Too			Brand Name	Manufacturing Part #
Supplier Supplier	QTY	UOM	Unit Price	שומווע ואמווופ	ivianulacturing Part #
Western Nevada Supply	1	Ea	\$179.00	STAR	86POFT
western nevada suppry	4	Lu	71/3.00	JIAN	001 01 1
265 Clamp-DBL Lug 3/4" Tap 4x16"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	2. a.i.a. itailic	aa.aacaiiiig i aicii
Western Nevada Supply	1	Ea	\$354.00	ROMAC	CL2T
			, 5550	2111112	,
266 Clamp-Single Lug Tap IP 6 X 12 X 2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		·
Western Nevada Supply	1	Ea	\$400.00	ROMAC	CL2T
267 Clamp- Double Lug Tap IP 6 "X 12" X	1"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$400.00	ROMAC	CL2T
268   Clamp-DBL Lug Tap 6x16"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		

Western Nevada Su	ipply 1	Ea	\$400.00	ROMAC	CL2T
Western Nevada Su	трріу т	La	\$400.00	NOWAC	CLZI
269 Clamp 12"x16" Single Lug	7			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Brana Name	ivianaractaring rare ii
Western Nevada Su		Ea	\$332.00	ROMAC	CL1
Western Nevada sa		24	φ302.00	1101111110	321
270   Clamp 12"X 30" Single Lu	g			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<u> </u>
Western Nevada Su		Ea	\$640.00	ROMAC	CL1
	,				
271 Clamp-Double LUG 4x10"	ı			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Su	ipply 1	Ea	\$180.00	ROMAC	CL2
272 Clamp-Double LUG 6x10"	1			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		_
Western Nevada Su	ipply 1	Ea	\$192.00	ROMAC	CL2
273 Clamp-Double LUG 8x10"	1			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Su	ipply 1	Ea	\$208.00	ROMAC	CL2
274 Clamp-Double LUG 8" X 1	12"			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Su	ipply 1	Ea	\$228.00	ROMAC	CL2
275 Clamp-Double LUG 8x16"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
· ·	QTY	<b>UOM</b> Ea	Unit Price \$287.00	Brand Name ROMAC	Manufacturing Part #
Supplier Western Nevada Su	QTY upply 1			ROMAC	CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X	QTY upply 1 12"	Ea	\$287.00		
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier	QTY upply 1  12"  QTY	Ea UOM	\$287.00 Unit Price	ROMAC  Brand Name	CL2 Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X	QTY upply 1  12"  QTY	Ea	\$287.00	ROMAC  Brand Name	CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su	QTY upply 1  12"  QTY upply 1	Ea UOM	\$287.00 Unit Price	ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10	QTY upply 1  12" QTY upply 1	UOM Ea	\$287.00 Unit Price \$332.00	ROMAC  Brand Name	CL2 Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier	QTY upply 1  12"  QTY upply 1  O"  QTY	UOM Ea	\$287.00  Unit Price \$332.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10	QTY upply 1  12"  QTY upply 1  O"  QTY	UOM Ea	\$287.00 Unit Price \$332.00	ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  Western Nevada Su	QTY upply 1  12" QTY upply 1  O" QTY upply 1	UOM Ea	\$287.00  Unit Price \$332.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20	QTY Ipply 1  12" QTY Ipply 1  O" QTY Ipply 1	UOM Ea UOM Ea	\$287.00  Unit Price \$332.00  Unit Price \$288.00	ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier	QTY upply 1  12" QTY upply 1  O" QTY upply 1	UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20	QTY upply 1  12" QTY upply 1  O" QTY upply 1	UOM Ea UOM Ea	\$287.00  Unit Price \$332.00  Unit Price \$288.00	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  Vestern Nevada Su	QTY Ipply 1  12" QTY Ipply 1  O" QTY Ipply 1  QTY Ipply 1	UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30	QTY upply 1  12" QTY upply 1  O" QTY upply 1  OTY upply 1	UOM Ea UOM Ea	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X : Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier	QTY upply 1  12" QTY upply 1  O" QTY upply 1  OTY upply 1  OTY upply 1	UOM Ea UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30	QTY upply 1  12" QTY upply 1  O" QTY upply 1  OTY upply 1  OTY upply 1	UOM Ea UOM Ea	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier Western Nevada Su	QTY IIPPly 1  12"  QTY IIPPly 1  O"  QTY IIPPly 1  OTY IIPPly 1  OTY IIPPly 1	UOM Ea UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier Western Nevada Su  280 Clamp-Double LUG 14x16	QTY Ipply 1  12" QTY Ipply 1  O" QTY Ipply 1  OTY Ipply 1  OTY Ipply 1	UOM Ea UOM Ea UOM Ea	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00  Unit Price \$794.00	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier Western Nevada Su  280 Clamp-Double LUG 14x16 Supplier	QTY IIPPly 1  12"  QTY IIPPly 1  O"  QTY IIPPly 1  OTY IIPPly 1  OTY IIPPly 1  OTY IIPPly 1	UOM Ea UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00  Unit Price \$794.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier Western Nevada Su  280 Clamp-Double LUG 14x16	QTY IIPPly 1  12"  QTY IIPPly 1  O"  QTY IIPPly 1  OTY IIPPly 1  OTY IIPPly 1  OTY IIPPly 1	UOM Ea UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00  Unit Price \$794.00	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #
Supplier Western Nevada Su  276 Clamp-Double LUG 10"X Supplier Western Nevada Su  277 Clamp-Double LUG 12x10 Supplier Western Nevada Su  278 Clamp-Double LUG 12x20 Supplier Western Nevada Su  279 Clamp-Double LUG 12x30 Supplier Western Nevada Su  280 Clamp-Double LUG 14x16 Supplier	QTY Ipply 1  12"  QTY Ipply 1  O"  QTY Ipply 1  O"  QTY Ipply 1  O"  QTY Ipply 1  OTY Ipply 1	UOM Ea UOM Ea UOM	\$287.00  Unit Price \$332.00  Unit Price \$288.00  Unit Price \$527.00  Unit Price \$794.00  Unit Price	ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #  CL2  Manufacturing Part #

Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$794.00	ROMAC	CL2
282 Double Lug Clamp 12" x 18" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$527.00	ROMAC	CL2
283 Single Lug Clamp 14" x 20" long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana itanic	manacaming rare ii
Western Nevada Supply	1	Ea	\$799.00	ROMAC	CL1
			4.00.00		
284 Clamp-Double LUG 16"x 8" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$385.00	ROMAC	CL2
285 Clamp-Double LUG 16"x 16"long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$672.00	ROMAC	CL2
200 Cinals Luz Claure 1911 v 2011 laure				Brand Name	Manufacturing Doub #
286   Single Lug Clamp 18" x 30" long	QTY	UOM	Unit Price	brand Name	Manufacturing Part #
Supplier Wortern Novada Supply	1	Ea	\$1,446.00	ROMAC	CL1
Western Nevada Supply	1	Ed	\$1,440.00	KUIVIAC	CLI
287 Clamp-Double LUG 24" x 20" long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1,726.00	ROMAC	CL2
288 Clamp Single Lug 6" X 12" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$172.00	ROMAC	CL1
					1
289 Clamp Single Lug 6" X 16" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$266.00	ROMAC	CL1
200 Voko Motor From Costed 5/9" v 2/4	" v202			Brand Name	Manufacturing Dort #
290 Yoke-Meter Epoxy Coated 5/8" x 3/4 Supplier	QTY	UOM	Unit Price	brand Name	Manufacturing Part #
Western Nevada Supply	1	Ea	\$26.65	FORD-MUELLER	Y202
Western Nevada Suppry	4	La	720.03	TOND-WIOLLER	1202
291 Yoke-Meter Epoxy Coated 1" Y504				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<b>6</b>
Western Nevada Supply	1	Ea	\$32.35	FORD-MUELLER	Y504
292   Gauge Pressure 0-160 2 1/2" Dial Fac				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$30.38	MILJOCO	PLF2598LZ07SS
				<b>a</b>	
293 3/4 FM Hose x Swivel 1/4 FMPT	<u> </u>	11011		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	DACCO	244411
Western Nevada Supply	1	Ea	\$6.50	PASCO	3414H

Supplier   QTY   UOM   Unit Price   Supplier   QTY   UOM   Unit Price   Western Nevada Supply   1   Ea   \$30.38   MILIOCO   PLF2598LZ07SS	294   Gauge-Pressure 0-200 2 1/2" Dial F	Face			Brand Name	Manufacturing Part #
295   Gauge-Pressure 0-300 2 1/2" Dial Face   Supplier   QTY   UOM   Unit Price   Western Nevada Supply   1   Ea   \$30.38   MILUOCO   PLF2598L208SS			UOM	Unit Price		
Supplier	Western Nevada Supply	1	Ea	\$30.38	MILJOCO	PLF2598LZ07SS
Supplier						
Western Nevada Supply 1 Ea \$30.38 MILLOCO PLF2598L208SS  296   Gauge - Pressure 0-200 4" Dial Face Western Nevada Supply 1 Ea \$66.25 MARSH X32509P  297   Gauge-Well SNDG 0-390 4 1/2" Dial Face Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  298   Gauge Pressure 0-200 4 1/2" Dial Face Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  299   Snubber-Pressure 1/4" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  299   Snubber-Pressure 1/4" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$34.00 MILLOCO 1250-25-8-2  300   4" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$51.00 MAC 4GDI  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$55.00 MAC 4GDI  302   8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 MAC 6GDI  302   8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 MAC 6GDI  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 MAC 6GDI  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 MAC 6GDI  304   12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 MAC 8GDI  305   Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  306   Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  306   Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$17.79   Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$150.00 ROMAC 12GDI	295   Gauge-Pressure 0-300 2 1/2" Dial I	Face			<b>Brand Name</b>	Manufacturing Part #
Brand Name   Manufacturing Part #		QTY	UOM			
Supplier Western Nevada Supply 1 Ea S10.40  297   Gauge-Well SNDG 0-390 4 1/2" Dial Face Western Nevada Supply 1 Ea S110.40  298   Gauge Pressure 0-200 4 1/2" Dial Face Supplier QTY UOM WikA 233.34  298   Gauge Pressure 0-200 4 1/2" Dial Face Supplier QTY UOM WikA 233.34  299   Snubber-Pressure 1/4" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S110.40  299   Snubber-Pressure 1/4" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S34.00  300   4" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S51.00  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S59.00  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S59.00  302   8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S84.00  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S84.00  304   12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S84.00  305   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  305   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  306   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  306   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  307   Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  308   Gasket-Ring Fullface Rubber 2"   Brand Name   Manufacturing Part #	Western Nevada Supply	1	Ea	\$30.38	MILJOCO	PLF2598LZ08SS
Supplier Western Nevada Supply 1 Ea S10.40  297   Gauge-Well SNDG 0-390 4 1/2" Dial Face Western Nevada Supply 1 Ea S110.40  298   Gauge Pressure 0-200 4 1/2" Dial Face Supplier QTY UOM WikA 233.34  298   Gauge Pressure 0-200 4 1/2" Dial Face Supplier QTY UOM WikA 233.34  299   Snubber-Pressure 1/4" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S110.40  299   Snubber-Pressure 1/4" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S34.00  300   4" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S51.00  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S59.00  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S59.00  302   8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S84.00  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S84.00  304   12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S84.00  305   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  305   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  306   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  306   Gasket-Ring Fullface Rubber 2" Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  307   Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea S120.00  308   Gasket-Ring Fullface Rubber 2"   Brand Name   Manufacturing Part #					<u> </u>	
Brand Name			11004	11.11.0.1	Brand Name	Manufacturing Part #
297   Gauge-Well SNDG 0-390 4 1/2" Dial Face   Supplier   QTY   UOM   Unit Price   Western Nevada Supply   1   Ea   \$110.40   WIKA   233.34					NAADCII	V22500D
Supplier Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  298   Gauge Pressure 0-200 4 1/2" Dial Face Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  299   Snubber-Pressure 1/4"   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$34.00 MILIOCO 1250-25-B-2  300   4" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301   6" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 4GDI  301   6" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302   8" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303   10" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price   Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price   Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305   Gasket-Ring Fullface Rubber 2"   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price   Western Nevada Supply 1 Ea \$7.79 CIR 98206	western Nevada Supply	1	Ed	\$66.25	IVIAKSH	X325U9P
Supplier Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  298   Gauge Pressure 0-200 4 1/2" Dial Face Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  299   Snubber-Pressure 1/4"   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$34.00 MILIOCO 1250-25-B-2  300   4" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301   6" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 4GDI  301   6" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302   8" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303   10" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305   Gasket-Ring Fullface Rubber 2"   Brand Name   Manufacturing Part #    Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206	297   Gauge-Well SNDG 0-390 4 1/2" Dia	al Face			Brand Name	Manufacturing Part #
Western Nevada Supply   1 Ea    \$110.40   WIKA   233.34	-		UOM	Unit Price		3
Supplier   QTY   UOM   Unit Price   Western Nevada Supply   1   Ea   S120.00   Snubber-Pressure 0.200 4 1/2" Dial Face   Wikka   233.34	• •		Ea	\$110.40	WIKA	233.34
Supplier Western Nevada Supply 1 Ea \$110.40 WIKA 233.34  299   Snubber-Pressure 1/4"   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$34.00 MILLOCO 1250-25-B-2  300   4" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301   6" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302   8" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303   10" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303   10" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305   Gasket-Ring Fullface Rubber 2"   Brand Name   Manufacturing Part #   Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206	• • •					
Western Nevada Supply   1   Ea   \$110.40   WIKA   233.34	298 Gauge Pressure 0-200 4 1/2" Dial F	ace			<b>Brand Name</b>	Manufacturing Part #
Supplier   QTY   UOM   Unit Price   Western Nevada Supply   1   Ea   \$34.00   MILJOCO   1250-25-B-2	Supplier	QTY	UOM	Unit Price		
Supplier Western Nevada Supply 1 Ea \$34.00 MILIOCO 1250-25-B-2  300 4" Grip Ring Restraint Supplier Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301 6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$55.00 ROMAC 4GDI  302 8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302 8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303 10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206  307 GIR Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206  308 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206	Western Nevada Supply	1	Ea	\$110.40	WIKA	233.34
Supplier Western Nevada Supply 1 Ea \$34.00 MILJOCO 1250-25-B-2  300 4" Grip Ring Restraint Supplier Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301 6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$55.00 ROMAC 4GDI  302 8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302 8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303 10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206  Brand Name Manufacturing Part #						
Western Nevada Supply 1 Ea \$34.00 MILLOCO 1250-25-B-2    300   4" Grip Ring Restraint					Brand Name	Manufacturing Part #
Supplier   QTY   UOM   Unit Price   Western Nevada Supply   1   Ea   \$51.00   ROMAC   4GDI	• •					
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302   8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305   Gasket-Ring Fullface Rubber 2" Romac Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  306   Gasket-Ring Fullface Rubber 2" Romac Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  307   Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206	Western Nevada Supply	1	Ea	\$34.00	MILJOCO	1250-25-B-2
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301   6" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302   8" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303   10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304   12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305   Gasket-Ring Fullface Rubber 2" Romac Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  306   Gasket-Ring Fullface Rubber 2" Romac Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  307   Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206	200 All Cuin Ring Restuciat				Duand Name	Manufacturing Doub #
Western Nevada Supply 1 Ea \$51.00 ROMAC 4GDI  301 6" Grip Ring Restraint		OTV	LIOM	Linit Drice	Brand Name	Ivianutacturing Part #
Brand Name   Manufacturing Part #					ROMAC	4GDI
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302 8" Grip Ring Restraint	Western Nevada Supply	1	La	<b>331.00</b>	NOWAC	4001
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$59.00 ROMAC 6GDI  302 8" Grip Ring Restraint Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303 10" Grip Ring Restraint Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  305 Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$77.79 CIR 98206	301 6" Grip Ring Restraint				Brand Name	Manufacturing Part #
Brand Name   Manufacturing Part #		QTY	UOM	Unit Price		<u> </u>
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303 10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206	Western Nevada Supply	1	Ea	\$59.00	ROMAC	6GDI
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303 10" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206						
Western Nevada Supply 1 Ea \$84.00 ROMAC 8GDI  303 10" Grip Ring Restraint Supplier Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 Brand Name Manufacturing Part #	302 8" Grip Ring Restraint				<b>Brand Name</b>	Manufacturing Part #
303   10" Grip Ring Restraint   Brand Name   Manufacturing Part #	Supplier	QTY	UOM			
Supplier Western Nevada Supply  1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier Western Nevada Supply  1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier Western Nevada Supply  1 Ea \$163.00 ROMAC 12GDI  Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price	Western Nevada Supply	1	Ea	\$84.00	ROMAC	8GDI
Supplier Western Nevada Supply  1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier Western Nevada Supply  1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier Western Nevada Supply  1 Ea \$163.00 ROMAC 12GDI  Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price						
Western Nevada Supply 1 Ea \$120.00 ROMAC 10GDI  304 12" Grip Ring Restraint Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 Brand Name Manufacturing Part # Supplier QTY UOM Unit Price					Brand Name	Manufacturing Part #
304   12" Grip Ring Restraint   Brand Name   Manufacturing Part #	• •				DOM410	1000
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price	Western Nevada Supply	1	Ea	\$120.00	ROMAC	10GDI
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price	304 12" Grin Ring Restraint				Brand Name	Manufacturing Part #
Western Nevada Supply 1 Ea \$163.00 ROMAC 12GDI  305 Gasket-Ring Fullface Rubber 2" Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Brand Name Manufacturing Part #  Supplier QTY UOM Unit Price		ОТУ	UOM	Unit Price	Diana Haine	imanaractaring Falt #
305 Gasket-Ring Fullface Rubber 2"  Supplier  Western Nevada Supply  1 Ea \$7.79  CIR 98206  306 Gasket-Ring Fullface Rubber 3"  Supplier  QTY UOM Unit Price  Brand Name Manufacturing Part #  98206  Brand Name Manufacturing Part #  Unit Price	• •				ROMAC	12GDI
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price	Trester. Herada suppry	-		φ100.00		
Supplier QTY UOM Unit Price Western Nevada Supply 1 Ea \$7.79 CIR 98206  306 Gasket-Ring Fullface Rubber 3" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price	305 Gasket-Ring Fullface Rubber 2"				Brand Name	Manufacturing Part #
306 Gasket-Ring Fullface Rubber 3" Brand Name Manufacturing Part # Supplier QTY UOM Unit Price		QTY	UOM	Unit Price		
Supplier QTY UOM Unit Price	Western Nevada Supply	1	Ea	\$7.79	CIR	98206
Supplier QTY UOM Unit Price						
	-				Brand Name	Manufacturing Part #
Western Nevada Supply 1 Ea \$11.80 CIR 98206		QTY				
	Western Nevada Supply	1	Ea	\$11.80	CIR	98206

307 Gasket-Ring Fullface Rubber 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$12.00	US PIPE	4FTG
308 Gasket-Ring Fullface Rubber 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$16.00	US PIPE	6FTG
309 Gasket-Ring Fullface Rubber 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$21.00	US PIPE	8FTG
310 Gasket-Ring Fullface Rubber 10"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$24.00	US PIPE	10FTG
				Duna d Mari	Bannata a a a a
311   Gasket-Ring Fullface Rubber 12"	OTY	11084	Heit Dein	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	LIC DIDE	12570
Western Nevada Supply	1	Ea	\$26.00	US PIPE	12FTG
312 Gasket-Ring Fullface Rubber 24"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	1	
Western Nevada Supply	1	Ea	\$94.00	US PIPE	24FTG
313 Gasket-Ring Fullface Rubber 14"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		1
Western Nevada Supply	1	Ea	\$44.00	US PIPE	14FTG
214 Cosket Bing Fullface Bubber 16"				Brand Name	Manufacturing Part #
314   Gasket-Ring Fullface Rubber 16" Supplier	QTY	UOM	Unit Price	brand Name	Ivialiulacturilig Part #
Western Nevada Supply	1	Ea		US PIPE	16FTG
Western Nevada Suppry		La	٠٠٠ <del>-</del> ۲٥٠	031112	10110
315 Gasket-Tyton DI/CI Rubber 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$6.67	US PIPE	4TJG
316 Gasket-Tyton DI/CI Rubber 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$8.34	US PIPE	6TJG
317 Gasket-Tyton DI/CI Rubber 8"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	טומווע ואמווופ	Ivianulacturing Part #
Western Nevada Supply	1	Ea	\$11.67	US PIPE	8TJG
Trestern Nevada Supply			—  —	JJ111 E	0100
318 Gasket-Tyton DI/CI Rubber 10"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$16.67	US PIPE	10TJG
319 Gasket-Tyton DI/CI Rubber 12"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		

Mastara Navada Curali	1	Г-	ć10 <b>2</b> 4	LIC DIDE	12TIC
Western Nevada Supply	1	Ea	\$18.34	US PIPE	12TJG
220   C   .   T.   .   DI/OLD   I.   .   4.5				Duan d Name	
320 Gasket-Tyton DI/CI Rubber 16"	OTV	11004	Unit Drive	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	LIC DIDE	16716
Western Nevada Supply	1	Ea	\$40.00	US PIPE	16TJG
321 Gasket-AC/CI Rubber Trans 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivianulacturing Fait #
Western Nevada Supply	1	Ea	\$3.42	US PIPE	4ACWR
western wevada Supply	<b>-</b>	La	γ <b>3.</b> 42	OST II L	ACWIN
322 Gasket-AC/IPS Rubber Trans 4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana name	
Western Nevada Supply	1	Ea	\$22.38	US PIPE	4TJTG
··· coto.··· ··· crada capp.··	_		γ==:00		
323 Gasket-AC/CI Rubber Trans 6"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$17.79	US PIPE	6ACWR
324 Gasket-ACxIPS Rubber Tran 6"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$27.73	US PIPE	6TJTG
325 Gasket-AC/CI Rubber Trans 8"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$5.88	US PIPE	8ACWR
326   Gasket-AC/IPS Rubber Trans 8"				<b>Brand Name</b>	Manufacturing Part #
Jan Capiter / to/ 11 & 11 and Ci 11 and C					
Supplier	QTY	UOM	Unit Price		
	QTY 1	<b>UOM</b> Ea	Unit Price \$20.47	US PIPE	8TJTG
Supplier Western Nevada Supply					
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber	1	Ea	\$20.47	US PIPE Brand Name	8TJTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier	1 QTY	Ea UOM	\$20.47 Unit Price	Brand Name	Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber	1	Ea	\$20.47	Brand Name	
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply	1 QTY	Ea UOM	\$20.47 Unit Price	Brand Name TYLER	Manufacturing Part # 4GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber	QTY	UOM Ea	\$20.47 Unit Price \$3.25	Brand Name	Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier	QTY 1	UOM Ea	\$20.47  Unit Price \$3.25  Unit Price	Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber	QTY	UOM Ea	\$20.47 Unit Price \$3.25	Brand Name TYLER	Manufacturing Part # 4GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply	QTY 1	UOM Ea	\$20.47  Unit Price \$3.25  Unit Price	Brand Name  TYLER  Brand Name  TYLER	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber	QTY 1  QTY 1	UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55	Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Supplier	QTY 1  QTY 1	UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55	Brand Name  TYLER  Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber	QTY 1  QTY 1	UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55	Brand Name  TYLER  Brand Name  TYLER	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  Western Nevada Supply	QTY 1  QTY 1	UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55	Brand Name  TYLER  Brand Name  TYLER  Brand Name  TYLER  TYLER	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber	QTY 1  QTY 1	UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15	Brand Name  TYLER  Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Supplier Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15	Brand Name  TYLER  Brand Name  TYLER  Brand Name  TYLER  Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber	QTY 1  QTY 1	UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15	Brand Name  TYLER  Brand Name  TYLER  Brand Name  TYLER  TYLER	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15	Brand Name TYLER Brand Name TYLER Brand Name TYLER Brand Name TYLER Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG  Manufacturing Part #  10GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  331 Gasket-Tyler Grip Tite Rubber	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15  Unit Price \$8.45	Brand Name  TYLER  Brand Name  TYLER  Brand Name  TYLER  Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  331 Gasket-Tyler Grip Tite Rubber Supplier Supplier Supplier Supplier Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15  Unit Price \$8.45	Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG  Manufacturing Part #  10GTG  Manufacturing Part #
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  331 Gasket-Tyler Grip Tite Rubber	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15  Unit Price \$8.45	Brand Name TYLER Brand Name TYLER Brand Name TYLER Brand Name TYLER Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG  Manufacturing Part #  10GTG
Supplier Western Nevada Supply  327 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  328 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  329 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  330 Gasket-Tyler Grip Tite Rubber Supplier Western Nevada Supply  331 Gasket-Tyler Grip Tite Rubber Supplier Supplier Supplier Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$20.47  Unit Price \$3.25  Unit Price \$4.55  Unit Price \$7.15  Unit Price \$8.45	Brand Name  TYLER  Brand Name	Manufacturing Part #  4GTG  Manufacturing Part #  6GTG  Manufacturing Part #  8GTG  Manufacturing Part #  10GTG  Manufacturing Part #

	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$150.00	HRP	BRK
333  I	Hydrant-WTRS Trfc Rpr Kit				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$150.00	HRP	TRK
334 I	Hydrant-WTRS Stpipe Ext 6"				Brand Name	Manufacturing Part #
<u> </u>	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$388.00	HRP	6WEX
335 I	Hydrant-WTRS Stpipe Ext 12"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$453.00	HRP	12WEX
226	Hydrant-WTRS Ext Kit 18"				Brand Name	Manufacturing Part #
336	Supplier	QTY	UOM	Unit Price	brand Name	Ivianulacturing Part #
	Western Nevada Supply	1	Ea	\$601.00	HRP	18WEX
	Western Nevada Suppry	1	La	Ş001.00	TIM	IOWLX
337 I	Hyd Muler Ext Kit A301006 6"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$310.78	MUELLER	A320-006
338 I	Hyd Muler Ext Kit A301010 12"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$365.98	MUELLER	A320-010
339	Hyd Muler Ext Kit A320-016 18"				Brand Name	Manufacturing Part #
339	Supplier	QTY	UOM	Unit Price	Diana Name	Ivianulacturing Fait #
	Western Nevada Supply	1	Ea	\$414.58	MUELLER	A320-016
	or colors and outpay	_		7 12 1100		7.020 020
340 I	Hyd Muler Sfty Flg Kit A301				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$148.49	MUELLER	A301
341  I	Hydrant Muler SFTY FLG KIT A307				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		1207
	Western Nevada Supply	1	Ea	\$214.17	MUELLER	A307
342	Stem Mueller 1987 & later 27 1/2"				Brand Name	Manufacturing Part #
<u> </u>	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$182.02	MUELLER	A11
343	Stem Mueller MOD Cent Muel				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$154.91	MUELLER	A58
244	Clause Band Ald Badi Charles de Ch	. 1011 1			Duon el Nove	Manufacturing Death
344	Clamp-Band-Aid Redi Standard 12"		ng UOM	Unit Price	Brand Name	Manufacturing Part #
	Supplier Western Nevada Supply	QTY 1	Ea	\$234.00	SMITH-BLAIR	226-1210
	vvestern nevada supply	1	La	۶ <u>۲</u> 54.00	SIVII I II-DLAIK	220-1210

345 Clamp-Redi Standard 12" x 6" long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$227.00	SMITH-BLAIR	226-126
346 Clamp-Redi Standard 1/2" IP x 3" Ic				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		222.122
Western Nevada Supply	1	Ea	\$7.00	SMITH-BLAIR	226-123
347 Clamp-Redi Standard 3/4 IP x 3" lor	าต			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	ivianaraccaming rare ii
Western Nevada Supply	1	Ea	\$7.00	SMITH-BLAIR	226-343
,			·		
348 Clamp-Redi Standard 1" IP x 3" long	3			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$7.00	SMITH-BLAIR	226-13
240 Clamp Bodi Standard 1.1/4" ID v. 2"	long			Drond Nome	Manufacturing Davit #
349 Clamp-Redi Standard 1 1/4" IP x 3" Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
Western Nevada Supply	1	Ea	\$10.00	SMITH-BLAIR	226-1143
western Nevada Supply	1	Ed	\$10.00	SIVII I H-DLAIK	220-1145
350 Clamp-Redi Standard 1 1/2" IP x 3"	long			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<b>0</b>
Western Nevada Supply	1	Ea	\$10.00	SMITH-BLAIR	226-1123
351 Clamp-Redi Standard 2" IP x 3" long	3			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$10.00	SMITH-BLAIR	226-23
				<b>a</b> 101	
352 Clamp-Redi Standard 1/2" x 6" long		11004	11.21.52	Brand Name	Manufacturing Part #
Supplier Western Nevada Supply	QTY 1	UOM Ea	Unit Price	CMITH DI AID	226-126
Western Nevada Supply	1	Ed	\$11.00	SMITH-BLAIR	220-120
353 Clamp-Redi Standard 3/4" IP x 6" lo	ng			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$11.00	SMITH-BLAIR	226-346
354 Clamp-Redi Standard 1" IP x 6" long	3			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$11.00	SMITH-BLAIR	226-16
2FF Clamp Badi Chandand 4 4 /4 II ID CII	lar-			Drand Name	Manufacturing Dant #
355 Clamp-Redi Standard 1 1/4" IP x 6"		UOM	Unit Price	<b>Brand Name</b>	Manufacturing Part #
Supplier Western Nevada Supply	QTY 1	Ea	\$12.00	SMITH-BLAIR	226-1146
western nevaua supply	1	Ld	\$12.00	SIVILI III-DLAIK	220-1140
356 Clamp-Redi Standard 1 1/2" IP x 6"	long			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	1	
Western Nevada Supply	1	Ea	\$12.00	SMITH-BLAIR	226-1126
357 Clamp-Redi Standard 2" IP x 6" long	3			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$12.00	SMITH-BLAIR	226-26

358 Clamp-Redi Standard 3" steel x 6" lo	ong			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		, ,
Western Nevada Supply	1	Ea	\$34.00	SMITH-BLAIR	245-36
359 Clamp-Redi Standard 4" steel x 6" lo	าทฐ			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	ivialidacearing rait ii
Western Nevada Supply	1	Ea	\$40.00	SMITH-BLAIR	245-46
360 Clamp-Redi Standard 6" steel x 6" lo	ong			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$47.00	SMITH-BLAIR	245-66
361 Clamp-Redi Standard 8" steel x 6" lo	ong			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$54.00	SMITH-BLAIR	245-86
362 B1017 Box H/2O loading 10" X 17"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	l .	<u> </u>
Western Nevada Supply	1	Ea	\$98.00	OLDCASTLE	B1017B
363 B1017 X12 H/2O loading Extension	10" x17'	1		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		,
Western Nevada Supply	1	Ea	\$40.00	OLDCASTLE	B1017X
364 B1017 -61JH Steel cover H/20 loadii	າ <b>໘ 10"</b> x	17"		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	ivialidacearing rait ii
Western Nevada Supply	1	Ea	\$140.00	OLDCASTLE	B1017SL
365 B24 Concrete Box 20 3/4 x 19 1/4				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	ivialidadecaring rait ii
Western Nevada Supply	1	Ea		OLDCASTLE	B24B
			7		
366 B24-61D steel checker plate cover				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$191.00	OLDCASTLE	B24SL
367 B-1730 H/2O loading Box 17 x 30				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$253.00	OLDCASTLE	B1730B
368 B-1730 X12 H/2O loading extension	17 x 30			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$110.00	OLDCASTLE	B1730X
369 B-1730 -51JH H/2O loading steel ch	ecker pla	ate cover 1	.7 x 30	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<u> </u>
Western Nevada Supply	1	Ea	\$334.00	OLDCASTLE	B1730SL
370 Christy Concrete B-52 Box 30x60				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		, , , , , , , , , , , , , , , , , , , ,

	Western Nevada Supply	1	Ea	\$230.00	OLDCASTLE	B52B
	vvestern Nevaua Supply	1	La	\$250.00	OLDCASTLE	טאנט
371 B-52	Utility Box 30" x 60"				Brand Name	Manufacturing Part #
072   2 02	Supplier	QTY	UOM	Unit Price		inananatan grant n
	Western Nevada Supply	1	Ea	\$230.00	OLDCASTLE	B52B
	,			,		
372 B-52	D 2 piece reinforced concrete li	id			<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		<u> </u>
	Western Nevada Supply	1	Ea	\$434.00	OLDCASTLE	B52SL
373 Bott	om-Plastic ONLY 5/8 x 1"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$41.00	CARSON	1419B
· · · · · ·					1	
374 Exte	nsion-Plastic 5/8 x 1"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$31.00	CARSON	1419X
l	N .: =/o .:"				<b>-</b>	
375 Lid-P	Plastic 5/8 x 1"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$16.00	CARSON	1419L
276 R 40	Meter Box				Brand Name	Manufacturing Part #
370 B-40	Supplier	QTY	UOM	Unit Price	Branu Name	Ivialiulacturing Part #
	Western Nevada Supply	1	Ea	\$140.00	OLDCASTLE	B40B
	Western Nevada Supply		La	7140.00	OLDCASTLL	D40B
377 B-40	10" Ext				Brand Name	Manufacturing Part #
377 B-40	10" Ext Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
377 B-40	10" Ext Supplier Western Nevada Supply	QTY 1	<b>UOM</b> Ea	Unit Price \$102.00	Brand Name OLDCASTLE	Manufacturing Part #
377 B-40	Supplier					
377 B-40	Supplier Western Nevada Supply					
	Supplier Western Nevada Supply				OLDCASTLE	B40X
	Supplier Western Nevada Supply Lid 1 pc	1	Ea	\$102.00	OLDCASTLE	B40X
	Supplier Western Nevada Supply Lid 1 pc Supplier	1 QTY	Ea UOM	\$102.00 Unit Price	OLDCASTLE  Brand Name	B40X  Manufacturing Part #
378 B-40	Supplier Western Nevada Supply Lid 1 pc Supplier	1 QTY	Ea UOM	\$102.00 Unit Price	OLDCASTLE  Brand Name	B40X  Manufacturing Part #
378 B-40	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier	QTY 1	UOM Ea	\$102.00  Unit Price \$318.00  Unit Price	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #
378 B-40	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30	QTY	UOM Ea	\$102.00 Unit Price \$318.00	OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL
378 B-40	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Western Nevada Supply	QTY 1	UOM Ea	\$102.00  Unit Price \$318.00  Unit Price	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B
378 B-40	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8"	QTY 1	UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #
378 B-40	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  5 Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  6 Fibrelyte Extension 8" Supplier	QTY 1 QTY 1	UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #
378 B-40	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8"	QTY 1	UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B
378 B-40 379 FI-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  5 Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  6 Fibrelyte Extension 8" Supplier Western Nevada Supply	QTY 1 QTY 1	UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X
378 B-40 379 FI-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply	QTY 1  QTY 1	UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #
378 B-40 379 Fl-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier	QTY 1 QTY 1 QTY 1	UOM Ea UOM Ea UOM	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X  Manufacturing Part #
378 B-40 379 FI-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply	QTY 1  QTY 1	UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X
378 B-40  379 Fl-36  380 FL-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply	QTY 1 QTY 1 QTY 1	UOM Ea UOM Ea UOM	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X  Manufacturing Part #  FL36L
378 B-40  379 Fl-36  380 FL-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00  Unit Price \$118.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X  Manufacturing Part #
378 B-40  379 Fl-36  380 FL-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply  Sty G3 Traffic Valve Box Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00  Unit Price \$118.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X  Manufacturing Part #  FL36L  Manufacturing Part #
378 B-40  379 Fl-36  380 FL-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00  Unit Price \$118.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X  Manufacturing Part #  FL36L
379 Fl-36  380 FL-36  381 FL-36	Supplier Western Nevada Supply  Lid 1 pc Supplier Western Nevada Supply  Fibrelyte Box 17 x 30 Supplier Western Nevada Supply  Fibrelyte Extension 8" Supplier Western Nevada Supply  Fibrelyte Lid 17 x 30 Supplier Western Nevada Supply  Sty G3 Traffic Valve Box Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$102.00  Unit Price \$318.00  Unit Price \$122.00  Unit Price \$80.00  Unit Price \$118.00	OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name  OLDCASTLE  Brand Name	B40X  Manufacturing Part #  B40SL  Manufacturing Part #  FL36B  Manufacturing Part #  FL36X  Manufacturing Part #  FL36L  Manufacturing Part #

Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Sup	pply 1	Ea	No Bid		
384 Christy G5 traffic valve Box				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Sup	oply 1	Ea	\$35.00	OLDCASTLE	G5B
385 Christy G5C cast iron Lid fo	or traffic valve box	·		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Sup		Ea	\$25.00	OLDCASTLE	G5L
			7.20.00	0 22 0 10 1 22	
386 Christy G5GR10 Grade Ring	g 1"			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Sup	pply 1	Ea	\$34.00	OLDCASTLE	G5GR10
387 Christy G5GR15 Grade Ring	•			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Sup	pply 1	Ea	\$45.00	OLDCASTLE	G5GR15
200 01 11 050000 0 11 01	. 2"			D I N	Date Control Destrict
388 Christy G5GR20 Grade Ring		11000		Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	OLD CASTLE	CECR20
Western Nevada Sup	pply 1	Ea	\$52.00	OLDCASTLE	G5GR20
389 Copper setter with by-pass	s 2" x 18"			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Sup		Ea	\$1,125.00	FORD-MUELLER	106H-1422
vvesterii ivevada sup	יףיץ –	Lu	71,123.00	I OND WIGHT	10011 1122
western Nevada Sup	, p.iy	La	71,123.00	TOND WIGHER	10011 1 122
390 Copper setter with by-pass			Ţ1,123.00	Brand Name	Manufacturing Part #
		UOM	Unit Price	Brand Name	
390 Copper setter with by-pass	s 1 1/2" x 12" QTY				
390 Copper setter with by-pass Supplier Western Nevada Sup	s 1 1/2" x 12" QTY	UOM	Unit Price	Brand Name FORD-MUELLER	Manufacturing Part # 98H-1422
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring	s 1 1/2" x 12" QTY oply 1	UOM Ea	Unit Price \$850.00	Brand Name	Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier	QTY Oply 1  QTY	UOM Ea	Unit Price \$850.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring	QTY Oply 1  QTY	UOM Ea	Unit Price \$850.00	Brand Name FORD-MUELLER	Manufacturing Part # 98H-1422
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup	S 1 1/2" x 12"  QTY  oply 1  QTY  oply 1	UOM Ea	Unit Price \$850.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP	Manufacturing Part #  98H-1422  Manufacturing Part #  A12
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel	QTY oply 1  QTY oply 1  Gasket	UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00	Brand Name  FORD-MUELLER  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup	QTY oply 1  Gasket  QTY	UOM Ea	Unit Price \$850.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP	Manufacturing Part #  98H-1422  Manufacturing Part #  A12
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier	QTY oply 1  Gasket  QTY	UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier	QTY oply 1  Gasket  QTY Oply 1	UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup	QTY oply 1  Gasket  QTY Oply 1	UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O	QTY Oply 1  Gasket  QTY Oply 1  Gasket  QTY Oply 1	UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup	QTY oply 1  Gasket  QTY oply 1  Gasket  QTY oply 1	UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name  HRP	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #  A19
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup  394 Mueller Main Valve brass	QTY oply 1  Gasket  QTY oply 1  Gasket  QTY oply 1  Gasket  QTY oply 1	UOM Ea UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00 Unit Price \$5.00	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup  394 Mueller Main Valve brass Supplier	QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1	UOM Ea UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #  A19  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup  394 Mueller Main Valve brass	QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1	UOM Ea UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00 Unit Price \$5.00	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name  HRP	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #  A19
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup  394 Mueller Main Valve brass Supplier Western Nevada Sup	QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1  Gasket  QTY pply 1	UOM Ea UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name  HRP  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #  A19  Manufacturing Part #  A45
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup  394 Mueller Main Valve brass Supplier Western Nevada Sup  395 Mueller A15 10.5 OZ OIL	OTY   Oply   1   OTY   Oply   1   Oply   Oply   1   Oply   Oply   1   Oply   Op	UOM Ea UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00 Unit Price \$5.00 Unit Price \$160.00	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #  A19  Manufacturing Part #
390 Copper setter with by-pass Supplier Western Nevada Sup  391 Mueller A12 Stem O Ring Supplier Western Nevada Sup  392 Mueller A15 Pump Nozzel Supplier Western Nevada Sup  393 Mueller A19 Hose Nozzle O Supplier Western Nevada Sup  394 Mueller Main Valve brass Supplier Western Nevada Sup	QTY Oply 1  Gasket  QTY Oply 1  Gasket  QTY Oply 1  Gasket  QTY Oply 1  Gasket  QTY Oply 1  QTY Oply 1	UOM Ea UOM Ea UOM Ea	Unit Price \$850.00 Unit Price \$8.00 Unit Price \$14.00 Unit Price	Brand Name  FORD-MUELLER  Brand Name  HRP  Brand Name  HRP  Brand Name  HRP  HRP  Brand Name	Manufacturing Part #  98H-1422  Manufacturing Part #  A12  Manufacturing Part #  A15  Manufacturing Part #  A19  Manufacturing Part #  A45

396 Mueller Hold Down Inter nut				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$67.00	HRP	A84
397   Mueller Hold Down Outer O Ring				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$8.00	HRP	A3
				D 101	100 6
398 Mueller Amti-Fric Wash	OTV	11004	Heit Deiss	<b>Brand Name</b>	Manufacturing Part #
Supplier Western Neveda Supply	QTY	UOM	Unit Price	LIDD	6208
Western Nevada Supply	1	Ea	\$6.00	HRP	0208
399 Mueller Oil Fill Plug				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$4.00	HRP	A7
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400 Mueller Bonnet Gasket				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$17.00	HRP	H59
401 Mueller Top Seat O Ring				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$7.00	HRP	A39
				_	
402 Mueller Bottom Seat O Ring				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$9.00	HRP	A44
403 Mueller Weather Seal				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Name	Ivialiatactaring rait #
Western Nevada Supply	1	Ea	\$7.00	HRP	A85
Trestern Herada Cappi,	_		φ/100		7.00
404 Strainer-Y 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$56.00	WILKINS	12YBXLC
405 Strainer-Y 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$65.00	WILKINS	34YBXLC
<u></u>					
406 PE-Plastic Pipe CTS 3/4" cost per/ft				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.35	ADS	34CTSR
407 PE-Plastic Pipe CTS 1" cost per/ft				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Statia Haille	inianalactainig rait #
Western Nevada Supply	1	Ea	\$0.65	ADS	1CTSR
Western Nevada Suppry	-	Lu	70.03	, 100	101011
408 PE-Plastic Pipe CTS 1 1/2" cost per/f	ft			Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.00	ADS	112CTSR

409 PE-Plastic Pipe CTS 2" cost per/ft				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.61	ADS	2CTSR
410 PVC-Schedule 40 1/2" x 20' long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$5.00	CRESLINE	PP1240
411 PVC-Schedule 40 3/4" x 20' long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$6.60	CRESLINE	PP3440
442 PMC Cabattle 40 411 - 2011				Due not Nove :	Manufastonia B. 4 II
412 PVC-Schedule 40 1" x 20' long	OT1/	LIONA	Halk Balas	<b>Brand Name</b>	Manufacturing Part #
Supplier Wortern Novada Supply	QTY	UOM	Unit Price	CDECLINE	DD140
Western Nevada Supply	1	Ea	\$10.00	CRESLINE	PP140
413 PVC-Schedule 40 1 1/2" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivialialacturing Falt #
Western Nevada Supply	1	Ea	\$15.80	CRESLINE	PP11240
Western Nevada Sappry	_	Lu	715.00	CHESEINE	1111240
414 PVC-Schedule 40 2" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$21.20	CRESLINE	PP240
415 PVC-C-900 Class 235 4" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$66.00	DPC-VT	4DR18
416 PVC-C-900 Class 235 6" X 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	DDC VT	CDD40
Western Nevada Supply	1	Ea	\$131.00	DPC-VT	6DR18
417 PVC-C-900 Class 235 8" x 20' long				Brand Name	Manufacturing Part #
Supplier	OTV	UOM	Unit Price	brand Name	ivianuracturing Part #
Western Nevada Supply	QTY 1	Ea	\$226.80	DPC-VT	8DR18
western nevada suppry	1	Ld	<b>3</b> ∠∠0.60	DFC-VI	ODIVIO
418 PVC-C-900 Class 235 10" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		manarataning i are ii
Western Nevada Supply	1	Ea	\$340.60	DPC-VT	10DR18
			, 2		
419 PVC-C-900 Class 235 12" x 20' long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$481.00	DPC-VT	12DR18
420 PVC-C-905 Class 235 16" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$965.40	DPC-VT	16DR18
421 PVC-C-900 Class (305) 8" x 20' long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		

Western Nevada Supply	1	Ea	\$282.80	DPC-VT	8DR14
western nevada suppry		La	\$202.80	DFC-VI	8DK14
422 PVC-C-900 Class (305) 12" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Brana Name	ividitate carring rate ii
Western Nevada Supply	1	Ea	\$608.00	DPC-VT	12DR14
Western Nevada Sappiy	_		φοσοίσσ	21 0 11	1251111
423 Ductile-Iron Class 350 6" x 20' long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$324.00	US PIPE	6DIP
424 Ductile-Iron Class 350 8" x 20" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$396.00	US PIPE	8DIP
425 Ductile-Iron Class 350 10" x 20" long	3			<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$486.00	US PIPE	10DIP
426 Ductile-Iron Class 350 12" x 20" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$648.00	US PIPE	12DIP
			_		
427 Ductile-Iron Class 350 24" x 20" long				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1,652.94	US PIPE	24DIP
428 Ductile-Iron Class 350 16" x 20" long				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
		<b>UOM</b> Ea	Unit Price \$1,044.00	Brand Name US PIPE	Manufacturing Part #
Supplier Western Nevada Supply	QTY			US PIPE	16DIP
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2"	QTY 1	Ea	\$1,044.00		
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier	QTY 1 QTY	Ea UOM	\$1,044.00 Unit Price	US PIPE Brand Name	16DIP  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2"	QTY 1	Ea	\$1,044.00	US PIPE	16DIP
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply	QTY 1 QTY	Ea UOM	\$1,044.00 Unit Price	US PIPE  Brand Name  LEGEND	16DIP  Manufacturing Part #  12BIC
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4"	QTY 1 QTY 1	Ea UOM Ea	\$1,044.00 Unit Price \$6.00	US PIPE Brand Name	16DIP  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier	QTY 1 QTY 1	UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price	US PIPE  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4"	QTY 1 QTY 1	Ea UOM Ea	\$1,044.00 Unit Price \$6.00	US PIPE  Brand Name  LEGEND	16DIP  Manufacturing Part #  12BIC
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply	QTY 1 QTY 1	UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1"	QTY 1  QTY 1	UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00	US PIPE  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1"	QTY 1  QTY 1	UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2"	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2" Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2" Supplier Western Nevada Supply  433 Coupling-Insert INS x INS 2 INS 2"	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00  Unit Price \$14.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2" Supplier Western Nevada Supply  433 Coupling-Insert INS x INS 2" Supplier Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00  Unit Price \$14.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC  Manufacturing Part #  112BIC  Manufacturing Part #
Supplier Western Nevada Supply  429 Coupling-Insert INS x INS 1/2" Supplier Western Nevada Supply  430 Coupling-Insert INS x INS 3/4" Supplier Western Nevada Supply  431 Coupling-Insert INS x INS 1" Supplier Western Nevada Supply  432 Coupling-Insert INS x INS 1 1/2" Supplier Western Nevada Supply  433 Coupling-Insert INS x INS 2" Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$1,044.00  Unit Price \$6.00  Unit Price \$7.00  Unit Price \$8.00  Unit Price \$14.00	US PIPE  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name  LEGEND  Brand Name	16DIP  Manufacturing Part #  12BIC  Manufacturing Part #  34BIC  Manufacturing Part #  1BIC  Manufacturing Part #  112BIC  Manufacturing Part #

Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$4.00	LEGEND	12BIM
435 Adpter MIP x INSERT 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$6.00	LEGEND	34BIM
436 Adpter MIP x INSERT 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$7.00	LEGEND	1BIM
			·		
437 Adpter MIP x INSERT 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$11.00	LEGEND	112BIM
[ ]					
438 Adpter MIP x INSERT 2"	OTV	11004	11.21.52	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	LECEND	20104
Western Nevada Supply	1	Ea	\$16.00	LEGEND	2BIM
439 Elbow- 90 SxS 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<b>6</b>
Western Nevada Supply	1	Ea	\$0.45	SPEARS	PF1290
440 Elbow- 90 SxS 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.50	SPEARS	PF3490
				D 101	
441 Elbow- 90 SxS 1"	QTY	UOM	Unit Price	<b>Brand Name</b>	Manufacturing Part #
Supplier Western Nevada Supply	1	Ea	\$0.91	SPEARS	PF190
western Nevada Supply	1	La	\$0.51	SPEARS	FF130
442 Elbow- 90 SxS 1 1/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.60	SPEARS	PF11490
443 Elbow- 90 SxS 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.73	SPEARS	PF11290
444 Elbow- 90 SxS 2"				Brand Name	Manufacturing Dant #
Supplier	OTV	UOM	Unit Price	brand Name	Manufacturing Part #
Western Nevada Supply	QTY 1	Ea	\$2.70	SPEARS	PF290
western Nevada Supply	1	Ed	\$2.70	SPEARS	FF230
445 Coupling-SxS 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.29	SPEARS	PF12C
446   Coupling-SxS 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.41	SPEARS	PF34C

447 Coupling-SxS 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		Ū
Western Nevada Supply	1	Ea	\$0.71	SPEARS	PF1C
448   Coupling-SxS 1 1/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.99	SPEARS	PF114C
449   Coupling-SxS 1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	CDEADC	D54430
Western Nevada Supply	1	Ea	\$1.06	SPEARS	PF112C
450 Coupling-SxS 2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivialidiacturing Fart #
Western Nevada Supply	1	Ea	\$1.61	SPEARS	PF2C
Western Nevada Supply	-	Lu	<b>71.01</b>	31 171113	1120
451 Tee-SxSxS 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.56	SPEARS	PF12T
452 Tee-SxSxS 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.65	SPEARS	PF34T
				_	
453 Tee-SxSxS 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.21	SPEARS	PF1T
454   Tee-SxSxS 1 1/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivialiulacturing Fait #
Western Nevada Supply	1	Ea	\$1.88	SPEARS	PF114T
Western Nevada Supply	-	Lu	<b>71.00</b>	31 171113	112211
455 Tee-SxSxS 1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$2.29	SPEARS	PF112T
456 Tee-SxSxS 2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$3.33	SPEARS	PF2T
457 Adaptor-Male S x MIP 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.41	SPEARS	PF12MA
AEQ Adoptor Made C v BAID 2/4II				Brand Name	Manufacturing Dart #
458 Adaptor-Male S x MIP 3/4" Supplier	QTY	UOM	Unit Price	טומווע ואמווופ	Manufacturing Part #
Western Nevada Supply	1	Ea	\$0.45	SPEARS	PF34MA
western nevaua suppry	1	Ld	ŞU.45	JL LW//	LI 24IAIY
459 Adaptor-Male S x MIP 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Hanne	manaraccaring rate #
Western Nevada Supply	1	Ea	\$0.81	SPEARS	PF1MA
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460 Adaptor-Male S x MIP 1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.32	SPEARS	PF112MA
461 Adaptor-Male S x MIP 2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.73	SPEARS	PF2MA
462 Adaptor-Female S x FIP 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	CDEADC	DE4.2EA
Western Nevada Supply	1	Ea	\$0.50	SPEARS	PF12FA
463 Adaptor-Female S x FIP 3/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		<b>0</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Western Nevada Supply	1	Ea	\$0.65	SPEARS	PF34FA
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464 Adaptor-Female S x FIP 1"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	•	
Western Nevada Supply	1	Ea	\$0.75	SPEARS	PF1FA
465 Adaptor-Female S x FIP 11/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.15	SPEARS	PF114FA
466 Adaptor-Female S x FIP 1 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.32	SPEARS	PF112FA
467 Adaptor-Female S x FIP 2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.78	SPEARS	PF2FA
468 Cap-Slip 1/2"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Brana Name	ividilatacearing Fare ii
Western Nevada Supply	1	Ea	\$0.41	SPEARS	PF12CAP
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469 Cap-Slip 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.47	SPEARS	PF34CAP
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470 Cap-Slip 1"	OT\	11004	Holt Dales	Brand Name	Manufacturing Part #
Supplier Western Nevada Supply	QTY	UOM	Unit Price	CDEADC	DE1CAD
Western Nevada Supply	1	Ea	\$0.75	SPEARS	PF1CAP
471 Cap-Slip 1 1/4"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.06	SPEARS	PF114CAP
472 Cap-Slip 1 1/2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		

Western Nevada Supply	1	Ea	\$1.15	SPEARS	PF112CAP
Total Transfer	_		7 - 1 0	00	, , <u></u>
473 Cap-Slip 2"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.39	SPEARS	PF2CAP
				-	
474  Bush SxS 1/2" x 3/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$0.47	SPEARS	PF3412B
475 Bush SxS 3/4" x 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Drana Hame	Wanaraccaring Fare ii
Western Nevada Supply	1	Ea	\$0.85	SPEARS	PF134B
Western Wevada Supply	_	20	φ0.03	51 L7 1110	112015
476 Bush SxS 1" x 1 1/4"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.15	SPEARS	PF1141B
477 Bush SxS 1 1/2" x 1"				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$1.22	SPEARS	PF1121B
478 Bush SxS 2" x 1"				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Ivialial accurring Falt #
Western Nevada Supply	1	Ea	\$2.02	SPEARS	PF21B
restern retada sappiy		_~	φ2.02	51 E7 11 15	11220
479 Bush SxS 1 1/2" x 2"				Brand Name	Manufacturing Part #
479 Bush SxS 1 1/2" x 2" Supplier	QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
	QTY 1	UOM Ea	Unit Price \$2.02	Brand Name SPEARS	Manufacturing Part # PF2112B
Supplier Western Nevada Supply				SPEARS	PF2112B
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2"	1	Ea	\$2.02		
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier	1 QTY	Ea UOM	\$2.02 Unit Price	SPEARS Brand Name	PF2112B  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2"	1	Ea	\$2.02	SPEARS	PF2112B
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply	1 QTY	Ea UOM	\$2.02 Unit Price	SPEARS  Brand Name  SPEARS	PF2112B  Manufacturing Part #  PF1245
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier	1 QTY	Ea UOM	\$2.02 Unit Price	SPEARS Brand Name	PF2112B  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4"	1 QTY 1	UOM Ea	\$2.02 Unit Price \$0.75	SPEARS  Brand Name  SPEARS  Brand Name	PF2112B  Manufacturing Part #  PF1245
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier	QTY 1	UOM Ea	\$2.02  Unit Price \$0.75  Unit Price	SPEARS  Brand Name  SPEARS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier	QTY 1	UOM Ea	\$2.02  Unit Price \$0.75  Unit Price	SPEARS  Brand Name  SPEARS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier	QTY 1	UOM Ea	\$2.02  Unit Price \$0.75  Unit Price \$1.15	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4"	QTY 1  QTY 1	UOM Ea UOM Ea	\$2.02  Unit Price \$0.75  Unit Price \$1.15	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply	QTY 1 QTY 1	UOM Ea UOM Ea	\$2.02  Unit Price \$0.75  Unit Price \$1.15	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1"	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40  Unit Price	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1"	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1" Supplier	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40  Unit Price	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC  Manufacturing Part #
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1" Supplier Western Nevada Supply	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40  Unit Price	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC  Manufacturing Part #  PF1CC
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1" Supplier Western Nevada Supply  484 PVC Compression Coupling 1 1/4"	QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40  Unit Price \$1.81	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC  Manufacturing Part #  PF1CC
Supplier Western Nevada Supply  480 ELL-45 SxS 1/2" Supplier Western Nevada Supply  481 ELL-45 SxS 3/4" Supplier Western Nevada Supply  482 PVC Compression Coupling 3/4" Supplier Western Nevada Supply  483 PVC Compression Coupling 1" Supplier Western Nevada Supply  484 PVC Compression Coupling 1 1/4" Supplier	QTY 1  QTY 1  QTY 1  QTY 1	UOM Ea UOM Ea UOM Ea UOM	\$2.02  Unit Price \$0.75  Unit Price \$1.15  Unit Price \$1.40  Unit Price \$1.81	SPEARS  Brand Name  SPEARS  Brand Name  SPEARS  Brand Name  NDS  Brand Name  NDS  Brand Name	PF2112B  Manufacturing Part #  PF1245  Manufacturing Part #  PF3445  Manufacturing Part #  PF34CC  Manufacturing Part #  PF1CC  Manufacturing Part #

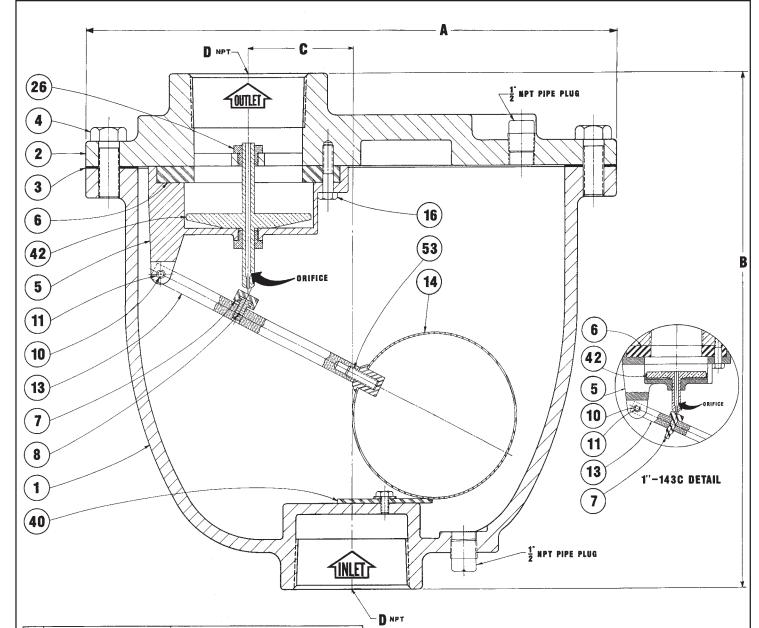
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$2.90	NDS	PF112CC
486 PVC	Compression Coupling 2"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$4.03	NDS	PF2CC
407 000	Canada a Canada a 2 1 /2				Duan d Nama	Daniel Daniel
487 PVC	Compression Coupling 2 1/2"	OTV	UOM	Unit Price	Brand Name	Manufacturing Part #
	Supplier Western Nevada Supply	QTY 1	Ea	\$9.17	NDS	PF212CC
	western nevada supply	1	Ed	Ş9.17	משוו	PFZIZCC
488 PVC	Compression Coupling 4"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$19.08	NDS	PF4CC
	,					
489 IPS S	LIP FIX 3/4"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$2.42	NDS	PF34SF
490 IPS S	LIP FIX 1"				<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$2.81	NDS	PF1SF
491   IPS S	LIP FIX 1 1/2"				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	NDC	DE442CE
	Western Nevada Supply	1	Ea	\$5.50	NDS	PF112SF
492 IPS S	LID EIV 2"				Brand Name	Manufacturing Part #
432 1133	Supplier	QTY	UOM	Unit Price	Diana Name	Ivialiulacturing Fait #
	Western Nevada Supply	1	Ea	\$8.40	NDS	PF2SF
	restern revada suppry	_	20	φοι 10	.1.00	11201
493 PVC I	Ball Check Valve FIP x FIP 3/4"				Brand Name	
<u> </u>	Supplier	OTV.			Di allu Ivallie	Manufacturing Part #
		QTY	UOM	Unit Price	Brand Name	Manufacturing Part #
	Western Nevada Supply	1	<b>UOM</b> Ea	Unit Price \$32.90	ASAHI	Manufacturing Part # T21 1601
	Western Nevada Supply					
494 Servi	Western Nevada Supply  ce Saddle Epxy coated ductile ire	1	Ea	\$32.90		
494 Servi	ce Saddle Epxy coated ductile iro	1 on 4.50 QTY	Ea - 5.40 4"x 1' UOM	\$32.90 " tap Unit Price	ASAHI Brand Name	T21 1601  Manufacturing Part #
494 Servi	ce Saddle Epxy coated ductile ire	1 on 4.50	Ea - 5.40 4"x 1'	\$32.90 " tap	ASAHI	T21 1601
	ce Saddle Epxy coated ductile iro Supplier Western Nevada Supply	1 on 4.50 QTY 1	Ea - <b>5.40 4"x 1'</b> <b>UOM</b> Ea	\$32.90 " tap Unit Price \$56.00	ASAHI  Brand Name  ROMAC	T21 1601  Manufacturing Part #  202NS
	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply ce Saddle-Epxy coated ductile ire	1 on 4.50 QTY 1 on 4.50	Ea - 5.40 4"x 1" UOM Ea - 5.40 4"x 2"	\$32.90 " tap Unit Price \$56.00	ASAHI Brand Name	T21 1601  Manufacturing Part #
	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply ce Saddle-Epxy coated ductile ire Supplier	1 On 4.50 QTY 1 On 4.50 QTY	Ea - 5.40 4"x 1"  UOM  Ea - 5.40 4"x 2"  UOM	\$32.90 " tap Unit Price \$56.00 " tap Unit Price	ASAHI  Brand Name  ROMAC  Brand Name	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #
	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply ce Saddle-Epxy coated ductile ire	1 on 4.50 QTY 1 on 4.50	Ea - 5.40 4"x 1" UOM Ea - 5.40 4"x 2"	\$32.90 " tap Unit Price \$56.00	ASAHI  Brand Name  ROMAC  Brand Name	T21 1601  Manufacturing Part #  202NS
495 Servi	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply	1 On 4.50 QTY 1 On 4.50 QTY	Ea - 5.40 4"x 1" UOM Ea - 5.40 4"x 2" UOM Ea	\$32.90  " tap  Unit Price  \$56.00  " tap  Unit Price  \$68.00	ASAHI  Brand Name  ROMAC  Brand Name  ROMAC	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #  202NS
495 Servi	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire	1 on 4.50 QTY 1 on 4.50 QTY 1	Ea - 5.40 4"x 1"  UOM  Ea - 5.40 4"x 2"  UOM  Ea - 7.50 6"x 1"	\$32.90  " tap Unit Price \$56.00  " tap Unit Price \$68.00	ASAHI  Brand Name  ROMAC  Brand Name	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #
495 Servi	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Supplier	1 on 4.50 QTY 1 on 4.50 QTY 1 on 6.63 QTY	Ea - 5.40 4"x 1" UOM Ea - 5.40 4"x 2" UOM Ea - 7.50 6"x 1"	\$32.90  " tap  Unit Price \$56.00  " tap  Unit Price \$68.00  " tap  Unit Price	ASAHI  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #  202NS  Manufacturing Part #
495 Servi	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire	1 on 4.50 QTY 1 on 4.50 QTY 1	Ea - 5.40 4"x 1"  UOM  Ea - 5.40 4"x 2"  UOM  Ea - 7.50 6"x 1"	\$32.90  " tap Unit Price \$56.00  " tap Unit Price \$68.00	ASAHI  Brand Name  ROMAC  Brand Name  ROMAC	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #  202NS
495 Servi	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Supplier	1 on 4.50 QTY 1 on 4.50 QTY 1 on 6.63 QTY	Ea - 5.40 4"x 1" UOM Ea - 5.40 4"x 2" UOM Ea - 7.50 6"x 1" UOM Ea	\$32.90  " tap Unit Price \$56.00  " tap Unit Price \$68.00  " tap Unit Price \$64.00	ASAHI  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #  202NS  Manufacturing Part #
495 Servi	ce Saddle Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply  ce Saddle-Epxy coated ductile ire Supplier Western Nevada Supply	1 on 4.50 QTY 1 on 4.50 QTY 1 on 6.63 QTY	Ea - 5.40 4"x 1" UOM Ea - 5.40 4"x 2" UOM Ea - 7.50 6"x 1" UOM Ea	\$32.90  " tap Unit Price \$56.00  " tap Unit Price \$68.00  " tap Unit Price \$64.00	ASAHI  Brand Name  ROMAC  Brand Name  ROMAC  Brand Name  ROMAC	T21 1601  Manufacturing Part #  202NS  Manufacturing Part #  202NS  Manufacturing Part #  101N

498 Service Saddle-Epxy coated ductile	iron 8.63	3 - 9.62 8"x	( 1" tap	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$77.00	ROMAC	101N
499 Service Saddle-Epxy coated ductile	iron 8.63	3 - 9.62 8"x	c 2" tap	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	<b>Unit Price</b>		
Western Nevada Supply	1	Ea	\$90.00	ROMAC	101N
500 Service Saddle-Epxy coated ductile	iron 11.1	LO - 12.12	10"x 1" tap	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$84.00	ROMAC	101N
501   Service Saddle-Epxy coated ductile				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$100.00	ROMAC	101N
				<u></u>	T
502 Service Saddle-Epxy coated ductile				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	DO1446	1011
Western Nevada Supply	1	Ea	\$107.00	ROMAC	101N
FO2 Comics Coddle From sected dustile	: 12 1	00 14 20	12" 2" +	Duand Name	Manufacturing Daut #
503 Service Saddle-Epxy coated ductile		UOM		Brand Name	Manufacturing Part #
Supplier Western Nevada Supply	QTY 1	Ea	Unit Price \$118.00	ROMAC	101N
Western Nevada Supply	1	Ed	\$116.00	KUIVIAC	IOIN
504 Service Saddle-Epxy coated ductile	iron 17 /	10 - 19 00	16"v 1" tan	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price	Diana Name	Wallulacturing Fart #
Western Nevada Supply	1	Ea	\$242.00	ROMAC	101N
Western Nevada Supply	•	Lu	ΨZ 12.00	KOWII (C	10111
505 Service Saddle-Epxy coated ductile	iron 17.4	10 - 18.90	16"x 2" tap	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea		ROMAC	101N
• • • • • • • • • • • • • • • • • • • •			·		
506 Stainless Steel Tapping Sleeve with	ductile i	ron flange	6.89-7.30 6"x	<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$570.00	ROMAC	SST
507 Stainless Steel Tapping Sleeve with	ductile i	ron flange	7.10-7.30 6"x	Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$757.00	ROMAC	SST
508 Stainless Steel Tapping Sleeve with				<b>Brand Name</b>	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$757.00	ROMAC	SST
509 Stainless Steel Tapping Sleeve with				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$585.00	ROMAC	SST
				<u> </u>	
510 Stainless Steel Tapping Sleeve with				Brand Name	Manufacturing Part #
Supplier	QTY	UOM	Unit Price		
Western Nevada Supply	1	Ea	\$600.00	ROMAC	SST

511 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 9.	04-9.45 8"	Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$600.00	ROMAC	SST
512 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 8.	62-9.06 8"	<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$964.00	ROMAC	SST
513 Stain	less Steel Tapping Sleeve with d			04-9.45 8"	Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$964.00	ROMAC	SST
Faalo	loo er al Taranta el Cara de la Cara		(1	72.44.42	Duna d Na	Tagani fastini i Biriti
514  Stain	less Steel Tapping Sleeve with de				Brand Name	Manufacturing Part #
	Supplier Western Nevada Supply	QTY	UOM	Unit Price	DOMAC.	ССТ
	Western Nevada Supply	1	Ea	\$821.00	ROMAC	SST
515 Stain	less Steel Tapping Sleeve with d	uctile i	on flance 11	79_12 10	Brand Name	Manufacturing Part #
313  3tail	Supplier	QTY	UOM	Unit Price	Diana Name	Ivianulacturing Part #
	Western Nevada Supply	1	Ea	\$821.00	ROMAC	SST
	Trestern Nevada Sappiy	_	20	Q021.00		55.
516 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 10	.73-11.13	Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price	<u> </u>	<u>.                                    </u>
	Western Nevada Supply	1	Ea	\$993.00	ROMAC	SST
517 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 11	.79-12.19	<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$993.00	ROMAC	SST
<del>                                     </del>						<del></del>
518 Stain	less Steel Tapping Sleeve with de				Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$1,785.00	ROMAC	SST
E40   C1   1	lace Charl Tarrilla Charles 1911	!! *	an flame do	00.44.33	Duous d Names	Manufactuutus D. 11
519 Stain	less Steel Tapping Sleeve with de				Brand Name	Manufacturing Part #
	Supplier Western Nevada Supply	QTY	<b>UOM</b> Ea	Unit Price \$821.00	ROMAC	SST
	Western Nevada Supply	1	Ed	<b>3</b> δ21.00	NUIVIAC	331
520 Stain	less Steel Tapping Sleeve with do	uctile in	on flange 12	50-12 90	Brand Name	Manufacturing Part #
J20   Stairi	Supplier	QTY	UOM	Unit Price	Diana Name	Imanaturing Fart #
	Western Nevada Supply	1	Ea	\$998.00	ROMAC	SST
	sotto stadad odppij	_		+555.00		
521 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 13	.98-14.38	Brand Name	Manufacturing Part #
	Supplier	QTY	UOM	Unit Price		
	Western Nevada Supply	1	Ea	\$998.00	ROMAC	SST
	.,,					
522 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 13	.98-14.38	<b>Brand Name</b>	Manufacturing Part #
-	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$1,892.00	ROMAC	SST
523 Stain	less Steel Tapping Sleeve with d	uctile ir	on flange 17	.40-17.80	<b>Brand Name</b>	Manufacturing Part #
JZJ Stairi	Supplier	QTY	UOM	<b>Unit Price</b>		

	Western Nevada Supply	1	Ea	\$1,625.00	ROMAC	SST
524	Stainless Steel Tapping Sleeve with	n ductile ir	on flang	e 17.15-17.55	<b>Brand Name</b>	Manufacturing Part #
<u>-</u>	Supplier	QTY	UOM	<b>Unit Price</b>	•	
	Western Nevada Supply	1	Ea	\$1,885.00	ROMAC	SST
525	Stainless Steel Repair Clamp 13.65	-14.65 12'	' X 18"		<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$1,178.00	ROMAC	SS3
526	Stainless Steel Repair Clamp 13.65	-14.65 12'	' x 30"		<b>Brand Name</b>	Manufacturing Part #
	Supplier	QTY	UOM	<b>Unit Price</b>		
	Western Nevada Supply	1	Ea	\$1,707.00	ROMAC	SS3

# **COMBINATION AIR VALVE**



DET	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 GR. B
2	COVER	CAST IRON ASTM A126 GR. B
3	COVER GASKET	LEXIDE (non-asbestos)
4	COVER BOLTS	STEEL ASTM A307 GR. B
5	LEVERAGE FRAME1	CAST IRON ASTM A126 GR. B
6	SEAT	BUNA-N
7	NEEDLE	BUNA-N
8	NEEDLE PIN 2	STAINLESS STEEL ASTM A581 T416 H.T.
10	LEVER PIN	STAINLESS STEEL ASTM A581 T303
11	RETAINING RING	STAINLESS STEEL PH15-7Mo
13	FLOAT LEVER	BRASS ASTM B16
14	FLOAT	STAINLESS STEEL ASTM A240 T304
16	LEVERAGE FRAME SCREW	
26	GUIDE BUSHING	BRASS ASTM B16
40	BUMPER ASSEMBLY	BUNA-N
42	PLUG	BRASS ASTM B124
53	FLOAT RETAINING SCREW	STAINLESS STEEL 18-8

1 STANDARD MATERIAL ON SIZE 1" AND 2" IS DELRIN ASTM D2133 AND GUIDE BUSHING IS NOT REQUIRED ON THE FRAME. 2 NEEDLE PIN IS NOT REQUIRED ON SIZES 1" AND 2". AVAILABLE WITH 125 LB. OR 250 LB. FLANGE INLET SPECIFY WORKING PRESSURE \_\_\_\_\_\_PSI DESIGN FOR 300 PSI MAX. NON-SHOCK SERVICE

SIZES	MODEL No	A	В	C	D	WIDTH	LARGE ORIFICE	SMALL ORIFICE	APPROX. WT., LB.
1"	143C	11	10	21/2	1	7	1	<u>5</u> 64	35
2''	145C	14	12 <sup>3</sup> / <sub>16</sub>	3	2	8	2	3 32	75
3,,	147C	16	157	3 ½	3	10	3	3 32	100
4''	149C	18	17 1/16	3 3/4	4	11	4	332	170

CERTIFIED BY:

DATE:

**09-01-03** 



DRWG. NO. **S-140C** 



October 1, 2020

**Carson City Purchasing & Contracts** RFB #20300164

## **Exhibit A**

Product Submittal Information attached.

**Greg Higgins** 

Waterworks Manager

10-1-20

Date



# SPECIFICATIONS

#### SERIES 140C COMBINATION AIR VALVES

Combination Air Valve (single body, double orifice) allows large volumes of air to escape out the larger diameter air vacuum orifice when filling a pipeline and closes water tight when the liquid enters the valve. During large orifice closure, the smaller diameter air release orifice will open to allow small pockets of air to escape automatically and independently of the large orifice.

The large air & vacuum orifice shall also allow large volumes of air to enter through the orifice during pipeline drainage to break the vacuum. The body inlet must be baffled to protect the lower float from direct contact of the rushing air and water to prevent premature valve shut-off. The top large orifice plug must be protected in similar manner for the same purpose.

The Buna-N seat must be fastened to the valve cover without distortion, for drop tight shut-off. The float shall be heavy stainless steel, hermetically sealed, designed to withstand a minimum of 1000 psi (static). The top plug shall be center guided thru hex bushings for positive shut-off.

Valve exterior to be painted Universal Primer for high resistance to corrosion.

The cross sectional area of the discharge orifice must be equal to the cross sectional area of the valve inlet size.

All materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Body & Cover Cast iron ASTM A126 Gr.B Float\* Stainless Steel ASTM A240 T304

Needle & Seat Buna-N

Plug Brass ASTM B124
Leverage Frame [1"&2"] Delrin ASTM D4181
[3"&4"] Cast iron ASTM A126 Gr. B

#### \* Float design may vary on certain sizes

Note: Other materials available.

Valve to be APCO Series 140C Combination Air Valve, as maunufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.



WEBSITE: www.apcovalves.com EMAIL: factory@apcovalves.com

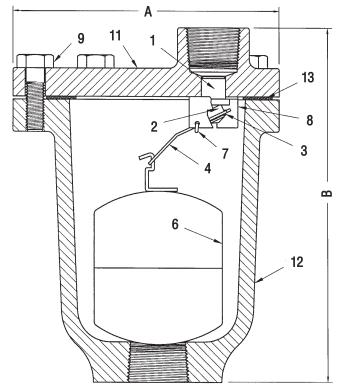
# **Submittal Sheet for Crispin AR Series**

# 1/2"-1" Pressure Air Release (AR)

Manufactured in compliance with ANSI/AWWA C512 Date: October, 2001







#### **Parts List**

ITEM	DESCRIPTION	MATERIAL	ASTM
1	SEAT	STAINLESS STEEL	A240
2	VALVE BUTTON	BUNA-N RUBBER	D2000
3	BUTTON CLIP	STAINLESS STEEL	A240
4	VALVE LEVER	STAINLESS STEEL	A240
6	FLOAT	STAINLESS STEEL	A240
7	PIN	STAINLESS STEEL	A193
8	HINGE BUTT	STAINLESS STEEL	A240
_ 9	BOLT	STEEL	A307
11	FLANGE	CAST IRON	A126 CL.B
12	BODY	CAST IRON	A126 CL.B
13	GASKET	ARMSTRONG N-8092	N/A

#### **Size Specifications**

MODEL	INLET SIZE	OUTLET SIZE	Α	В	WEIGHT
AR5	1/2" NPT	1/2" NPT	4.25	5.50	5
AR8	3/4" NPT	1/2 NPT	4.25	5.50	5
AR10	1" NPT	1/2" NPT	4.25	5.50	5

#### **Orifice**

DIAMETER	MAX. PRESSURE	DISCHARGE RATE
5/64	150 PSIG	9.6 SCFM
5/64	300 PSIG	18.4 SCFM

#### **Specifications**

The valve(s) shall be installed at high points in the line to vent the accumulation of air and other gases with the line under pressure.

The valve(s) shall have a 5/64" orifice with valve sealing faces of stainless stell and Buna-N rubber. Valves which use a needle valve to seal the orifice shall not be acceptable.

The valve(s) shall be Crispin-Multiplex Model Pressure Air Release Valve(s) as manufactured by Crispin-Multiplex Manufacturing Co., Berwick, PA.

Valve construction shall be \_\_\_\_ NPT screwed, cast iron body and top flange with stainless steel float and trim.



FOR AR SERIE

### **Standards and Specifications**



	Dimensions	Material	Galvanizing	Thread	Pressure Rating	Federal/Other
M.I. Fittings						
Class 150/PN 20	ASME B16.3•	ASTM A-197	ASTM A-153	ASME B1 20.1+	ASME B16.3•	ASME B16.3**
Class 300/PN 50	ASME B16.3•	ASTM A-197	ASTM A-153	ASME B1 20.1+	ASME B16.3•	
M.I. Unions						
Class 150/PN 20	ASME B16.39•	ASTM A-197	ASTM A-153	ASME B1 20.1+	ASME B16.39•	ASME B16.39**
Class 250	ASME B16.39•	ASTM A-197	ASTM A-153	ASME B1 20.1+	ASME B16.39•	
Class 300/PN 50	ASME B16.39•	ASTM A-197	ASTM A-153	ASME B1 20.1+	ASME B16.39•	
Cast Iron Threaded	l Fittings					
Class 125	ASME B16.4•	ASTM A-126 (A)	ASTM A-153	ASME B1.20.1+	ASME B16.4•	ASME B16.4■
Class 250	ASME B16.4•	ASTM A-126 (A)	ASTM A-153	ASME B1.20.1+	ASME B16.4•	ASME B16.4■
C. 1. Plugs and Bu	shings					
	ASME B16.14•	ASTM A- 126 (A)	ASTM A-153	ASME B1.20.1+	ASME B16.4•	WW-P-471
C. 1. Drainage Thre	eaded Fittings					
	ASME B16.12•	ASTM A-126 (A)	ASTM A-153	ASME B1.20.1+	ASME B16.12•	
C. 1. Flanges and F	Flanged Fittings	5				
Class 125 (1"-12")	ASME B16.1•	ASTM A- 126 (A) or (B)	ASTM A-153	ASME B1.20.1+	ASME B16.10	ASME B16.1•
Class 125 (14"-up)	ASME B16.1•	ASTM A-126 (B)	ASTM A-153	ASME B1.20.1+	ASME B16.10	ASME B16.1•
Class 250 (11"-12")	ASME B16.1•	ASTM A- 126 (A) or (B)	ASTM A-153	ASME B1.20.1+	ASME B16.10	ASME B16.1•
Class 250 (14"-up)	ASME B16.1•	ASTM A-126 (B)	ASTM A-153	ASME B1.20.1+	ASME B16.10	ASME B16.1•
Forged Steel Threa	ded Fittings					
Class 2000, 3000, 6000	ASME B16.11•	ASTM AI05, ASTM A182, ASTM A350		ASMEB1.20.1+	ASME B16.11•	
Pipe Nipples						
Steel Pipe - Welded	ASTM A733	ASTM A53 Type F or Type E		ASME B1.20.1+		WWN 351
Steel Pipe - Seamless (High Temp.)	ımless ASTM A733 ASTM A106 Gr. B			ASME B1.20.1+		WWN 351
Brass		ASTM B43				WWN 351
*The Standard						

<sup>•</sup>an American National Standard (ANSI)

<sup>+</sup>ASME B1.20.1 was ANSI B2.1

<sup>■</sup>Formerly WW-P-501

<sup>\*\*</sup>Formerly WW-P-521

<sup>\*\*\*</sup>Formerly WW-U-531



# Ductile Iron MJ Compact Fittings

#### **GENERAL SPECIFICATIONS**

MATERIAL: Ductile Iron per ASTM A536

PRESSURE: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes and 150 PSI rating for 54" - 64" sizes **TESTING:** In accordance with ANSI/AWWA C153/A21.53, ANSI/AWWA C111/A21.11, UL and FM requirements

LAYING LENGTH: In accordance with ANSI/AWWA C153/A21.53 (fittings not listed in ANSI/AWWA have dimensions per Star design as noted in the catalog)

**DEFLECTION:** 2"-4"=8° | 6"=7° | 8"-12"=5° | 14"-16"=3 ½° | 18"-24"=3° | 30"-64"=2°

WEIGHTS: Are in pounds, unless noted otherwise and do not include accessories, cement lining and coating FLANGES: Flanged ends on fittings match ANSI/AWWA C115/A21.15 and ANSI B16.1 class 125 flanges

CEMENT LINING: In accordance with ANSI/AWWA C104/A21.4 -- size 2" - 3" single thickness and sizes 4" - 64" double thickness

COATING: Asphaltic seal coat inside and out in accordance with ANSI/AWWA C104/A21.4 and referenced in ANSI/AWWA C153/A21.53

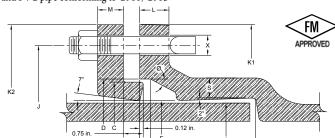
GASKETS: SBR in accordance with ANSI/AWWA C111/A21.11 T-BOLTS/NUTS: Low alloy steel in accordance with ANSI/AWWA C111/A21.11

APPROVALS: 3" - 12" UL/ULC Listed | 2" and greater are UL/ANSI/NSF Standards 61 and 372 | 3" - 16" FM APPROVED. Please consult factory for

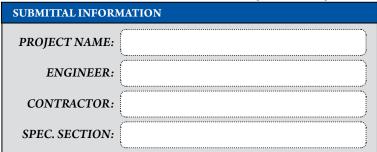
detail listing and approvals

**DIMENSIONS:** All dimensions are in inches unless noted otherwise.

INSTALLATION: Per ANSI/AWWA C600 and C111 using DIP conforming to C150/C151 and PVC pipe conforming to C900/C905



2"-24" = 0.31 in 30"-64" = 0.38 in



MECH	MECHANICALJOINT DIMENSIONS														
NOM.	A DIA.	В	C DIA.	D DIA.	F DIA.	J DIA.	K1 DIA.	K2 DIA.	L	М	s	ø	X DIA.	BOLT	ГS
SIZE	A DIA.	ь	CDIA.	D DIA.	F DIA.	) DIA.	KI DIA.	K2 DIA.	L	IVI	3	Ø	A DIA.	SIZE	NO.
2	2.50	2.50	3.39	3.50	2.61	4.75	6.19	6.25	0.58	0.62	0.36	28°	3/4	5/8 x 3	2
3	3.96	2.50	4.84	4.94	4.06	6.19	7.62	7.69	0.58	0.62	0.39	28°	3/4	5/8 x 3	4
4	4.80	2.50	5.92	6.02	4.90	7.50	9.06	9.12	0.60	0.75	0.39	28°	7/8	3/4 x 3 1/2	4
6	6.90	2.50	8.02	8.12	7.00	9.50	11.06	11.12	0.63	0.88	0.43	28°	7/8	3/4 x 3 1/2	6
8	9.05	2.50	10.17	10.27	9.15	11.75	13.31	13.37	0.66	1.00	0.45	28°	7/8	3/4 x 3 1/2	6
10	11.10	2.50	12.22	12.34	11.20	14.00	15.62	15.62	0.70	1.00	0.47	28°	7/8	3/4 x 3 1/2	8
12	13.20	2.50	14.32	14.44	13.30	16.25	17.88	17.88	0.73	1.00	0.49	28°	7/8	3/4 x 3 1/2	8
14	15.30	3.50	16.40	16.54	15.44	18.75	20.25	20.25	0.79	1.25	0.55	28°	7/8	3/4 x 4	10
16	17.40	3.50	18.50	18.64	17.54	21.00	22.50	22.50	0.85	1.31	0.58	28°	7/8	3/4 x 4	12
18	19.50	3.50	20.60	20.74	19.64	23.25	24.83	24.75	1.00	1.38	0.68	28°	7/8	3/4 x 4	12
20	21.60	3.50	22.70	22.84	21.74	25.50	27.08	27.00	1.02	1.44	0.69	28°	7/8	3/4 x 4	14
24	25.80	3.50	26.90	27.04	25.94	30.00	31.58	31.50	1.02	1.56	0.75	28°	7/8	3/4 x 4 1/2	16
30	32.00	4.00	33.29	33.46	32.17	36.88	39.12	39.12	1.31	2.00	0.82	20°	1 1/8	1 x 5 ½	20
36	38.30	4.00	39.59	39.76	38.47	43.75	46.00	46.00	1.45	2.00	1.00	20°	1 1/8	1 x 5 ½	24
42	44.50	4.00	45.79	45.96	44.67	50.62	53.12	53.12	1.45	2.00	1.25	20°	1 3/8	1 ¼ x 6	28
48	50.80	4.00	52.09	52.26	50.97	57.50	60.00	60.00	1.45	2.00	1.35	20°	1 3/8	1 ¼ x 6	32
54	57.56	4.00	58.82	59.02	57.73	63.20	65.70	65.70	1.88	2.00	1.50	20°	1 3/8	1 ½ x 6 ½	36
60	61.61	4.00	62.87	63.07	61.78	67.72	70.22	70.22	1.88	2.00	1.55	20°	1 3/8	1 ½ x 6 ½	36
64	65.67	4.00	66.96	67.13	65.84	71.86	74.36	74.36	1.88	2.00	1.62	20°	1 3/8	1 ½ x 6 ½	38

SIZE RANGE (	Please specif	y,	):

Size Range

LINING OPTIONS (Please check one):

Standard: Cement-lined and asphalt seal coat per ANSI/ AWWA C104/A21.4 and UL/NSF-61

Optional: FBE (Fusion Bonded Epoxy) per ANSI/ AWWA C116/A21.15 and UL/NSF-61 - ID & OD Only Optional: P401 (Protecto 401) Ceramic Epoxy -

sewer applications only. Not NSF-61 Optional: Other (specify)

COATING OPTIONS (Please check one):

Standard: Asphaltic seal coat per ANSI/AWWA C104/

Optional: FBE (Fusion Bonded Epoxy) per ANSI/ AWWA C116/A21.15 and UL/NSF-61 - ID & OD Only Optional: Other (specify)

REGISTERED TRADEMARK OF STAR PIPE PRODUCTS



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REV1701



# Ductile Iron Flanged Fittings

#### ANSI/AWWA C110/A21.10

#### **GENERAL SPECIFICATIONS**

MATERIAL: Ductile iron per ASTM A536

PRESSURE: 250 PSI rating for 1" - 48" sizes and 150 PSI rating for 54" - 64"

TESTING: In accordance with ANSI/AWWA C110/A21.10, UL and FM requirements

LAYING LENGTH: 2" - 48" sizes in accordance with ANSI/AWWA C110/A21.10 and ANSI B16.1 and 54" - 64" sizes in accordance with ANSI/AWWA C153/A21.53 (fittings not listed in ANSI/AWWA have dimensions per Star design as noted in the catalog)

WEIGHTS: Are in pounds, unless noted otherwise and do not include accessories, cement lining and coatings

DRILLING: In accordance with ANSI/AWWA C110/A21.10, ANSI/AWWA C153/A21.53 and ANSI B16.1 Class 125 Flanges CEMENT LINING: In accordance with ANSI/AWWA C104/A21.4 -- sizes 1"- 3" single thickness and sizes 4"- 64" double thickness

COATING: Asphaltic seal coat inside in accordance with ANSI/AWWA C104/A21.4 and prime coat outside

APPROVALS: 2" - 12" Underwriters Laboratories and ULC Listed and Factory Mutual approved for 300 PSI rating. Please consult factory for detail listing and approvals. 2" and greater are UL/NSF-61.

DIMENSIONS: All dimensions are in inches unless noted otherwise.

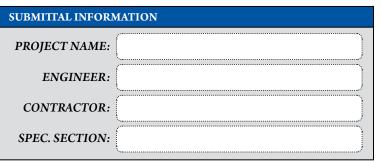
Per ANSI/AWWA C110 and C111 INSTALLATION:

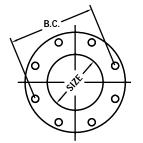


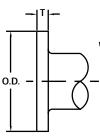












CLASSIFIED
WATER QUALITY

NOM.				BOLT HOLE	ВО	LTS
SIZE	O.D.	B.C.	T	DIA.	SIZE	NO.
1	4.25	3.12	0.44	0.62	½ x 2	4
1 1/2	5.00	3.88	0.56	0.62	½ x 2	4
2	6.00	4.75	0.62	0.75	5/8 x 2 1/4	4
2 1/2	7.00	5.50	0.69	0.75	5/8 x 2 ½	4
3	7.50	6.00	0.75	0.75	5/8 x 2 ½	4
4	9.00	7.50	0.94	0.75	5/8 x 3	8
5	10.00	8.50	0.94	0.88	3/4 x 3	8
6	11.00	9.50	1.00	0.88	3/4 x 3 1/2	8
8	13.50	11.75	1.12	0.88	3/4 x 3 1/2	8
10	16.00	14.25	1.19	1.00	7⁄8 x 4	12
12	19.00	17.00	1.25	1.00	7/8 x 4	12
14	21.00	18.75	1.38	1.13	1 x 4 ½	12
16	23.50	21.25	1.44	1.13	1 x 4 ½	16
18	25.00	22.75	1.56	1.25	1 1/8 x 5	16
20	27.50	25.00	1.69	1.25	1 1/8 x 5	20
24	32.00	29.50	1.88	1.38	1 1/4 x 5 1/2	20
30	38.75	36.00	2.12	1.38	1 ½ x 6 ½	28
36	46.00	42.75	2.38	1.63	1 ½ x 7	32
42	53.00	49.50	2.62	1.63	1 ½ x 7 ½	36
48	59.50	56.00	2.75	1.63	1 ½ x 8	44
54	66.25	62.75	3.00	2.00	1 ¾ x 8 ½	44
60	73.00	69.25	3.12	2.00	1 3/4 x 9	52
64	80.00	76.00	3.38	2.00	1 3/4 x 9	52

SIZE RANGE (Please specify):

LINING OPTIONS (Please check one):

Size Range

Standard: Cement-lined and asphalt seal coat per ANSI/AWWA C104/A21.4 and UL/NSF-61 Optional: FBE (Fusion Bonded Epoxy) per ANSI/AWWA C116/A21.15 and UL/NSF-61 - ID & OD Only Optional: P401 (Protecto 401) Ceramic Epoxy sewer applications only. Not NSF-61 Optional: Other (specify)

COATING OPTIONS (Please check one):

Standard: Red Prime Coat

Optional: Asphaltic seal coat per ANSI/AWWA

C104/A21.4

Optional: FBE (Fusion Bonded Epoxy) per ANSI/ AWWA C116/A21.15 and UL/NSF-61 - ID & OD Only

Optional: Other (specify)

REGISTERED TRADEMARK OF STAR PIPE PRODUCTS





# Lead-Free\* Bronze Ball Valves

Features: Silicon Performance Bronze® Alloy • Two-Piece Body • Full Port • Blowout-Proof Stem

**Approvals:** MSS SP-110 • NSF/ANSI-61-8 Commercial Hot 180°F

(includes annex F and G) and NSF/ANSI-372

Size range: 1/4" - 2"

Pressure rating: 600 PSI non-shock cold working pressure Maximum pressure / temperature: 100 PSI at 300° F

Lead-free\* markings: Double oval in body casting, white handle and blue hang tag



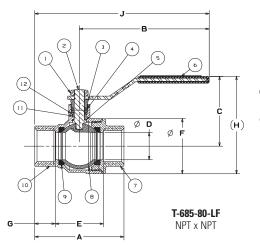


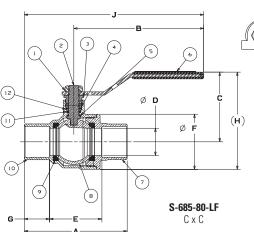


#### MATERIAI LIST

	INAL LINAL LIVI
PART	SPECIFICATION
1. Handle	Steel, Plated
2. Nut, Handle	Steel, Plated
3. Pack Gland	Brass ASTM B 16 Alloy C36000
4. Packing, Stem	Virgin PTFE
5. Washer, Flat	430 Stainless
6. O-Ring (Stem Seal)	EPDM
7. Washer, Thrust	Reinforced PTFE
8. Stem	Silicon Bronze ASTM B371 Alloy C69300
9. Body	Silicon Bronze ASTM B283 Alloy C69300
10. Seat Ring	Virgin PTFE
11. Ball	Silicon Bronze ASTM B283 Alloy C69300
12. End Piece	Silicon Bronze ASTM B283 Alloy C69300







# NIBCO **Handle Markings**

#### **DIMENSIONS—WEIGHTS—QUANTITIES**

SI	ZE		1		3		;		D						3		J	T-685	-80-LF	S-685	-80-LF	Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	ln.	mm.	In.	mm.	ln.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn Qty.
1/4	8	1.98	50	3.95	100	1.95	50	0.31	8	1.09	28	1.24	31	0.42	11	4.93	125	0.52	0.24	_	_	24
3/8	10	1.98	50	3.95	100	2.01	51	0.50	13	1.09	28	1.24	31	0.40	10	4.93	125	0.49	0.22	0.46	0.21	24
1/2	15	2.22	56	3.95	100	2.01	51	0.50	13	1.00	25	1.24	31	0.61	15	5.06	129	0.47	0.21	0.46	0.21	80
3/4	20	2.66	68	4.76	121	2.30	58	0.75	19	1.42	36	1.64	42	0.63	16	6.09	155	0.70	0.32	0.69	0.31	60
1	25	3.27	83	4.76	121	2.56	65	1.00	25	1.77	45	2.03	52	0.75	19	6.4	163	1.10	0.50	1.12	0.51	40
1-1/4	32	3.56	90	6.75	171	3.07	78	1.25	32	2.01	51	2.38	60	0.76	19	8.51	216	1.69	0.77	1.66	0.75	4
1-1/2	40	3.98	101	6.75	171	3.31	84	1.50	38	2.44	62	2.89	73	0.77	20	8.73	222	2.58	1.17	2.71	1.23	2
2	50	4.52	115	6.75	171	3.56	90	2.00	51	2.94	75	3.6	91	0.79	20	9.01	229	4.37	1.98	4.62	2.1	8



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

\*Weighted average lead content ≤ 0.25%

# **Class 125 Bronze Check Valves**

Horizontal Swing • Regrinding Type • Y-Pattern • Renewable Seat and Disc

125 PSI/8.6 Bar Saturated Steam to 353° F/178° C 200 PSI/13.8 Bar Non-Shock Cold Working Pressure

#### CONFORMS TO MSS SP-80

#### **MATERIAL LIST**

	PART	SPECIFICATION
1.	Bonnet	Bronze ASTM B 62
2.	Body	Bronze ASTM B 62
3.	Hinge Pin	Bronze ASTM B 140 Alloy C31400 or B 134 Alloy C23000
4.	Disc Hanger	Bronze ASTM B 62 or 304 Stainless Steel 1/4" thru 3/4" sizes
5.	Hanger Nut	Bronze ASTM B 16
6.	Disc Holder	Bronze ASTM B 62
7.	Seat Disc	Water, Oil or Gas (Buna-N) (W) Steam (PTFE) (Y) Bronze ASTM (B) FKM (V) B 62 C83600
8.	Seat Disc Nut	Bronze ASTM B 16 or B 62
9.	Hinge Pin Plug	Bronze ASTM B 140 Alloy C31400 (not shown)
10.	Seat Disc Washer*	ASTM B 98 Alloy C65500 or ASTM B 103

<sup>\*</sup> Sizes 3/4", 1", 11/4", 11/2" and 2" only.

#### **DIMENSIONS—WEIGHTS—QUANTITIES**

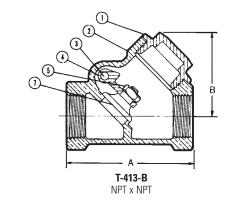
		Dimensions										
Siz	ze		Α		3		С	T-4	413	S-4	13	Master
ln.	mm.	ln.	mm.	ln.	mm.	ln.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Oty.
1/4	8	2.13	54	1.63	41	1.38	35	0.50	0.23	0.51	0.23	50
3/8	10	2.13	54	1.63	41	1.31	33	0.47	0.22	0.48	0.22	50
1/2	15	2.44	62	1.69	43	1.50	38	0.55	0.25	0.55	0.25	50
3/4	20	2.94	75	1.88	48	1.88	48	0.90	0.41	0.88	0.40	50
1	25	3.56	90	2.31	59	2.25	57	1.46	0.66	1.48	0.67	30
1 1/4	32	4.19	106	2.69	68	2.75	70	2.17	0.99	2.22	1.01	20
1 1/2	40	4.50	114	2.94	75	1.13	79	2.95	1.34	3.00	1.36	10
2	50	5.25	133	3.94	100	3.75	95	4.79	2.17	4.87	2.21	10
21/2*	65	8.00	203	5.06	129	5.06	129	11.48	5.21	10.48	4.76	5
3*	80	9.25	235	6.25	159	6.25	159	17.53	7.96	15.29	6.94	4

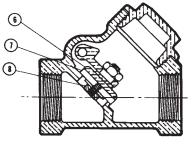
Ordering: T-413 and S-413 normally furnished with Bronze Disc (T-413-B) or (S-413-B). Both available with PTFE Steam Disc (T-413-Y), (S-413-Y), or CWP Disc (T-413-W), (S-413-W) or 300° F 67 PSI steam FKM Disc (T-413-V).

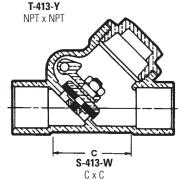
For detailed Operating Pressure, refer to Pressure Temperature Chart on page 113.



S-413 Solder







NIBCO® Check Valves may be installed in both horizontal and vertical lines with upward flow or in any intermediate position. They will operate satisfactorily in a declining plane (no more than 15°).

Warning - Do Not Use For Reciprocating Air Compressor Service.

<sup>\*</sup> Class 150 (433) furnished for these sizes.



# **Figure # 267**

Brass Gate Valve (1/2"-4")

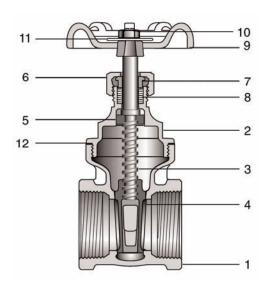
#### **Product Features**

- 200# WOG
- Brass Body
- Non-Rising Stem
- Solid Disc
- Threaded Ends
- Inserted bonnet

Pressure/Temperature Ratings					
200# WOG	212 degrees F. max temp.				

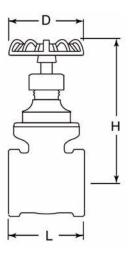
#### **Materials & Specifications**

Item	Description	Material	Specification
1	Body	Brass	B584 C85400
2	Bonnet	Brass	B584 C85400
3	Stem	Brass	B124
4	Disc	Brass	B124
5	Lock Nut	Brass	B124
6	Gland nut	Brass	B124
7	Gland	Brass	B124
8	Packing	PTFE	-
9	Handwheel	Aluminum	-
10	Nut	Steel	A36
11	Tag	Aluminum	-
12	Gasket	PTFE	-



#### Dimensions, Weights (inches-lbs.) & Valve Data

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
D	.5	.68	.9	1.1	1.37	1.73	2.22	2.71	3.42
Н	2.75	3.15	3.62	4.37	4.84	5.43	6.85	7.91	9.29
L	1.65	1.77	2.02	2.16	2.3	2.49	3.22	3.77	4.0
Wt lbs.	.5	.63	.94	1.44	1.88	2.56	5.56	6.88	12.44





RED-WHITE VALVE CORP. 20600 Regency Lane • Lake Forest, CA 92630 tel: 949.859.1010 • fax: 949.859.7200 • www.redwhitevalvecorp.com



December 18, 2013

To our valued customer:

We hereby certify that to the best of our knowledge and belief all brass nipples manufactured by Merit Brass Company in Cleveland, Ohio conform to specification ASTM B687-88.

Nipples are threaded with American Standard taper pipe threads (NPT) in accordance with screw-threaded standard for Federal Services Handbook H-28.

Brass nipples have a weighted average lead content of <= .25% and are in compliance with lead content requirements for lead free plumbing as defined by the U.S. Safe Drinking Water Act.

Sincerely,

Alan Lipp,

Chief Operating Officer







#### To Our Valued Customer:

To the best of our knowledge, when we distribute S.A. brand brass fittings manufactured by Siam Fittings Co. Bangkok Thailand, they comply with the following standards:

	SPECIFICATIONS
DIMENSION	ANSI/ASME B16.15
	ASME B16.14
	A-A-59617
	MSS-SP-106
THREADS	ANSI/ASME B1.20.1
MATERIAL	ASTM B62-93 (C83600)
	Cu=84.0-86.0%
	Sn=4.0-6.0%
	Pb=4.0-6.0%
	Zn=4.0-6.0%

Sincerely,

MERIT BRASS COMPANY

Marc Schlessinger

President

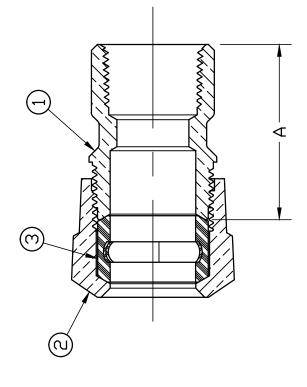


No. QTY. DESCRIPTION CAST LOW LEAD BRASS ALLOY 2 1 CONN. NUT CAST BRASS ASTM B62 ALLOY C83600 3 1 CTS GSKT SUB SBR D2000 - GSKT 410ss - BAND	SIZE A  1/2" x 3/4" 1.750  1/2" x 3/4" 1.965  3/4" x 1" 2.125  3/4" x 1" 2.125  1" x 3/4" 1.976  1" x 3/4" 1.976  1" x 2" 2.872  1-1/4" x 1" 2.194  1-1/2" 2.375  1-1/2" 2.375  1-1/2" 2.625  2" x 1-1/2" 2.453	PARTS ARE L□W LEAD BRASS ALL□Y           Multernasysubmittals/his428N           CHKR         9/17/09         CHKR           ENGR         UNLESS DTHERWISE NDTED         THIRD ANGLE PROJECTION           BY         DATE         LINEAR         SURFACE PREPARATION:         SCALE           SURFACE PREPARATION:         BY         DATE         LINEAR         SCALE           SURFACE PINISH 000 RMS         STK No:         ANGULAR         SCALE           LINEAR         LINEAR         LINEAR         NONE           MAT'L:         ANGULAR         ANGULAR         DWG NUMBER           TIIIN         DATE         LLB STRAIGHT SERVICE FITTING         DWG NUMBER           TIIN         DATE         LLB STRAIGHT SERVICE FITTING         H15428N
		ALL WETTED PARTS A FILEPATH: PROD-ENGNMUELLERNASY FILEPATH: PROG-ENGNMUELLERNASY FILEPATH: PROD-ENGNMUELLERNASY FILEPATH: PROG-ENGNMUELLERNASY FILEPATH: PROD-ENGNMUELLERNASY FILEPATH: PROG-ENGNMUELLERNASY FILEPATH: PR

DESCRIPTION	Ψ	MATERIAL	
SPUD	CAST LOW LEAD	EAD BRASS	ALLOY
CONN, NUT	CAST BRASS AST	ASTM B62 ALL	ALLOY C83600
GSKT SUB	SBR D2000 - G	GSKT 410ss	ss - BAND
SIZE	∢		
1/2"	1,564		
$1/2" \times 3/4"$	4″ 1,900		
5/8" × 3/4"	4" 1,750		
3/4"	1,965		
$3/4" \times 1/2"$	2" 1,825		
$3/4" \times 1"$	1,766		
1″	2,094		
$1'' \times 3/4''$	1,625		
$1'' \times 1 - 1/4''$	." 2.516		
1-1/4"	2,469		
1-1/4" ×	1" 2.194		
1-1/2"	2,500		
1-1/2" ×	1" 2,880		
ູ້ພ	2,562		

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# ALL WETTED PARTS ARE LOW LEAD BRASS ALLOY NOTE

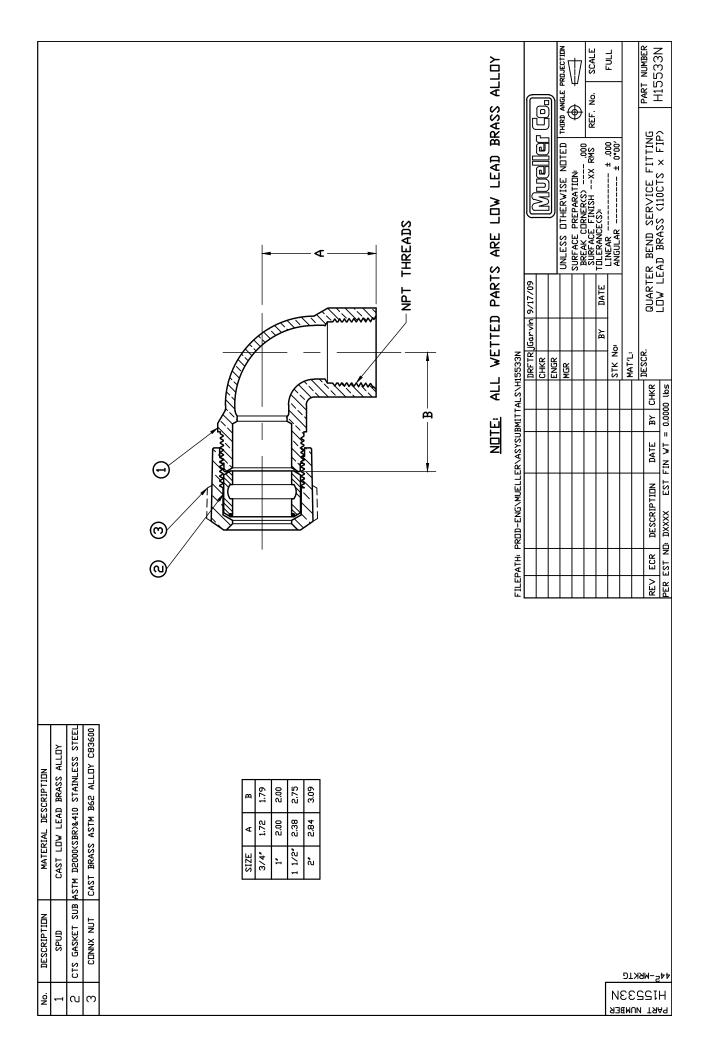
2,265

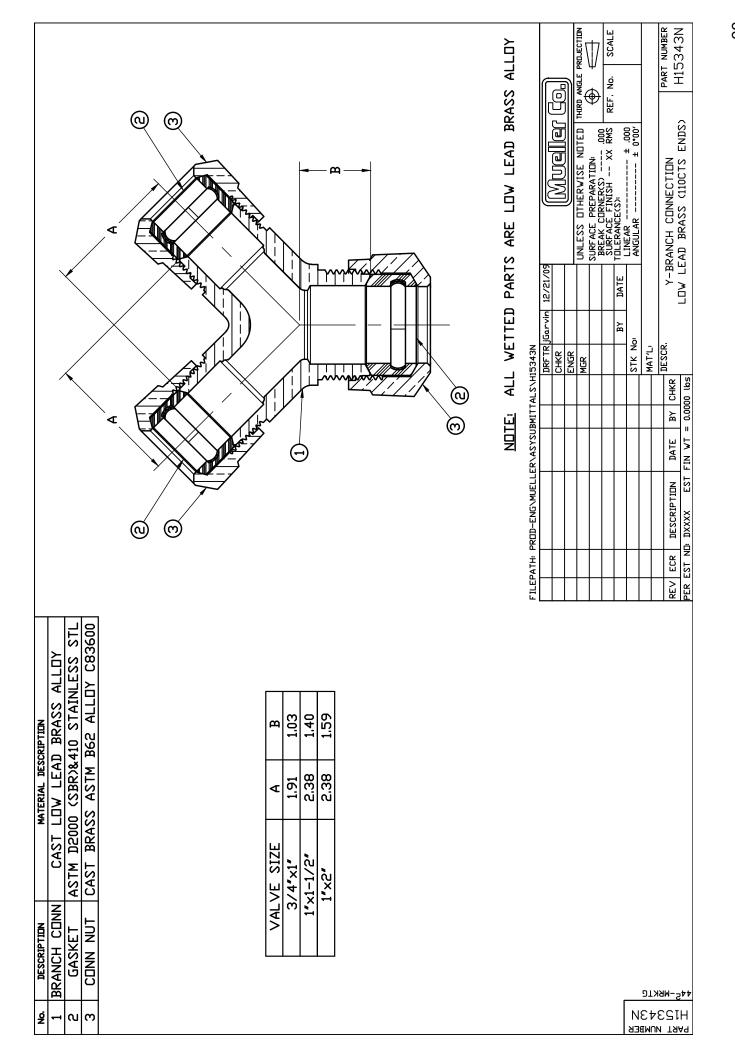
 $2" \times 1-1/2"$ 

	FILEF	АТН: Р	FILEPATH: PRDD-ENG\MUELLER\ASYSUBMITTALS\H15451N	.R\ASYSUI	BMITT4	ALS/H1	5451N			
							DRFTR JGarvin 9/17/09	9/11/09		
							CHKR			
							ENGR			
							MGR		물	E PROJECTION
									SURFACE PREPARATION:  BPFAK CHRNEP(S) 000	#
									SURFACE FINISH 000 RMS REF, No.	SCALE
							ВУ	DATE	TDLERANCE(S):	
							STK No:		ANGULAR ± .000	
							MAT'.			
							<u>.</u>			
NEERING							DESCR.	1 1		DWG NUMBER
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445-MRKTG

NIS+SIH DMC NOWBEK







90 Series
(Full Internal Port)

690 Series
(Reduced Internal Port)

# **Pressure Reducing Valves**



#### **Schematic Diagram**

tem	Description
1	Hytrol (Main Valve)
2	X58 Restriction Fitting
3	CRD Pressure Reducing Contro

#### **Optional Features**

ltem	Description
Α	X46A Flow Clean Strainer
В	CK2 (Isolation Valve)
С	CV Flow Control (Closing)*
D	Check Valves with Isolation Valve
Р	X141 Pressure Gauge
S	CV Flow Control (Opening)
V	X101 Valve Position Indicator
Υ	X43 "Y" Strainer

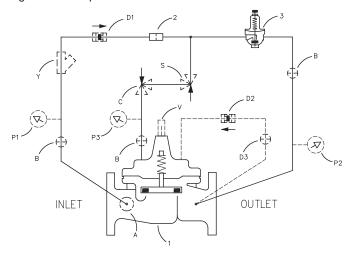
<sup>\*</sup>The closing speed control (optional) on this valve should always be open at least three (3) turns off its seat.

#### Model 90-01/690-01

- Sensitive and Accurate Pressure Control
- Easy Adjustment and Maintenance
- Tamper Resistant
- Optional Check Feature
- Fully Supported Frictionless Diaphragm

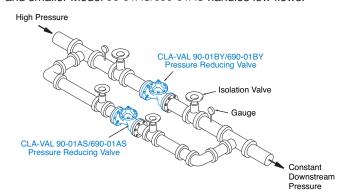
The Cla-Val Model 90-01/690-01 Pressure Reducing Valve automatically reduces a higher inlet pressure to a steady lower downstream pressure, regardless of changing flow rate and/or varying inlet pressure. This valve is an accurate, pilot-operated regulator capable of holding downstream pressure to a predetermined limit. When downstream pressure exceeds the pressure setting of the control pilot, the main valve and pilot valve close drip-tight.

If a check feature is added, and a pressure reversal occurs, the downstream pressure is admitted in the main valve cover chamber, closing the valve to prevent return flow.



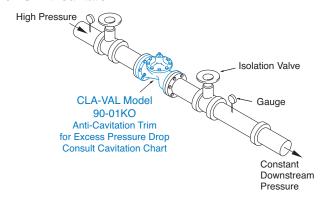
#### **Typical Applications**

Typical applications include pressure reducing valve station using Model 90-01BY/690-01BY and Model 90-01AS/690-01AS in parallel to handle wide range of flow rates. Larger Model 90-01BY/690-01BY valve meets requirements of peak loads and smaller Model 90-01AS/690-01AS handles low flows.



Cla-Val Model 90-01KO/690-01KO Pressure Reducing Valve with Anti-Cavitation Trim provides for optimum downstream pressure control while reducing noise and eliminating damage associated with cavitation.

See Cavitation Guide to determine if the valve is a candidate for the KO Anti-Cavitation Trim.



#### Model 90-48/690-48

# Pressure Reducing Valve with Low Flow By-Pass

The Cla-Val Model 90-48/690-48 Pressure Reducing Valve with Low Flow By-Pass automatically reduces a higher inlet pressure to a steady lower downstream pressure, regardless of changing flow rate. The low flow by-pass capability is achieved by using the Cla-Val Model CRD-40 Direct Acting Pressure Reducing Valve as an integral part of the main valve. By doing this, space is saved and installation and maintenance become much easier.

The pressure reducing valve is hydraulically operated and controlled by a Cla-Val CRD pilot control, which senses pressure at the main valve outlet. An increase in outlet pressure forces the CRD pilot control to close and a decrease in outlet pressure opens the control. This causes the main valve cover pressure to vary, modulating the main valve, thereby, maintaining constant outlet pressure.

The Model CRD-40 low flow pressure reducing by-pass is preset to a higher pressure than the CRD pilot control. The CRD-40 responds to pressure changes at the main valve outlet. When the CRD closes, the Model CRD-40 remains open, allowing low flow to by-pass the main valve. The CRD-40 closes when the flow decreases and the downstream pressure reaches its set-point .

The Cla-Val Model 90-48/690-48 is not a substitute for a low flow bypass valve in all cases. This valve is commonly used in buildings where 1-15 gpm low flows are common in off peak usage. The bypass on this valve is limited to the body tapping size on the main valve.

#### **Schematic Diagram**

#### Item Description

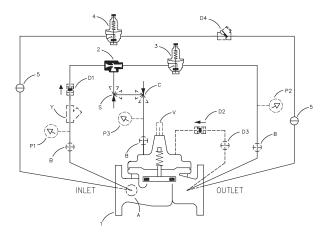
- 1 Hytrol (Main Valve)
- 2 X47A Ejector
- 3 CRD Pressure Reducing Control
- 4 CRD-40 Pressure Reducing Valve
- 5 CK2 (Isolation Valve)

#### **Optional Features**

#### Item Description

- A X46A Flow Clean Strainer
- B CK2 (Isolation Valve)
- C CV Flow Control (Closing)\*
- D Check Valves with Isolation Valve
- P X141 Pressure Gauge
- S CV Flow Control (Opening)\*
- V X101 Valve Position Indicator
- Y X43 "Y" Strainer

<sup>\*</sup>The closing speed control (optional) on this valve should always be open at least three (3) turns off its seat.



If a check feature is added, and a pressure reversal occurs, the downstream pressure is admitted in the main valve cover chamber closing the valve to prevent return flow.

#### **Schematic Diagram**

#### Item Description

- 1 Hytrol (Main Valve)
- 2 X44A Strainer & Orifice
- 3 CRD Pressure Reducing Control
- 4 CRL Pressure Relief Control
- 5 CV Flow Control (Opening)

#### **Optional Features**

# Item Description B CK2 (Isolation

B CK2 (Isolation Valve)C CV Flow Control (Closing)\*

D Check Valves With Isolation

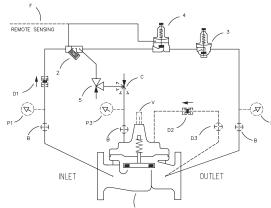
Valve

F Remote Pilot Sensing
P X141 Pressure Gauge

X141 Pressure Gauge X101 Valve Position

Indicator

٧



#### Model 92-01/692-01

# **Combination Pressure Reducing and Pressure Sustaining Valve**

The Cla-Val Model 92-01/692-01 Combination Pressure Reducing and Pressure Sustaining Valve automatically performs two independent functions. It maintains a constant downstream pressure, regardless of fluctuating demand and sustains the upstream pressure to a pre-determined minimum.

The pressure reducing control responds to slight variations in downstream pressure and immediately repositions the main valve to maintain the desired downstream pressure. The pressure sustaining control is normally held open by the upstream pressure, but modulates should the pressure drop to the control set-point. This, in turn, modulates the main valve to sustain the desired upstream pressure.

If a check feature is added, and a pressure reversal occurs, the downstream pressure is admitted into the main valve cover chamber and the valve closes to prevent return flow.

<sup>\*</sup> The closing speed control (optional) on this valve should always be open at least three (3) turns off its seat.

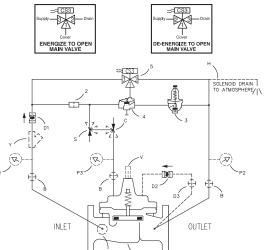
#### **Schematic Diagram**

#### Item Description

- Hytrol (Main Valve) 1
- 2 X58C Restriction Assembly
- 3 **CRD Pressure Reducing** Control
- 100-01 Hytrol (Reverse 4 Flow)
- 5 CS3 Solenoid Control

#### **Optional Features**

#### **Description** Item X46A Flow Clean Strainer Α В CK2 (Isolation Valve) С CV Flow Control (Closing)\* D Check Valves with Isolation Valve Н Solenoid Drain To Atmosphere Р X141 Pressure Gauge CV Flow Control (Opening) S V X101 Valve Position



Indicator

X43 "Y" Strainer

Υ

#### Model 93-01/693-01

#### **Pressure Reducing and Solenoid** Shut-Off Valve

The Cla-Val Model 93-01/693-01 Combination Pressure Reducing and Solenoid Shut-Off Valve consists of a Cla-Val Hytrol main valve, a reducing control, and a solenoid control connected to the main valve. This valve automatically reduces higher inlet pressure to a steady lower downstream pressure, regardless of changing flow rate and/or varying inlet pressure.

The 93-01/693-01 is an accurate, pilot-operated regulator capable of holding downstream pressure to a pre-determined delivery pressure. When downstream pressure exceeds the pressure setting of the control pilot, the pilot valve and main valve close drip-tight. A solenoid control is provided to intercept the operation of the pressure reducing control and close the main valve. This valve is furnished either normally open (de-energized to open), or normally closed (energized to open). Pressure setting adjustment is made with a single adjusting screw.

If a check feature is added, and a pressure reversal occurs, the downstream pressure is admitted in the main valve cover chamber, closing the valve to prevent return flow.

#### **Schematic Diagram**

#### Item **Description**

- Hytrol (Main Valve) 1
- 2 X58C Restriction Assembly
- 3 **CRD Pressure Reducing** Control
- **CRL Pressure Relief Control**

#### **Optional Features**

Ρ

#### Item Description

- X46A Flow Clean Strainer Α
- В CK2 (Isolation Valve)
- С CV Flow Control (Closing)\* D
  - Check Valves with Isolation
- F Remote Pilot Sensing
  - X141 Pressure Gauge
- S CV Flow Control (Opening)
- ٧ X101 Valve Position
  - Indicator
- X43 "Y" Strainer

# OUTLET

#### Model 94-01/694-01

#### **Combination Pressure Reducing** and Surge Control Valve

The Cla-Val Model 94-01/694-01 Combination Pressure Reducing and Surge Control Valve automatically reduces a higher inlet pressure to a steady lower downstream pressure, regardless of changing flow rate and/or varying inlet pressure.

This valve is an accurate, pilot-operated control valve capable of holding downstream pressure to a predetermined limit. When downstream pressure rapidly exceeds the pressure setting of the pressure reducing control pilot, the surge pilot (CRL) will open quickly to prevent a rapid pressure rise downstream.

If a check feature is added, and a pressure reversal occurs, the downstream pressure is admitted in the main valve cover chamber closing the valve to prevent return flow.

<sup>\*</sup>The closing speed control (optional) on this valve should always be open at least three (3) turns off its seat.

<sup>\*</sup> The closing speed control (optional) on this valve should always be open at least three (3) turns off its seat.

#### Pressure Ratings (Recommended Maximum Pressure - psi)

Valve Body 8	Pressure Class					
valve body o	Fla	anged		Grooved	Threaded	
Grade	Material	ANSI	150	300	300	End‡
Grade	ivialeriai	Standards*	Class	Class	Class	Details
ASTM A536	Ductile Iron	B16.42	250	400	400	400
ASTM A216-WCB	Cast Steel	B16.5	285	400	400	400
ASTM B62	Bronze	B16.24	225	400	400	400

Note: \* ANSI standards are for flange dimensions only. Flanged valves are available faced but not drilled.

‡ End Details machined to ANSI B2.1 specifications.

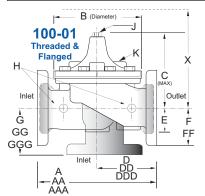
Valves for higher pressure are available; consult factory for details

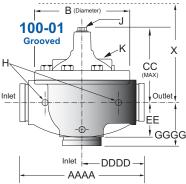
#### **Materials**

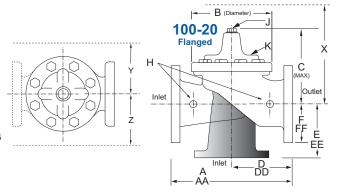
Component	Standar	d Material Comb	oinations			
Body & Cover	Ductile Iron	Cast Steel	Bronze			
100-01 Available Sizes	1" - 36"	1" - 16"	1" - 16"			
100-20 Available Sizes	3" - 48"	3" - 48" 3" - 16" 3" - 16"				
Disc Retainer & Diaphragm Washer	Cast Iron Cast Steel Bronze					
Trim: Disc Guide,	В	ronze is Standa	rd			
Seat & Cover Bearing	Stainless Steel is Optional					
Disc	Buna-N® Rubber					
Diaphragm	Nylon Reinforced Buna-N® Rubber					
Stem, Nut & Spring		Stainless Steel				

For material options not listed, consult factory.

Cla-Val manufactures valves in more than 50 different alloys.







#### Model 100-01 Dimensions (Full Internal Port) (In Inches)

Note: The top two flange holes on valve size 36 are threaded to 1 1/2"-6 UNC.

Wodel 100-01 Di		,,,,,,,	(i dii i	interna	i oit)	(111 111011	00)		Note.	. The top	two nai	nge noie	S OII Vai	ve size s	oo are iii	readed	.0 1 1/2	-0 UNC.
Valve Size (Inches)	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36
A Threaded	7.25	7.25	7.25	9.38	11.00	12.50	_	_	_	_	_	_	_	_	_	_	_	_
AA 150 ANSI	_	8.00	8.50	9.38	11.00	12.00	15.00						41.38	46.00	52.00	61.50	63.00	76.00
AAA 300 ANSI	_	_	9.00	10.00	11.62	13.25	15.62	21.00	26.38	31.12	35.50	40.50	43.50	47.64	53.62	63.24	64.50	76.00
AAAA Grooved End	_	_	8.50	9.00	11.00	12.50	15.00	20.00	25.38	_	_	_	_	_	_	_	_	_
B Dia.	5.62	5.62	5.62	6.62	8.00	9.12	11.50	15.75	20.00	23.62	28.00	32.75	35.50	41.50	45.00	53.16	56.00	66.00
C Max.	5.50	5.50	5.50	6.50	7.56	8.19	10.62	13.38	16.00	17.12	20.88	24.19	25.00	39.06	41.90	43.93	54.60	61.50
CC Max. Grooved End	_	_	4.75	5.75	6.88	7.25	9.31	12.12	14.62	_	_	_	_	_	_	_	_	_
<b>D</b> Threaded	3.25	3.25	3.25	4.75	5.50	6.25	_	_	_	_	_	_	_	_	_	_	_	_
DD 150 ANSI	_	_	4.00	4.75	5.50	6.00	7.50	10.00	12.69	14.88	17.00	19.50	20.81	_	_	30.75	_	_
DDD 300 ANSI	_	_	4.25	5.00	5.88	6.38	7.88	10.50	13.25	15.56	17.75	20.25	21.62	_	_	31.62	_	_
DDDD Grooved End	_	_	_	4.75	_	6.00	7.50	_	_	_	_	_	_	_	_	_	_	_
E	1.12	1.12	1.12	1.50	1.69	2.06	3.19	4.31	5.31	9.25	10.75	12.62	15.50	12.95	15.00	17.75	21.31	24.56
EE Grooved End	_	_	2.00	2.50	2.88	3.12	4.25	6.00	7.56	_	_	_	_	_	_	_	_	
F 150 ANSI	_	2.25	2.50	3.00	3.50	3.75	4.50	5.50	6.75	8.00	9.50	10.50	11.75	15.00	16.50	19.25	22.50	25.60
FF 300 ANSI	_	_	3.06	3.25	3.75	4.13	5.00	6.25	7.50	8.75	10.25	11.50	12.75	15.00	16.50	19.25	24.00	25.60
G Threaded	1.88	1.88	1.88	3.25	4.00	4.50	_	_	_	_	_	_	_	_	_	_	_	_
GG 150 ANSI	_	_	4.00	3.25	4.00	4.00	5.00	6.00	8.00	8.62	13.75	14.88	15.69	_	_	22.06	_	_
GGG 300 ANSI	_	_	4.25	3.50	4.31	4.38	5.31	6.50	8.50	9.31	14.50	15.62	16.50	_	_	22.90	_	_
GGGG Grooved End	_	_	_	3.25	_	4.25	5.00	_	_	_	_	_	_	_	_	_	_	_
H NPT Body Tapping	.375	.375	.375	.375	.50	.50	.75	.75	1	1	1	1	1	1	1	1	2	2
J NPT Cover Center Plug	.25	.25	.25	.50	.50	.50	.75	.75	1	1	1.25	1.5	2	1.5	1.5	1.5	2	2
K NPT Cover Tapping	.375	.375	.375	.375	.50	.50	.75	.75	1	1	1	1	1	1	1	1	2	2
Stem Travel	0.4	0.4	0.4	0.6	0.7	0.8	1.1	1.7	2.3	2.8	3.4	4.0	4.5	5.1	5.63	6.75	7.5	8.5
Approx. Ship Wt. Lbs.	15	15	15	35	50	70	140	285	500	780	1165	1600	2265	2982	3900	6200	7703	11720
X Pilot System	11	11	11	13	14	15	17	29	31	33	36	40	40	43	47	68	79	85
Y Pilot System	9	9	9	9	10	11	12	20	22	24	26	29	30	32	34	39	40	45
<b>Z</b> Pilot System	9	9	9	9	10	11	12	20	22	24	26	29	30	32	34	39	42	47

#### Model 100-20 Dimensions (Reduced Internal Port) (In Inches)

Note: The top two flange holes on valve sizes 36 thru 48 are threaded to 1 1/2"-6 UNC.

Valve Size (Inches)	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48
A 150 ANSI	10.25	13.88	17.75	21.38	26.00	30.00	34.25	35.00	42.12	48.00	48.00	63.25	65.00	76.00	94.50
AA 300 ANSI	11.00	14.50	18.62	22.38	27.38	31.50	35.75	36.62	43.63	49.62	49.75	63.75	67.00	76.00	94.50
<b>B</b> Dia.	6.62	9.12	11.50	15.75	20.00	23.62	27.47	28.00	35.44	35.44	35.44	53.19	56.00	66.00	66.00
C Max.	7.00	8.62	11.62	15.00	17.88	21.00	20.88	25.75	25.00	31.00	31.00	43.94	54.60	61.50	61.50
<b>D</b> 150 ANSI	_	6.94	8.88	10.69	CF*	_	_	_	_						
DD 300 ANSI	_	7.25	9.38	11.19	CF*	_	_	_	_						
E 150 ANSI	_	5.50	6.75	7.25	CF*	_	_	_	_						
EE 300 ANSI	_	5.81	7.25	7.75	_	_	_	_	_	_	_	_	_	_	_
F 150 ANSI	3.75	4.50	5.50	6.75	8.00	9.50	11.00	11.75	15.88	14.56	17.00	19.88	25.50	28.00	31.50
FF 300 ANSI	4.12	5.00	6.25	7.50	8.75	10.25	11.50	12.75	15.88	16.06	19.00	22.00	27.50	28.00	31.50
H NPT Body Tapping	.375	.50	.75	.75	1	1	1	1	1	1	1	1	2	2	2
J NPT Cover Center Plug	.50	.50	.75	.75	1	1	1.25	1.25	2	2	2	2	2	2	2
K NPT Cover Tapping	.375	.50	.75	.75	1	1	1	1	1	1	1	1	2	2	2
Stem Travel	0.6	0.8	1.1	1.7	2.3	2.8	3.4	3.4	3.4	4.5	4.5	6.5	7.5	8.5	8.5
Approx. Ship Wt. Lbs.	45	85	195	330	625	900	1250	1380	1500	2551	2733	6500	8545	12450	13100
X Pilot System	13	15	27	30	33	36	36	41	40	46	55	68	79	85	86
Y Pilot System	10	11	18	20	22	24	26	26	30	30	30	39	40	45	47
<b>Z</b> Pilot System	10	11	18	20	22	24	26	26	30	30	30	39	42	47	49

The dark shaded portion of the chart illustrates the region where cavitation damage may occur. The lighter shaded portion is where significant cavitation noise and vibration may occur. Operating conditions inside the dark shaded area is permissible for infrequent periods of short duration. The guide is for modulating service valves. For on/off valves, consult factory.

The chart is based on cavitation index (sigma) values as defined by Utah State University Water Research Laboratory.

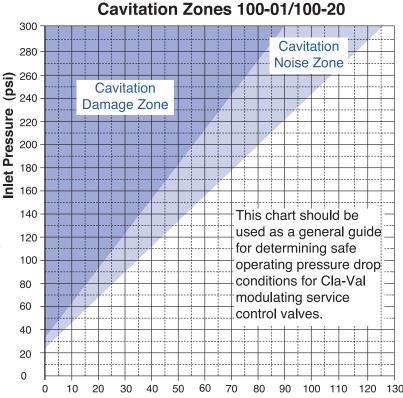
$$\sigma = \frac{(P_2 - P_v)}{(P_1 - P_2)} \quad \text{where}$$

 $\sigma$  = cavitation index,  $P_1$ =inlet pressure (psi),

 $P_2$  = outlet pressure (psi),  $P_v$  = water vapor pressure (psig).

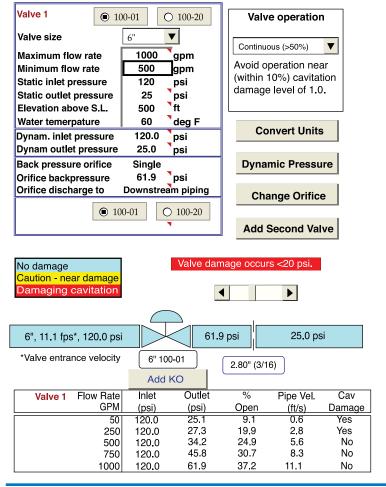
The dark shaded portion is below  $\sigma$  of 0.5 and the lighter shaded area is below  $\sigma$  of 0.8. The chart is to be used for typical valve operating conditions below 40% open at standard water temperature and elevation below 1000 feet.

More accurate cavitation conditions are determined from the Cla-CAV analysis program including static and dynamic inlet and outlet pressures, flow range, elevation, water temperature, and service conditions. If operation is inside the shaded areas, the Cla-CAV analysis can be used to determine whether added back pressure from an orifice plate, a second valve in series, or adding KO Anti-Cavitation trim (see 100-01KO data sheet) is necessary. Contact your Cla-Val representative for a free analysis.

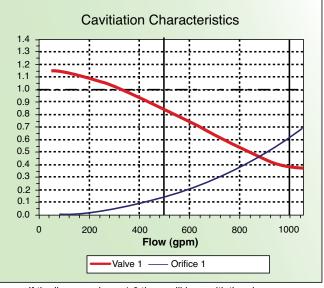


This chart should be used as a general guide for determining safe operating pressure drop conditions for Cla-Val modulating service control valves.

**Outlet Pressure (psi)** 



For a more detailed cavitation analysis or if operation will be outside of the above chart, request a Cla-CAV computer analysis. Cla-CAV can evaluate what options best solve any potential cavitation problem. In the example shown, a 6 inch 100-01 modulating service valve requires an orifice plate downstream to prevent damaging cavitation. For wider flow range service, either an extra valve in series or the addition of KO Anti-Cavitation trim to the valve may be necessary (see 100-01KO data sheet). Consult factory for a free analysis for wide open or modulating service valves.



If the lines go above 1.0 there will be cavitiation damage.

90		100-0	1 Patte	rn: Glob	e (G), A	ngle (A)	, End C	onnecti	ons: Th	readed (	(T), Groo	oved (GI	٦), Flanç	ged (F) I	ndicate	Availabl	e Sizes		
Series	Inches	1	11/4	1½	2	2½	3	4	6	8	10	12	14	16	18	20	24	30	36
Valve Selection	mm	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500	600	750	900
Basic Valve	Pattern	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G, A	G	G	G, A	G	G
100-01	End Detail	Т	T, F	T, F, Gr*	T, F, Gr	T, F, Gr*	T, F, Gr	F, Gr	F, Gr*	F, Gr*	F	F	F	F	F	F	F	F	F
	Maximum	55	93	125	210	300	460	800	1800	3100	4900	7000	8400	11000	14000	17000	25000	42000	50000
Suggested Flow (gpm)	Maximum Intermittent	68	120	160	260	370	580	990	2250	3900	6150	8720	10540	13700	17500	21700	31300	48000	62500
(9511)	Minimum	1	1	1	1	2	2	4	10	15	35	50	70	95	120	150	275	450	650
Suggested	Maximum	3.5	6	8	13	19	29	50	113	195	309	442	530	694	883	1073	1577	2650	3150
Suggested Flow (Liters/Sec)	Maximum Intermittent	4.3	7.6	10	16	23	37	62	142	246	387	549	664	863	1104	1369	1972	3028	3940
	Minimum	.03	.03	.03	.06	.09	0.13	0.25	0.63	0.95	2.2	3.2	4.4	6.0	7.6	9.5	17.4	28.4	41.0
100-01 Series	is the full ir	nternal	port H	lytrol.				For Lo	ower F	lows	Consu	ılt Fac	tory				*Globe	Groove	ed Only

690				100-20 P	attern: G	lobe (G),	Angle (A)	, End Co	nnection	ıs: Flange	d (F) Indic	ate Availa	ble Sizes			
Series Valve Selection	Inches	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48
	mm	80	100	150	200	250	300	350	400	450	500	600	750	900	1000	1200
Basic Valve 100-20	Pattern	G	G, A	G, A	G, A	G	G	G	G	G	G	G	G	G	G	G
	End Detail	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
Suggested Flow	Maximum	260	580	1025	2300	4100	6400	9230	9230	16500	16500	16500	28000	33500	33500	33500
(gpm)	Minimum	1	2	4	10	15	35	50	50	95	95	95	275	450	450	450
Suggested Flow	Maximum	16	37	65	145	258	403	581	581	1040	1040	1040	1764	2115	2115	2115
(Liters/Sec)	Minimum	.06	.13	.25	.63	.95	2.2	3.2	3.2	6.0	6.0	6.0	17.4	28.4	41.0	41.0
100-20 Series	00-20 Series is the reduced internal port size version of the 100-01 Series. For Lower Flows Consult Factory															

90 Series/690 Series
<b>Pilot System Specifications</b>

#### Temperature Range, and **Materials Apply to all** 90 Series/690 Series

#### **Temperature Range** Water: to 180°F

#### **Materials**

Standard Pilot System Materials

Pilot Control: Bronze ASTM B62 Trim: Stainless Steel 303 Rubber: Buna-N® Synthetic

Rubber

Optional Pilot System Materials

Pilot systems are available with optional Aluminum, Stainless Steel or Monel

materials.

Note: Available with remote sensing control.

#### **Pilot System Adjustment Ranges**

Model 90-01/690-01 **CRD Pilot** 

2 30 psi to 15 to 75 psi 20 to 105 psi 30 to 300 psi \*

Model 90-48/690-48

**CRD-40 Pilot** 15 to 150 psi

2 to 30 psi 15 to 75 psi 105 psi 20 to 30 to 300 psi \*

**CRD Pilot** 

**CRD Pilot** 2 to 30 psi 15 to 75 psi

105 psi

300 psi \*

Model 92-01/692-01

**CRL Pilot** 0 to 75 psi 20 to 200 psi \* 100 to 300 psi 250 to 600 psi

Model 93-01/693-01

**CRD Pilot** 2 to 30 psi 15 to 75 psi 105 psi 20 to 30 to 300 psi '

20 to

30 to

Solenoid Pilot 24, 48, 120, 240, 480 - 60 Hz VAC 6, 12, 24, 120, 240 VDC

Model 94-01/694-01

**CRD Pilot CRL Pilot** 2 to 0 to 30 psi 75 psi 15 to 200 psi \* 75 psi 20 to 20 to 105 psi 100 to 300 psi 30 to 250 to 300 psi \* 600 psi \*Supplied unless otherwise specified Other ranges available, please consult factory

# 501 & RC501 **COUPLINGS AND REDUCING COUPLINGS**

#### SUBMITTAL INFORMATION



#### **MATERIALS**

The end rings and center rings are cast from ductile (nodular) iron, meeting or exceeding ASTM A 536.

#### **GASKETS**

Gaskets are made from virgin Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D 2000 MBA 710. Other compounds available for petroleum, chemical, or high temperature service.

#### **BOLTS AND NUTS**

5/8 inch, High strength low alloy steel trackhead bolts. National coarse rolled thread and heavy hex nuts. Steel meets AWWA C111 composition specifications. Stainless steel bolts and nuts available on request.

#### **COATINGS**

Shop coat applied to cast parts for corrosion protection in transit. Fusion bonded epoxy, liquid epoxy and other coatings available on request.

#### **PRESSURE**

When properly installed on a pipe that is within the correct outside diameter range, couplings in the Romac Style 501 line can be used at working pressures up to 260 psi. Higher working pressures available for specific applications.

#### **STANDARD**

Romac 501 couplings meet the specifications set forth in the AWWA Standard C219 coupling spec.

#### **SIZES & RANGES**

See catalog.



# **FCA501** FLANGED COUPLING ADAPTER

#### **SUBMITTAL INFORMATION**



#### **STANDARD**

Romac 501 couplings meet the specifications set forth in the AWWA Standard C219 coupling spec.

#### **MATERIALS**

#### **CASTINGS**

The end ring and flanged body are cast from ductile (nodular) iron, meeting or exceeding ASTM A 536.

Compatible with ANSI Class 125 and 150 bolt circles.

#### **GASKETS**

Gaskets are made from virgin Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D 2000 MBA 710. Other compounds available for petroleum, chemical, or high temperature service.

#### **BOLTS AND NUTS**

High strength low alloy steel trackhead and T-head bolt National coarse rolled thread and heavy hex nuts. Steel meets AWWA C111 composition specifications. The 10" size uses electro-galvanized mild steel flange bolts and nuts with a hex head, and ductile iron through bolts. The 12" size uses electro-galvanized mild steel flange bolts and nuts with a hex head, and mild steel through bolts (AWWA C111 composition specifications). All above nuts and bolts are corrosion resistant. Stainless steel bolts and nuts available on request.

#### **COATINGS**

Shop coat applied to cast parts for corrosion protection in transit. Fusion bonded epoxy, liquid epoxy and other coatings available on request.

#### **PRESSURE**

When properly installed on a pipe that is within the correct outside diameter range, the FCA 501 couplings can be used at working pressures up to 260 psi.

#### **ANCHOR PINS**

Anchor pins to restrain fitting available as option.

#### **SIZES & RANGES**

See Catalog.

This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.



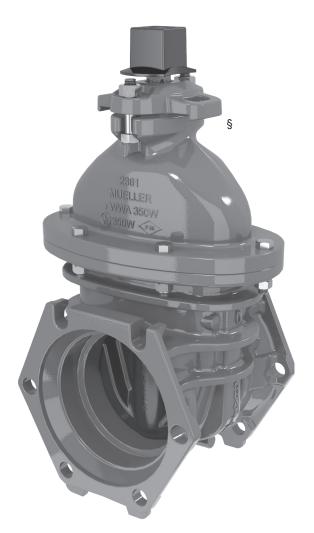
10.1

Shaded area indicates change Rev. 9-18

#### Mueller 2300 Series Resilient Wedge Gate Valves

Mueller Resilient Wedge Gate Valves have features to make them easier to operate, preserve sealing capability, and interior coating integrity for many years of reliable service. In addition to popular end connection options, Mueller brand RW valves can be ordered with Mueller's exclusive AquaGrip® System that incorporates an o-ring sealed compression connection and integral pipe restraint in one "ready to use" easy and guick to install package.

#### Mueller 2"-12" 2300 Series Resilient Wedge Gate Valve Features



6" shown

- 350 PSIG (2400 kPa/24 barg) Maximum Working Pressure − Hydrostatically tested at 700 psig (4800 kPa/48 barg).
- Dual-Purpose Lifting Lugs new dual-purpose lifting lugs provide stability for the valve box. Accommodates strap or hooks; provides valve box alignment, eliminating need for valve box adapter.+
- American Made Quality factory in Chattanooga, TN with ISO 9001 certification. Certified to ANSI/NSF 61 & 372. Manufactured and tested in compliance with ANSI/AWWA Standard C515 or C509. UL 262 Listed and FM 1120/1130 Approved.
- Ductile Iron Construction Valve body, bonnet, disc, stuffing box, & op nut.
- □ T-Head Bolt Retention improved T-head bolt retention feature eliminates need for anti-rotation bolts.
- Triple O-ring Seals two above thrust collar and one below, retain lubricant in this critical area. Top two are replaceable with valve fully open and under pressure. Fourth 0-ring serves as dirt seal.
- ☐ **Two-Anti-Friction Washers With Lubrication** made of polymer, one above and one below the thrust collar, reduce operating torque to open or close valve.
- □ STEM forged manganese bronze bar stock is upset, then machined to form a thrust collar for superior strength in this critical area.
- Guide Cap Bearings made of polymer and snapped over rubber covered wedge guides, provide bearing surfaces that protect both wedge and interior body coating from wear and aid in easy operation even the largest valves installed horizontally. Rollers, tracks and scrapers are not needed.
- Smooth, Oversized Water Way full, round, unobstructed flow way accommodates full size cutters, provides superior flow characteristics and reduces pumping costs.\*\*
- Mueller Pro-Guard® Fusion Bonded Epoxy Coating 10 mils\* thick protects all inside and outside iron surfaces, and complies with AWWA C550.
- □ 316 Stainless Steel Fasteners
- □ **Integral Legs** stands upright for easier handling and storage.
- 10-Year Limited Warranty assured reliability (see separate Mueller Warranty document for terms).
- Designed For Potable Water Applications

#### Mueller 14" - 54" 2361 Series Resilient Wedge Gate Valve Features

In addition to all the features of the smaller 2361 series valves, large size Mueller 2361 series RW valves offer these features:



□ **Stem** – 18"-54" manganese bronze casting with integral thrust collar.

SIZE	AWWA C515 WORKING PRESSURE	UL WORKING PRESSURE	FM WORKING PRESSURE
14"-16"	250	250	250
18"-24"	250	175 ×	250
30"-54"	250	-	-

- × UL Listed without gearing
- Certified to NSF 61 & 372

<sup>\*</sup>Nominal

<sup>\*\*16&</sup>quot; valve requires 1/2" undersized cutter, 54" valve requires 48" cutter

# A2361 RESILIENT WEDGE GATE VALVES, 350psi



#### 1. GENERAL CLASSIFICATION

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

#### 2. SIZE RANGE, WORKING TEMPERATURE, AND WORKING PRESSURE

- 2.1 Sizes: 3" to 12".
- **2.2 Working Temperature**: 33°F minimum to 170°F maximum working temperature.
- **2.3 Working Pressure**: 350psi for AWWA, UL and FM.

#### 3. Type of Valve

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

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# A2361 RESILIENT WEDGE GATE VALVES, 350psi



#### 4. MATERIAL SPECIFICATIONS

- **4.1** Cap screw Stainless Steel Type 316.
- **4.2** Wrench nut Ductile Iron, ASTM A-536.
- 4.3 Handwheel Cast Iron, ASTM A-126, Class B.
- **4.4 Stuffing box** Ductile Iron, ASTM A-536.
- **4.5** Stem O-rings Nitrile, ASTM D2000.
- **4.6** Anti-friction washers Acetal.
- **4.7** Stem Manganese Bronze, CDA Alloy C67600.
- **4.8** Bonnet Ductile Iron, ASTM A-536.
- **4.9** Bonnet seal O-ring, Nitrile, ASTM D2000.
- **4.10 Stuffing box bolts & nuts** Stainless Steel Type 316.
- **4.11 Bonnet bolts & nuts** Stainless Steel Type 316.
- **4.12 Disc nut** Bronze, ASTM B-584 Alloy C89833.
- **4.13 Guide cap bearings** Acetal.
- 4.14 Disc 3" Cast Iron, ASTM A-126, Class B

4"-12" Ductile Iron. ASTM A-536.

- 4.15 Disc encapsulated SBR ASTM D2000.
- 4.16 Body Ductile Iron, ASTM A-536.
- **4.17 Coating** inside and outside of valve fully coated Mueller PRO-GARD® Fusion Bonded Epoxy coating complies with ANSI/AWWA C550 and valve is certified to ANSI/NSF Standard 61 & 372.

#### 5. DESIGN FEATURES

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

Form 12933 r10-17 page 2 of 3

# A2361 RESILIENT WEDGE GATE VALVES, 350psi



pressure, with no leakage.

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

#### 6. OPTIONAL FEATURES

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

#### 7. Test Pressure

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



Water (U.S.) 1.800.423.1323 www.muellercompany.com moreinfo@muellercompany.com Mueller Canada 1.705.719.9965 www.muellercanada.com more-info@muellercanada.com International 1.423.490.9555 www.mueller-international.com international@muellercompany.com

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## 2361 SERIES RESILIENT WEDGE GATE VALVES



#### 1. GENERAL CLASSIFICATION

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

#### 2. SIZE RANGE, WORKING TEMPERATURE & WORKING PRESSURE

- **2.1** Sizes: 14" 54"
- **2.2 Working Temperature:** 33° F minimum to 170° F maximum.
- 2.3 Working Pressure
  - **2.3.1** 14" thru 54" valves 250 psi for AWWA.
  - **2.3.2** 14" thru 16" valves 250 psi for UL/FM.
  - **2.3.3** 18" thru 24" valves 175 psi for UL, 250 psi for FM

#### 3. Type of Valve

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

\*Design and dimensions of the joint are manufactured under license of U.S. Pipe and Foundry Company.

\*\*When using DI O.D. PVC pipe, the gaskets supplied by Mueller Co. must be used with this valve connection.

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

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# 2361 SERIES RESILIENT WEDGE GATE VALVES



#### 4. MATERIAL SPECIFICATIONS

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

Form 11694 r10/17 page 2 of 4

# 2361 SERIES RESILIENT WEDGE GATE VALVES



#### 5. DESIGN FEATURES

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

#### 6. OPTIONAL FEATURES

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

Form 11694 r10/17 page 3 of 4

# 2361 SERIES RESILIENT WEDGE GATE VALVES



#### 7. TEST PRESSURE

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



Water (U.S.) 1.800.423.1323 www.muellercompany.com moreinfo@muellercompany.com Mueller Canada 1.705.719.9965 www.muellercanada.com more-info@muellercanada.com International 1.423.490.9555 www.mueller-international.com international@muellercompany.com

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Form 11694 r10/17 page 4 of 4

# Resilient Wedge Gate Valves





# Series 25 Resilient Wedge Gate Valve

#### Meets or Exceeds the AWWA C509 Standard

#### WIPER RING

To prevent impurities from entering into the stem seals and to protect the o-rings

#### **DUCTILE IRON GLAND FLANGE**

Will not break or crack even if the valve is over-torqued in the closed direction

## STAINLESS STEEL STEM — STANDARD

- LEAD FREE
- Threads rolled in a separate cold pressing process to enhance strength
- Rolled threads ensure smooth thread edges and low operating torques
- Twice the yield strength required by AWWA eliminates bent and broken stems
- Bronze stem available

#### FULLY ENCAPSULATED WEDGE

Ductile iron core fully encapsulated in EPDM rubber with an integral low zinc bronze stem nut for optimum corrosion protection and precision wedge tracking

# American AVK Commitment: Quality Products — Delivered On Time

#### **High Quality:**

- Products are proudly MADE IN AMERICA
- Tested to AWWA, UL, ULC and FM requirements
- Certified to NSF61 by UL
- All products are covered by a ten (10) year warranty

#### **Product Range:**

- All standard end configurations available
- Size range: NRS gate valves 1"-24"
- Size range: OS&Y gate valves 2<sup>1</sup>/<sub>2</sub>" 12"
- Size range: post indicator gate valves 4"-12"
- GENUINE Class 250 psi resilient wedge gate valves available — NRS 4"-12"
- 18"-24" NRS Resilient Wedge Gate Valves utilizing the exclusive AVK PowerSaver® feature for reduced operating torque

#### American AVK Company Locations To Serve You:

Minden, NV Tel: (775) 552-1410 Fax: (775) 783-7502 N. Charleston, SC Tel: (843) 552-5557 Fax: (843) 552-8852 Dallas, TX Tel: (775) 552-1410 Fax: (775) 783-7502

#### TWO O-RING STEM SEALS

To reduce friction and prevent wear and tear — replaceable under full pressure

#### THIRD O-RING STEM SEAL

Protects upper stem seals from impurities entering from the water way

#### STAINLESS STEEL BOLTS — STANDARD

Gland bolts and bonnet bolts supplied in stainless steel for superior corrosion resistance

#### COUNTERSUNK BONNET BOLTS

Each bolt capped with hot melt to isolate the bolts from internal or external corrosive elements

#### O-RING BONNET GASKET

Reuseable heavy-duty gasket wraps each bolt to prevent corrosion

#### COATING TO AWWA C550

Electrostically applied fusion bonded epoxy coating inside and outside for excellent corrosion resistance

#### 100% TESTING

All valves tested to 250 PSI/500 PSI



- Push-on or MJ connection
  Sizes: 6"x6" 8"x6" 12"x6"
- Time saving installation and competitive pricing
- Designed for lateral hydrant installations off main lines
- Main line laying length to AWWA C-110
- Gate valves to AWWA C-509
- Epoxy coated inside and out to AWWA C-550





1004278

# STAINLESS STEEL TAPPING SLEEVE

#### SUBMITTAL INFORMATION





The Romac Style SST is recommended for tapping Plastic, Cast Iron, Ductile Iron, Steel, Asbestos Cement and other pipe materials.

#### **STANDARD**

The Romac Style SST style tapping sleeves meet all requirements set forth in the MSS SP-124 and AWWA C223.

#### **MATERIALS**

#### **FLANGE**

Ductile (nodular) iron meets or exceeds ASTM A536, Grade 65-45-12. 304 Stainless Steel optional. ANSI class 125 and 150 drillings and recessed to accept tapping valves.

#### **STAINLESS STEEL**

Meets or exceeds ASTM A 240 type 304 UNS designated S30400.

#### **OUTLET**

304L Stainless Steel, heavy gauge. Fused to shell by GMAW weld on the outside and GTAW weld on the inside.

#### **SHELL**

Stainless Steel, heavy gauge. Top half is 304L. Back half is 304.

#### **SIDEBARS & LUGS**

304 Stainless Steel, heavy gauge. Sidebars GTAW welded to form permanent fusion with shell. Lugs GMAW welded to Sidebars.

#### **TEST PORT & TEST PLUG**

304 Stainless Steel. Test port is ¾ inch FNPT. Test Plug is 34" MNPT Hex Head Plug. Plug threads are coated to prevent galling.

#### **BOLTS**

304 Stainless Steel. 4.60 to 6.60 inch sleeves use ½" UNC rolled thread, 6" – 12" sleeves use 5/8" UNCE rolled thread. Bolts are GMAW welded to Sidebars.

#### **NUTS**

304 Stainless Steel, heavy hex. 4 inch nominal size sleeves use ½" UNC threads, 6 inch nominal size and larger sleeves use 5/8" UNC threads. Nuts coated to prevent galling.

#### **WASHERS**

304 Stainless Steel and Plastic Flat Washers. 4 inch nominal size sleeves use 1/2", 6 inch nominal and larger use 5/8" washers. Plastic washer prevents galling between nut or stainless steel Washer and Lifter Bar on all sizes.

#### **ARMORS**

304 Stainless Steel, heavy gauge.

#### **LIFTER BARS**

304 Stainless Steel. Lip curved to hold position while tightening. Heavy gauge serves as bearing surface for nuts.

#### **GASKETS**

Virgin Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D 2000. Specially designed grid pattern and tapered ends to assure seal around full circumference of pipe. Reinforced ring at outlet provides hydrodynamic seal. Other compounds available for petroleum, chemical or high temperature service. Romac can provide a NSF certified gasket on request.

GMAW and GTAW weld processes. 308L Stainless Steel filler wire used as appropriate. Flange weld is GMAW type proprietary process. All welds passivated for enhanced corrosion resistance.

#### **PRESSURE**

When properly installed, the Romac Style SST **PIPE SIZE WORKING PRESSURE TEST PRESSURE** Tapping Sleeve can work at the pressure 4"-8" 250 psi 312 psi ratings shown here. 10" - 24" 200 psi 300 psi

#### SIZES & RANGES

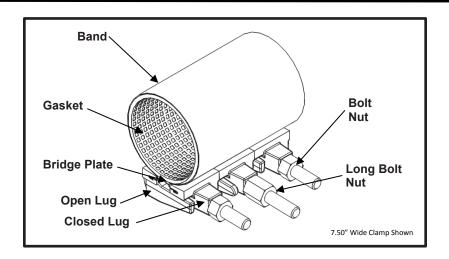
SEE CATALOG.

This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.



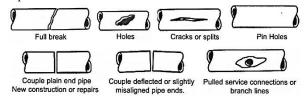


# SPECIFICATION FULL CIRCLE® REPAIR CLAMP MODEL 226

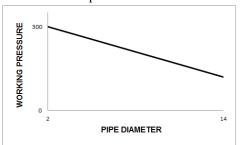


#### **APPLICATIONS**

- Typical Uses
  - Repair leaks due to complete breaks, splits, or holes
  - Joining pipes of the same diameter
  - Examples:



- Standard Pipe Sizes
  - 2" to 14" nominal
- Standard Widths
  - 7.5", 10.0", 12.5", 15.0", 20.0", 25.0", 30.0"
- Type of Pipe
  - Carbon Steel, Stainless Steel, Ductile Iron, PVC, HDPE DR17 or thicker (with use of spring washers), Asbestos Cement, Copper, Aluminum
- Working Pressure
  - Up to 300 psi depending on type of pipe, type of repair, pipe diameter, service conditions and installation workmanship





# SPECIFICATION FULL CIRCLE® REPAIR CLAMP MODEL 226

#### **MATERIALS**

#### Band

- Type 304 Stainless Steel per ASTM A240
- Band Thickness: 24 gauge thick for clamps 4.50" diameter and smaller 20 gauge thick for clamps 4.80" diameter and larger
- Hemmed ends for lug removal in tight applications

#### Lugs

- Cast using Ductile Iron 80-55-06 per ASTM A536
- Flexi-Coat® fusion bonded epoxy finish
- Slot cast in lug to capture band hem
- Designed for drop in replaceable bolts
- One open loop lug and one closed loop lug. The bolts do not have to be removed to install clamp, preventing lost hardware
- Long interlocking fingers allow for up to 0.40 inches of range in clamp
- Interchangeable lugs allow combining smaller diameter clamps to create larger diameter clamps
- Mutually supporting sliding fingers assures proper bolt alignment and permits maximum clamping without bending bolts

#### Gasket

- Nitrile (Buna-N) per ASTM D2000
- Gasket Thickness: 0.192" thickness for clamps 4.50" diameter and smaller 0.218" thickness for clamps 4.80" diameter and larger
- Certified to NSF/ANSI 61-G & 372
- Compounded to resist water, oil, natural gas, acids, alkalies, most (aliphatic) hydrocarbon fluids, and many other chemicals
- Temperature range: -20°F to +180°F
- Full 360° gridded face gasket provides maximum pipe support, reinforcement, and sealing pressure
- Tapered ends allow for full circumferential sealing

#### Bridge Plate

- Type 304 Stainless Steel quarter-hard per ASTM A240
- Molded and recessed into gasket
- Preformed for uniform distribution of gasket pressure over the entire pipe circumference

#### Bolts

- HSLA Carbon Steel per AWWA C111/A21.11
- 5/8"-11UNC x 6.00" long, Track Head Oval Neck
- Fe/Zn coated per ASTM F1941-10
- Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- Drop in replaceable bolts

#### Long Bolts

- HSLA Carbon Steel per AWWA C111/A21.11
- 5/8"-11UNC x 6.88" long, Track Head Oval Neck
- Fe/Zn coated per ASTM F1941-10
- Rolled threads for improved physical characteristics, greater thread accuracy, and smooth surface finish
- Used on clamps 4.50" diameter and smaller to facilitate the initial clamp installation
- Drop in replaceable bolts

#### Nuts

- HSLA Carbon Steel per AWWA C111/A21.11
- 5/8"-11UNC, Heavy Hex Semi-Finished
- Fe/Zn coated per ASTM F1941-10



# SPECIFICATION FULL CIRCLE® REPAIR CLAMP MODEL 226

- Long Nuts
  - HSLA Carbon Steel per AWWA C111/A21.11
  - 5/8"-11UNC x 1.00" long, Heavy Hex Semi-Finished
  - Fe/Zn coated per ASTM F1941-10
  - Used to provide hand tightening during initial clamp installation

#### **LISTINGS**

- Certified to NSF/ANSI 61-G & 372
- Meets applicable AWWA C230 standards

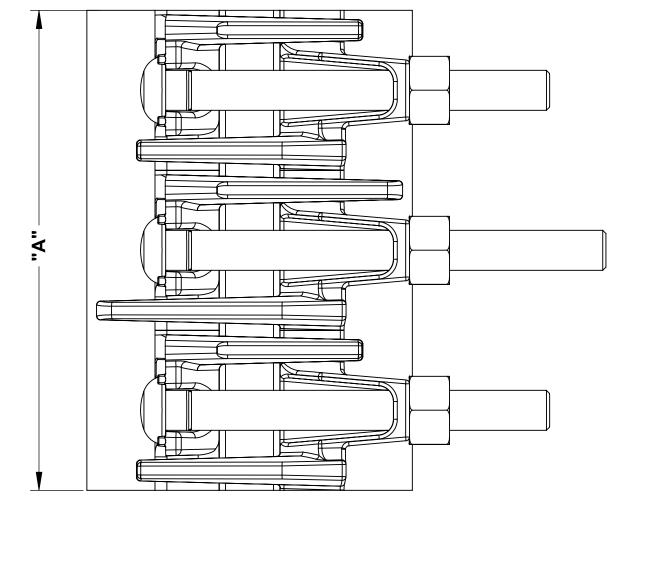
#### **OPTIONS**

- Type 316 Stainless Steel band
- Type 304 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Type 316 Stainless Steel hardware with fluoropolymer coated nuts to prevent galling
- Alternative gasket material (e.g. Viton, EPDM, etc.)
- Spring washers for use of clamp on HDPE pipe
- Offset gaskets to allow for repairing longer cracks using multiple clamps
- Conductivity feature

#### **NOTES**

- This product does not restrain the pipe from pulling out of the fitting
- Spring washers are required when this product is used on DR17 or thicker HDPE pipe (Not recommended for use on HDPE pipe DR 17 or thinner)
- Pipe stiffeners are required when this product is used to join HDPE and thin wall PVC pipe
- Full Circle<sup>®</sup> is a registered trademark of Smith-Blair Inc.
- These product specifications were correct at the time of publication and are subject to change without notice
- See the Smith-Blair<sup>®</sup> web site for part numbers and ordering information
- See the Smith-Blair<sup>®</sup> web site for warranty information
- See the Smith-Blair<sup>®</sup> web site for corrosion warnings

30 Globe Ave, Texarkana, AR 71854 Ph: 870-773-5127 • Fax: 870-773-5212 Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792



# CERTIFIED TO NSF/ANSI 61-G & 372

4.50" DIAMETER AND SMALLER
2. SEE SMITH-BLAIR CATALOG FOR AVAILABLE PIPE DIAMETER
AND WIDTH COMBINATIONS AS SOME COMBINATIONS ARE

NOT AVAILABLE 7.50" WIDE CLAMP SHOWN OTHER SIZES SIMILAR

1. LONG OVAL NECK BOLTS ONLY PROVIDED ON CLAMPS

NOTES:

2.30

SOCKET SIZE

LONG NUT QUANTITY

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APP'D	CK'D	DRN	CA REP L 22	
NOTES: REMOVE BURRS	DO NOT SCALE DWG.	SCALE: N/A	SPECIFICATION FULL CIRCLE® REPAIR CLAMP MODEL 226	SMITH-RI AIR Inc
TOLERANCES U.N.O.	FRACTIONS= ANGLES=±1°	MACH. FIN= ALL DIMENSIONS ARE IN INCHES.	TITLE FU	HLIM'S
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#### ADS POTABLE WATER SERVICE TUBING (CTS) PIPE SPECIFICATIONS

#### Scope

This specification describes ADS Potable Water Service Tubing (CTS) pipe SDR 9 for use in potable water service applications.

#### **Pipe Requirements**

ADS potable water service tubing shall meet the requirements of ASTM D2737, AWWA C901 and NSF Standards 14 and 61. Pipe dimensions shall meet Copper Tubing Size (CTS) standards.

#### **Material Properties**

Tubing material shall be high-density polyethylene conforming to the minimum requirements of cell classification 445574E as defined and described in ASTM D3350. The resin shall have a material designation code of PE4710 by the Plastic Pipe Institute.

#### **Disinfection/Maintenance**

The active chlorine content of disinfecting solutions shall not exceed 12%. All disinfecting solution must be flushed from all lines within the system. Industry accepted procedures, like ANSI/AWWA C651 *Disinfecting Water Mains*, should be followed for both new and repaired potable water lines.

#### Installation

Installation is similar to other flexible tubing/pipe products. Methods including direct bury, plowing or pulling are applicable per local, state or federal guidelines for the application.

#### **Tubing Properties**

		3/4"	1"	1 1/4"	1 1/2"	2"
	Outside Diameter.	0.875 ±0.004	1.125 ±0.005	1.375 ±0.005	1.625 ±0.006	2.125 ±0.006
	in (mm)	(22.2 ±0.10)	(28.6 ±0.13)	(34.9 ±0.13)	(41.3 ±0.15)	(54.0 ±0.51)
	Wall	0.097 +0.010	0.125 +0.012	0.153 +0.015	0.181 +0.018	0.236 +0.024
R 9	Thickness, in (mm)	(2.5 +0.25)	(3.2 +0.30)	(3.9 +0.38)	(4.6 +0.46)	(6.0 +0.61)
SDR	Pressure Rating @ 73°F,	250	250	250	250	250
	psi (kPa)	(1724)	(1724)	(1724)	(1724)	(1724)
	Weight,	46 ±2	78 ±3	125 ±4	162 ±4	275 ±5
	gm/ft (gm/m)	(151 ±7)	(256 ±10)	(410 ±13)	(531 ±13)	(902 ±16)

#### 4"-12" SPECIFICATION DATA

Diamond (C900) PVC Pipe (4" through 12") is made of 12454 compound per ASTM D1784, in accordance with the dimensional chemical, and physical requirements of AWWA C900.

Diamond (C900) PVC Pipe bears the mark of NSF, International (NSF) and the listing of Underwriters Laboratory, Inc. (UL). Some factory locations produce C900 bearing the mark of the Canadian Standards Association (CSA) and NSF14.

Diamond (C900) PVC Pipe utilizes a gasket, per ASTM F477, to seal the integral bell socket to the spigot of the next joint (which conforms to the requirements of ASTM D3139.) Each male end is beveled to facilitate joint assembly, and the spigot is referenced marked to ensure proper insertion depth. Diamond furnished lubricant is to be used in the joining process. Specialty gaskets may be available upon request.

#### PHYSICAL PROPERTIES OF PVC 12454:

Property	ASTM Test	Minimum
Specific Gravity	D792	1.40
Tensile Strength, psi	D638	7,000
Tensile Modulus, psi	D638	400,000
IZOD Impact Strength	D256	.65ft., lb./in.

SHORT FORM Specification for Diamond C900 PVC Water Pipe

Diamond C900 PVC Water Pipe shall be made of compounds conforming to ASTM D1784 with a cell classification of 12454. Diamond C900 shall meet all the dimensional, chemical, and physical requirements as outlined in AWWA C900 and will be supplied in 20 and 22 foot laying lengths. Joints shall meet the requirements of ASTM D3139 and shall be formed using Rieber Technology. Gaskets shall meet the requirements of ASTM F477.

Potable water pipe shall be manufactured from National Sanitation Foundation (NSF) approved compounds.

# C900<sup>TM</sup> AWWA C900 SPECIFICATION DATA. SUPPLIED IN 20 AND 22 FOOT LAYING LENGTHS.

Nominal Pipe Size in. (mm)	A Outside Dia. Inches	B Bell Dia. Inches	C Approximate Bell Depth Inches	D Assembly Mark 1 Inches *	E Assembly Mark 2 Inches *	t C900 DR-14 305 psi Min Wall Inches	t C900 DR-18 235 psi Min Wall Inches	t C900 DR-25 165 psi Min Wall Inches
4" (100)	4.800	6-1/2"	6	4-1/4"	5-1/4"	0.343	0.267	0.192
6" (150)	6.900	9-1/4"	6.5	4-5/8"	5-5/8"	0.493	0.383	0.276
8" (200)	9.050	11-3/4"	7	5-1/8"	6-1/8"	0.646	0.503	0.362
10" (250)	11.100	14-1/4"	7.5	5-3/4"	6-3/4"	0.793	0.617	0.444
12" (300)	13.200	16-3/4"	8	6-1/8"	7-1/8"	0.943	0.733	0.528

Prices are subject to a firm policy of "Price in effect at time of shipment on regular purchases"

<sup>\*</sup>Tolerance of +/- 1/4" allowed













#### EXTREME TESTING CONDITIONS

C900 PVC pressure pipe, available in pressure ratings for a wide range of water transfer applications (Available in sizes from 4" through 12")

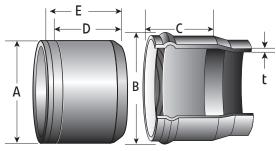








#### RIEBER JOINT ILLUSTRATION



<sup>&</sup>quot;Possession of this page does not constitute an offer of sale"

# C900 BLUE



TECHNICAL DATA SUBMITTAL (4" - 12")

#### **CONFORMANCE**

These specifications designate the requirements for manufacturing and installing Vinyltech AWWA C900 PVC Pressure Pipe for potable water (4"-12").

ANSI/AWWA C900 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4" Through 60" (100mm Through 1,500mm)

**AWWA C605** - Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water

**ASTM D1784** - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

**ASTM D3139** - Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals

**ASTM F477** - Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe

NSF/ANSI 61, Annex G - Drinking Water Systems Components-Health Effects

**FM 1612** - Approval Standard for Polyvinyl Chloride (PVC) Pipe and Fittings for Underground Fire Protection

**UL 1285** - Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service

#### **PIPE COMPOUND**

The pipe shall be extruded from compounds meeting (PVC 1120) the requirements of Cell Classification 12454, as defined in ASTM D1784, Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds. The PVC shall also be listed by the National Sanitation Foundation (NSF) for use in potable water.

#### **PIPE**

Vinyltech pipe shall be manufactured in accordance with AWWA C900.

#### **GASKET JOINT**

The gasket shall be reinforced with a steel band and meet the requirements of ASTM F477. Vinyltech pipe shall have an integral bell end with a locked-in factory installed gasket and shall meet the joint requirements of ASTM D3139.

#### **MARKING**

The pipe shall be marked in accordance with AWWA C900.

#### **QUALITY CONTROL**

Each length of the pipe including the bell shall be hydrostatically tested in accordance with AWWA C900. The pipe shall meet all additional test requirements as described in AWWA C900. Our full-time quality assurance staff continually administers a rigid program of tests to maintain the production of the best pipe products available.

#### **INSTALLATION**

Recommended installation procedures of Vinyltech Corporation are outlined in AWWA C605, Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water. The AWWA Manual M23, PVC Pipe Design and Installation, is also an invaluable resource guide for design and installation.

#### **TAPPING**

The consistent success of tapping PVC pressure pipe is contingent upon the use of proper procedures and equipment. Vinyltech recommends strict compliance with the requirements as specified in AWWA C605.

#### **ASSEMBLING THE PIPE**

Assembly of Vinyltech PVC water pipe is easily accomplished. A depth of entry mark is on each spigot end to serve as a visual check for rapid, accurate joint inspection. **Do not over insert.** 

- Remove any mud, sand, or other foreign matter from the belled and spigot ends of the pipe. Carefully clean the gasket area.
- 2) With a clean applicator (a brush or hand) lubricate the entire surface of the pipe from the spigot end to the depth of entry mark and the contact surface of the gasket with **Vinyltech Brand Lubricant**.
- 3) Brace the bell to avoid disturbing the already installed joints. Align the pipe, insert the spigot into the bell and push
- 4) Do not insert past the entry mark line.





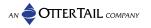






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# C900 BLUE TECHNICAL DATA SUBMITTAL (4" - 12")



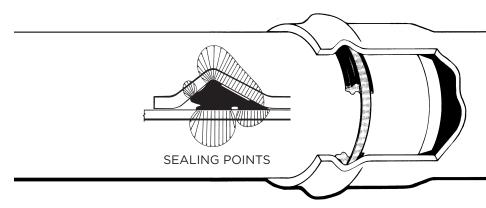
Effective 11/17

#### C900 DR 18 Pressure Class 235

NOMINAL SIZE		OUTER	MINIMUM	FEET PER	LIFTS PER	APPROX WEIGHT
(IN)	(mm)	DIAMETER (IN)	WALL (IN)	LIFT	TRUCK	(LB/100')
4	100	4.800	0.267	1020	16	251.6
6	150	6.900	0.383	440	16	521.2
8	200	9.050	0.503	200	20	903.0
10	250	11.100	0.617	240	12	1364.4
12	300	13.200	0.733	60-80	28	1935.8

#### C900 DR 14 Pressure Class 305

NOMINAL SIZE		OUTER	MINIMUM	FEET PER	LIFTS PER	APPROX WEIGHT
(IN)	(mm)	DIAMETER (IN)	WALL (IN)	LIFT	TRUCK	(LB/100')
4	100	4.800	0.343	1020	16	317.5
6	150	6.900	0.493	440	16	658.7
8	200	9.050	0.646	200	20	1139.7
10	250	11.100	0.793	240	12	1722.3
12	300	13.200	0.943	60-80	28	2445.5



# The Rieber Sealing System

The Rieber system provides a proven pipe joint with an excellent track record in the field. It is the fastest growing system in the world because of its many advantages.

- · Factory installed, locked-in gasket
- The pipe bell forms over the gasket, making a perfect fit
- · Avoids the possibility of installing the wrong gasket
- Reduces installation problems
- The locked-in gasket eliminates gasket roll-out during joining
- The gasket is molded vs. extruded and spliced
- Works equally well under pressure or vacuum
- Three sealing points achieved vs. two
- LEAK-PROOF JOINTS
- "THE WORLDS BEST JOINT"





# C900 BLUE



TECHNICAL DATA SUBMITTAL (14" - 24")

#### **CONFORMANCE**

These specifications designate the requirements for manufacturing and installing Vinyltech AWWA C900 PVC Pressure Pipe for potable water (14"-24").

ANSI/AWWA C900 - Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4" Through 60" (100mm Through 1,500mm)

AWWA C605 - Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water ASTM D1784 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

**ASTM D1784** - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds

**ASTM D3139** - Standard Specification for Joints for Plastic Pressure Pipes Using Flexible

Elastomeric Seals

**ASTM F477** - Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe

NSF/ANSI 61, Annex G "Drinking Water Systems Components-Health Effects"

#### PIPE COMPOUND

The pipe shall be extruded from compounds meeting (PVC1120) the requirements of Cell Classification 12454, as defined in ASTM D1784, Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds. The PVC shall also be listed by the National Sanitation Foundation (NSF) for use in potable water.

#### **PIPE**

Vinyltech pipe shall be manufactured in accordance with AWWA C900.

#### **GASKET JOINT**

The gasket shall be reinforced with a steel band and meet the requirements of ASTM F477. Vinyltech pipe shall have an integral bell end with a locked-in factory installed gasket and shall meet the joint requirements of ASTM D3139.

#### **MARKING**

The pipe shall be marked in accordance with AWWA C900.

#### **QUALITY CONTROL**

Each length of the pipe including the bell shall be hydrostatically tested in accordance with AWWA C900. The pipe shall meet all additional test requirements as described in AWWA C900. Our full-time quality assurance staff continually administers a rigid program of tests to maintain the production of the best quality pipe products available.

#### **INSTALLATION**

Recommended installation procedures of Vinyltech Corporation are outlined in AWWA C605, Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water. The AWWA Manual M23, PVC Pipe-Design and Installation, is also an invaluable resource guide for design and installation.

#### **TAPPING**

The consistent success of tapping PVC pressure pipe is contingent upon the use of proper procedures and equipment. Vinyltech recommends strict compliance with the requirements as specified in AWWA C605.

#### **ASSEMBLING THE PIPE**

Assembly of Vinyltech PVC water pipe is easily accomplished. A depth of entry mark is on each spigot end to serve as a visual check for rapid, accurate joint inspection. **Do not over insert.** 

- Remove any mud, sand, or other foreign matter from the belled and spigot ends of the pipe. Carefully clean the gasket area.
- 2) With a clean applicator (a brush or hand) lubricate the entire surface of the pipe from the spigot end to the depth of entry mark and the contact surface of the gasket with Vinvltech Brand Lubricant.
- Brace the bell to avoid disturbing the already installed joints. Align the pipe, insert the spigot into the bell and push.
- 4) Do not insert past the entry mark line.

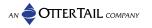






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# C900 BLUE TECHNICAL DATA SUBMITTAL (14" - 24")



Effective 11/17

#### C900 DR 25 Pressure Class 165

NOMINAL SIZE		OUTER	MINIMUM	FEET PER	LIFTS PER	APPROXIMATE WEIGHT
(IN)	(mm)	DIAMETER (IN)	DIAMETER (IN) WALL (IN)	LIFT	TRUCK	(LB/100')
14	350	15.3	0.612	120	12	1935
16	400	17.4	0.696	40/60	20	2575
18	450	19.5	0.78	40/60	20	3165
*20	500	21.6	0.864	80	8	3900
*24	600	25.8	1.032	60	6	5600

#### C900 DR 21 Pressure Class 200

NOMIN	NOMINAL SIZE		MINIMUM	FEET PER	LIFTS PER	APPROXIMATE WEIGHT
(IN)	(mm)	DIAMETER (IN)	WALL (IN)	LIFT	TRUCK	(LB/100')
14	350	15.3	0.729	120	12	2210
16	400	17.4	0.829	40/60	20	2883
18	450	19.5	0.929	40/60	20	3635
*20	500	21.6	1.029	80	8	4468
*24	600	25.8	1.229	60	6	6420

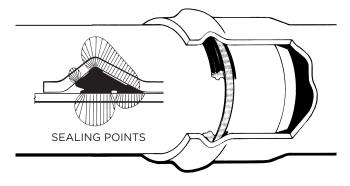
#### C900 DR 18 Pressure Class 235

NOMIN	NOMINAL SIZE		OUTER MINIMUM		LIFTS PER	APPROXIMATE WEIGHT
(IN)	(mm)	DIAMETER (IN)	WALL (IN)	LIFT	TRUCK	(LB/100')
14	350	15.3	0.85	120	12	2650
16	400	17.4	0.967	40/60	20	3475
18	450	19.5	1.083	40/60	20	4340
*20	500	21.6	1.200	80	8	5350
*24	600	25.8	1.433	60	6	7650

#### C900 DR 14 Pressure Class 305

NOMIN	NOMINAL SIZE		OUTER MINIMUM		LIFTS PER	APPROXIMATE WEIGHT
(IN)	(mm)	DIAMETER (IN)	WALL (IN)	LIFT	TRUCK	(LB/100')
14	350	15.3	1.093	120	12	3300
16	400	17.4	1.243	40/60	20	4450
*18	450	19.5	1.393	40/60	20	5341
*20	500	21.6	1.543	80	8	6566

\*Northern Pipe Products



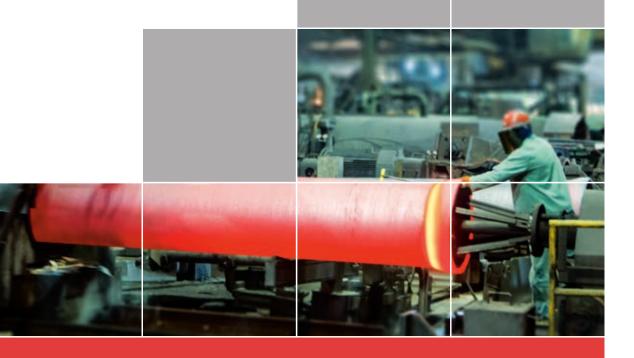
# The Rieber Sealing System

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- Factory installed, locked-in gasket
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- "THE WORLDS BEST JOINT"







# **TYTON JOINT® Pipe**

DUCTILE IRON





FABRICATION

RESTRAINED JOINTS

FITTINGS

GASKETS

COATINGS & LININGS



#### ANSI/AWWA STANDARDS

## ANSI/AWWA C151/A21.5, Ductile Iron Pipe, Centrifugally Cast for Water.

Ductile Iron Tyton Joint Pipe is centrifugally cast in metal molds in accordance with ANSI/ AWWA C151/A21.5.

The asphaltic outside coating is in accordance with ANSI/AWWA C151/A21.51.

As specified in ANSI/AWWA C151/A21.51, pipe weights have been calculated using standard barrel weights and weights of bells being produced.

#### ANSI/AWWA C104/A21.4, Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water.

The cement-mortar lining and inside coating are in accordance with ANSI/AWWA C104/ A21.4. Special linings and/or coatings can be furnished for specific conditions.

#### ANSI/AWWA C111/A21.11, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.

Tyton Gaskets are furnished in accordance with ANSI/AWWA C111/A21.11.

# ANSI/AWWA C105/A21.5, Polyethylene Encasement for Ductile Iron Pipe Systems.

If specifiers and users believe that corrosive soils will be encountered where our products are to be installed, please refer to ANSI/AWWA C105/A21.5, for proper external protection procedures.

ASTM A746-03 "Standard specification for Ductile Iron Gravity Sewer Pipe." ASTM A716-08 "Standard Specification for Ductile Iron Culvert Pipe." ASTM A536 "Standard Specification for Ductile Iron Castings." Tyton Joint is U.S. Pipe's trademark for pipe with a push-on type connection. Simplicity, sturdiness and watertightness are built into the system by design. Convincing proof of its worldwide acceptance is shown by the fact that more than 95% of the pipe now sold by U.S. Pipe is Tyton Joint.

Tyton Joint Pipe is available in sizes 3" through 64". Sizes 3" through 42" are available in nominal 18-foot laying lengths. 4" through 30" sizes, along with sizes 48" through 64", are available in nominal 20-foot laying lengths.

Tyton Joint Pipe in sizes 4" through 36" are UL listed, and sizes 4" through 16" are FM Approved.

When Tyton Joint Pipe is used for bridge crossings or other above-ground installations, each length of pipe must be supported in a manner to restrict both vertical and horizontal movement.

A Tyton Gasket is the only accessory required when installing Tyton Joint Pipe. It is a circular rubber gasket that has a modified bulb shape in cross section. Gaskets are furnished in accordance with ANSI/AWWA C111/ A21.1. Composition and dimensions of the gasket have been carefully engineered to ensure a watertight and lasting seal. The standard Tyton Gasket is manufactured of SBR — styrene butadiene rubber. Gaskets of special elastomers may be ordered for special applications. The gasket contour and bell socket contour ensure that the gasket will remain seated during proper assembly of the pipe. When joint restraint is required for push-on joint pipe, two options are available from U.S. Pipe. For joint restraint of 4" through 24", Field Lok 350 Gaskets may be used. Field Lok 350 Gaskets are rated for 350 psi in sizes 4" through 24". In addition, for 4" through 36" sizes, TR Flex Pipe and Fittings may be used, and for 30" through 64" sizes, HP Lok Pipe and Fittings may be used. TR Flex Pipe and Fittings are rated for working pressures for 350 psi in 4" through 24" sizes, 250 psi in sizes 30" through 36". For HP Lok Pipe and Fittings, the working pressure is 350 psi for 30" through 64". For higher pressure applications contact your U.S. Pipe representative. Complete details on Field Lok 350 Gaskets, TR Flex Pipe and Fittings, and HP Lok Pipe and Fittings can be found on our website, www.uspipe.com.

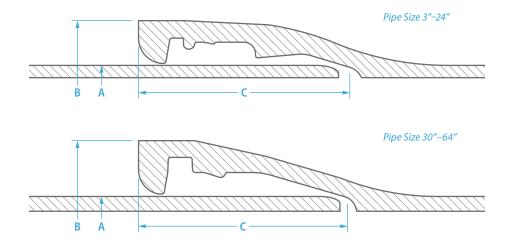
**NOTE:** U.S. Pipe qualifies for Federal Procurement under Public Law No. 94-580, Section 6002, known as the Resource Recovery Act of 1976, since, due to modern technology, recycled iron and steel scrap are used to a large degree in our Ductile Iron Pipe production.

The plain end of the pipe is furnished beveled or with a quarter ellipse on the edge to allow assembly. More than 40 years of successful experience have proved its sealing capabilities. Hydrostatic tests have shown that the system will withstand pressures far in excess of rated pressures.

**NOTE:** Each of the following is a nationally recognized standards organization: American National Standards Institute (ANSI), American Water Works Association (AWWA), American Society for Testing and Materials (ASTM), Underwriters Laboratories (UL), National Fire Protection Association (NFPA), National Sanitation Foundation (NSF), Factory Mutual (FM)

	INCH			
SIZE	PIPE DIAMETER			
	Minimum	Maximum		
3	3.90	4.02		
4	4.74	4.86		
6	6.84	6.96		
8	8.99	9.11		
10	11.04	11.16		
12	13.14	13.26		
14	15.22	15.35		
16	17.32	17.45		
18	19.42	19.55		
20	21.52	21.65		
24	25.72	25.85		
30	31.94	32.08		
36	38.24	38.38		
42	44.44	44.58		
48	50.74	50.88		
54	57.46	57.60		
60	61.51	61.65		

**NOTE:** For accuracy, a diameter tape graduated in 100th's must be used. Above table based on ANSI/AWWA C151/A21.51 guidelines for push-on joints.



	INC	HES	
SIZE	PIPE OUTER DIAMETER	BELL OUTER DIAMETER	SOCKET DEPTH
	A	В	С
3	3.96	5.56	3.00
4	4.80	6.52	3.15
6	6.90	8.66	3.38
8	9.05	10.82	3.69
10	11.10	12.91	3.75
12	13.20	15.05	3.75
14	15.30	17.67	5.00
16	17.40	19.79	5.00
18	19.50	21.91	5.00
20	21.60	24.03	5.50
24	25.80	28.21	5.95
30	32.00	35.40	6.55
36	38.30	41.84	7.00
42	44.50	49.36	7.90
48	50.80	55.94	8.60
54	57.56	63.38	9.40
60	61.61	67.38	10.10
64	65.67	71.56	10.65

**NOTE:** Actual bell configuration may vary from illustration shown. Subject to manufacturing tolerances.

			II	NCHES			
SIZE	OUTSIDE DIAMETER		NO	MINAL THICKNE	ESS		CASTING TOLERANCES
				Pressure Class <sup>a</sup>			
		150	200	250	300	350	
3	3.96	_	_	_	_	_	c
4	4.80	_	_	_	_	0.25 <sup>b</sup>	0.05
6	6.90		_	_		0.25 <sup>b</sup>	0.05
8	9.05		_	_		0.25 <sup>b</sup>	0.05
10	11.10		_		_	0.26	0.06
12	13.20		_		_	0.28	0.06
14	15.30		_	0.28	0.30	0.31	0.07
16	17.40		_	0.30	0.32	0.34	0.07
18	19.50		_	0.31	0.34	0.36	0.07
20	21.60	_	_	0.33	0.36	0.38	0.07
24	25.80	_	0.33	0.37	0.40	0.43	0.07
30	32.00	0.34	0.38	0.42	0.45	0.49	0.07
36	38.30	0.38	0.42	0.47	0.51	0.56	0.07
42	44.50	0.41	0.47	0.52	0.57	0.63	0.07
48	50.80	0.46	0.52	0.58	0.64	0.70	0.08
54	57.56	0.51	0.58	0.65	0.72	0.79	0.09
60	61.61	0.54	0.61	0.68	0.76	0.83	0.09
64	65.67	0.56	0.64	0.72	0.80	0.87	0.09

**NOTE:** Per ANSI/AWWA C150/A21.50 the thickness in the above table includes the 0.08" service allowance and the casting tolerance by size ranges. Dimensions and weights of Special Classes (Thickness Classes) are found on pages 13, 14, 15 and 16.

<sup>&</sup>lt;sup>a</sup>Pressure Classes are defined as the rated water pressure of the pipe in psi. The thickness shown is adequate for the rated water working pressure plus a surge allowance of 100 psi. Calculations are based on a minimum yield strength of 42,000 and a 2.0 safety factor times the sum of the working pressure and 100 psi surge allowance.

<sup>&</sup>lt;sup>b</sup>Presently these are the lowest nominal thickness available in these sizes.

<sup>&</sup>lt;sup>c</sup>See thickness class for 3".

INCHES	PSI		INCHES		POUNDS	
SIZE	PRESSURE CLASS	THICKNESS	OUTSIDE DIAMETER <sup>a</sup>	BARREL WEIGHT PER FOOT	WEIGHT PER LA	AYING LENGTH <sup>b</sup>
					18-F00T	20-FOOT
3	_	_	_	_	_	_
4	350	0.25	4.80	10.9	205	230
6	350	0.25	6.90	16.0	305	335
8	350	0.25	9.05	21.1	400	445
10	350	0.26	11.10	27.1	515	570
12	350	0.28	13.20	34.8	660	730
14	250	0.28	15.30	40.4	780	865
14	300	0.30	15.30	43.3	920	1010
14	350	0.31	15.30	44.7	860	945
16	250	0.30	17.40	49.3	950	1050
16	300	0.32	17.40	52.5	1010	1115
16	350	0.34	17.40	55.8	1065	1175
18	250	0.31	19.50	57.2	1095	1210
18	300	0.34	19.50	62.6	1195	1320
18	350	0.36	19.50	66.2	1260	1390
20	250	0.33	21.60	67.5	1285	1420
20	300	0.36	21.60	73.5	1395	1540
20	350	0.38	21.60	77.5	1465	1620
24	200	0.33	25.80	80.8	1550	1710
24	250	0.37	25.80	90.5	1725	1905
24	300	0.40	25.80	97.7	1855	2050
24	350	0.43	25.80	104.9	1985	2195
30	150	0.34	32.00	103.5	2005	2210
30	200	0.38	32.00	115.5	2220	2450
30	250	0.42	32.00	127.5	2595	2690
30	300	0.45	32.00	136.5	2810	2870
30	350	0.49	32.00	148.4	2685	3110
36	150	0.38	38.30	138.5	2945	_
36	200	0.42	38.30	152.9	2940	_
36	250	0.47	38.30	170.9	3265	_
36	300	0.51	38.30	185.3	3525	_
36	350	0.56	38.30	203.2	3845	_

Table continued on next page. ▶

**NOTE:** Thicknesses and dimensions of 3" through 64" ductile iron pipe conform to ANSI/AWWA C151/A21.51. Weights may vary from the standard because of differences in bell weights.

 $<sup>^{\</sup>rm a}$  Tolerance of O.D. of spigot end: 3–12 in.,  $\pm 0.06$  in.; 14–24 in.,  $\pm 0.05$  in.,  $\pm 0.08$  in.; 30–48 in.,  $\pm 0.08$  in.,  $\pm 0.06$  in.; 54–64 in.,  $\pm 0.04$  in.,  $\pm 0.10$  in.  $^{\rm b}$  Including bell; calculated weight of pipe rounded off to nearest 5 lbs.  $^{\rm c}$  See thickness class for 3".

INCHES	PSI		INCHES		POUNDS	
SIZE	PRESSURE CLASS	THICKNESS	OUTSIDE DIAMETER <sup>a</sup>	BARREL WEIGHT PER FOOT	WEIGHT PER LA	AYING LENGTH <sup>b</sup>
					18-FOOT	20-FOOT
42	150	0.41	44.50	173.8	3505	_
42	200	0.47	44.50	198.9	3960	_
42	250	0.52	44.50	219.9	4335	_
42	300	0.57	44.50	240.7	4710	_
42	350	0.63	44.50	265.7	5160	_
48	150	0.46	50.80	_	_	4950
48	200	0.52	50.80	_	_	5525
48	250	0.58	50.80	_	_	6095
48	300	0.64	50.80	_	_	6670
48	350	0.70	50.80	_	_	7240
54	150	0.51	57.56	_	_	6430
54	200	0.58	57.56	_	_	7190
54	250	0.65	57.56	_	_	7945
54	300	0.72	57.56	_	_	8700
54	350	0.79	57.56	_	_	9455
60	150	0.54	61.61	_	_	7305
60	200	0.61	61.61	_	_	8120
60	250	0.68	61.61	_	_	8935
60	300	0.76	61.61	_	_	9860
60	350	0.83	61.61	_	_	10665
64	150	0.56	65.67	_	_	8100
64	200	0.64	65.67	_	_	9090
64	250	0.72	65.67	_	_	10080
64	300	0.80	65.67	_	_	11065
64	350	0.87	65.67	_	_	11925

**NOTE:** Thicknesses and dimensions of 3" through 64" ductile iron pipe conform to ANSI/AWWA C151/A21.51. Weights may vary from the standard because of differences in bell weights.

 $<sup>^{\</sup>rm a}$  Tolerance of O.D. of spigot end: 3–12 in.,  $\pm 0.06$  in.; 14–24 in., +0.05 in., -0.08 in.; 30–48 in., +0.08 in., -0.06 in.; 54–64 in., +0.04 in., -0.10 in.

<sup>&</sup>lt;sup>b</sup>Including bell; calculated weight of pipe rounded off to nearest 5 lbs.

INCHES			INCHES		POUNDS	
SIZE	THICKNESS CLASS	THICKNESS	OUTSIDE DIAMETER	BARREL WEIGHT PER FOOT	WEIGHT PER LENGTH	WEIGHT PER LENGTH
					18-FOOT LAYING LENGTH	20-FOOT LAYING LENGTH
3	54	0.34	3.96	11.8	220	_
3	55	0.37	3.96	12.8	240	_
3	56	0.40	3.96	13.7	255	_
4	51	0.26	4.80	11.3	215	235
4	52	0.29	4.80	12.6	235	260
4	53	0.32	4.80	13.8	260	285
4	54	0.35	4.80	15.0	280	310
4	55	0.38	4.80	16.1	300	330
4	56	0.41	4.80	17.3	320	355
6	50	0.25	6.90	16.0	305	335
6	51	0.28	6.90	17.8	335	370
6	52	0.31	6.90	19.6	370	410
6	53	0.34	6.90	21.4	400	445
6	54	0.37	6.90	23.2	435	480
6	55	0.40	6.90	25.0	465	515
6	56	0.43	6.90	26.7	495	550
8	50	0.27	9.05	22.8	430	475
8	51	0.30	9.05	25.2	475	525
8	52	0.33	9.05	27.7	520	575
8	53	0.36	9.05	30.1	560	620
8	54	0.39	9.05	32.5	605	670
8	55	0.42	9.05	34.8	650	720
8	56	0.45	9.05	37.2	690	765
10	50	0.29	11.10	30.1	570	630
10	51	0.32	11.10	33.2	625	690
10	52	0.35	11.10	36.2	680	750
10	53	0.38	11.10	39.2	730	810
10	54	0.41	11.10	42.1	785	870
10	55	0.44	11.10	45.1	840	930
10	56	0.47	11.10	48.0	890	990

Table continued on next page.

**NOTE:** Thicknesses and dimensions of 3" through 64" ductile iron pipe conform to ANSI/AWWA C151/A21.51. Weights may vary from the standard because of differences in bell weights.

 $<sup>^</sup>a$  Tolerance of O.D. of spigot end: 3–12 in.,  $\pm 0.06$  in.; 14–24 in., +0.05 in., -0.08 in.; 30–48 in., +0.08 in., -0.06 in.; 54–64 in., +0.04 in., -0.10 in.

<sup>&</sup>lt;sup>b</sup>Including bell; calculated weight of pipe rounded off to nearest 5 lbs.

INCHES			INCHES		POUNDS	
SIZE	THICKNESS CLASS	THICKNESS	OUTSIDE DIAMETER	BARREL WEIGHT PER FOOT	WEIGHT PER LENGTH	WEIGHT PER LENGTH
					18-FOOT LAYING LENGTH	20-FOOT LAYING LENGTH
12	50	0.31	13.20	38.4	725	800
12	51	0.34	13.20	42.0	790	875
12	52	0.37	13.20	45.6	855	945
12	53	0.40	13.20	49.2	920	1015
12	54	0.43	13.20	52.8	985	1090
12	55	0.46	13.20	56.3	1045	1160
12	56	0.49	13.20	59.9	1110	1230
14	50	0.33	15.30	47.5	910	1005
14	51	0.36	15.30	51.7	985	1090
14	52	0.39	15.30	55.9	1060	1170
14	53	0.42	15.30	60.1	1135	1255
14	54	0.45	15.30	64.2	1210	1340
14	55	0.48	15.30	68.4	1285	1420
14	56	0.51	15.30	72.5	1360	1505
16	50	0.34	17.40	55.8	1065	1175
16	51	0.37	17.40	60.6	1150	1275
16	52	0.40	17.40	65.4	1240	1370
16	53	0.43	17.40	70.1	1325	1465
16	54	0.46	17.40	74.9	1410	1560
16	55	0.49	17.40	79.7	1495	1655
16	56	0.52	17.40	84.4	1580	1750
18	50	0.35	19.50	64.4	1225	1355
18	51	0.38	19.50	69.8	1325	1465
18	52	0.41	19.50	75.2	1420	1570
18	53	0.44	19.50	80.6	1520	1680
18	54	0.47	19.50	86.0	1615	1785
18	55	0.50	19.50	91.3	1710	1895
18	56	0.53	19.50	96.7	1805	2000

Table continued on next page. ▶

**NOTE:** Thicknesses and dimensions of 3" through 64" ductile iron pipe

<sup>a</sup>Tolerance of O.D. of spigot end: 3–12 in.,  $\pm 0.06$  in.; 14–24 in.,  $\pm 0.05$ in., -0.08 in.; 30–48 in., +0.08 in., -0.06 in.; 54–64 in., +0.04 in., -0.10 in. <sup>b</sup>Including bell; calculated weight of pipe rounded off to nearest 5 lbs.

conform to ANSI/AWWA C151/A21.51. Weights may vary from the standard because of differences in bell weights.

INCHES			INCHES		POUNDS	
SIZE	THICKNESS CLASS	THICKNESS	OUTSIDE DIAMETER	BARREL WEIGHT PER FOOT	WEIGHT PER LENGTH	WEIGHT PER LENGTH
					18-FOOT LAYING LENGTH	20-FOOT LAYING LENGTH
20	50	0.36	21.60	73.5	1395	1540
20	51	0.39	21.60	79.5	1505	1660
20	52	0.42	21.60	85.5	1610	1780
20	53	0.45	21.60	91.5	1720	1900
20	54	0.48	21.60	97.5	1825	2020
20	55	0.51	21.60	103.4	1935	2140
20	56	0.54	21.60	109.3	2040	2260
24	50	0.38	25.80	92.9	1765	1955
24	51	0.41	25.80	100.1	1895	2095
24	52	0.44	25.80	107.3	2025	2240
24	53	0.47	25.80	114.4	2155	2385
24	54	0.50	25.80	121.6	2285	2530
24	55	0.53	25.80	128.8	2415	2670
24	56	0.56	25.80	135.9	2540	2815
30	50	0.39	32.00	118.5	2275	2510
30	51	0.43	32.00	130.5	2490	2750
30	52	0.47	32.00	142.5	2705	2990
30	53	0.51	32.00	154.4	2920	3228
30	54	0.55	32.00	166.3	3135	3466
30	55	0.59	32.00	178.2	3350	3704
30	56	0.63	32.00	190.0	3560	3940
36	50	0.43	38.30	156.5	3010	_
36	51	0.48	38.30	174.5	3330	_
36	52	0.53	38.30	192.4	3655	_
36	53	0.58	38.30	210.3	3975	_
36	54	0.63	38.30	228.1	4295	_
36	55	0.68	38.30	245.9	4615	_
36	56	0.73	38.30	263.7	4935	_

Table continued on next page. ▶

**NOTE:** Thicknesses and dimensions of 3" through 64" ductile iron pipe conform to ANSI/AWWA C151/A21.51. Weights may vary from the standard because of differences in bell weights.

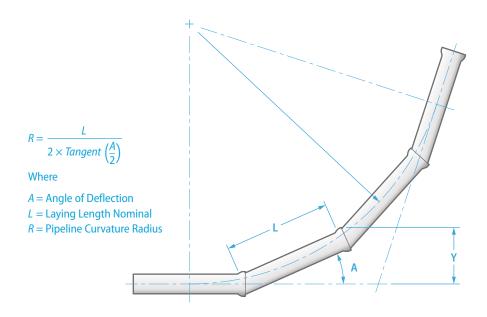
 $^{\rm a}$  Tolerance of O.D. of spigot end: 3–12 in.,  $\pm 0.06$  in.; 14–24 in., +0.05 in., -0.08 in.; 30–48 in., +0.08 in., -0.06 in.; 54–64 in., +0.04 in., -0.10 in.  $^{\rm b}$  Including bell; calculated weight of pipe rounded off to nearest 5 lbs.

INCHES			INCHES		POUNDS	
SIZE	THICKNESS CLASS	THICKNESS	OUTSIDE DIAMETER	BARREL WEIGHT PER FOOT	WEIGHT PER LENGTH	WEIGHT PER LENGTH
					18-FOOT LAYING LENGTH	20-FOOT LAYING LENGTH
42	50	0.47	44.50	198.9	3960	_
42	51	0.53	44.50	224.0	4410	_
42	52	0.59	44.50	249.1	4860	_
42	53	0.65	44.50	274.0	5310	_
42	54	0.71	44.50	298.9	5760	_
42	55	0.77	44.50	323.7	6205	_
42	56	0.83	44.50	348.4	6650	_
48	50	0.51	50.80	_	_	5430
48	51	0.58	50.80	_	_	6095
48	52	0.65	50.80	_	_	6765
48	53	0.72	50.80	_	_	7430
48	54	0.79	50.80	_	_	8095
48	55	0.86	50.80	_	_	8755
48	56	0.93	50.80	_	_	9415
54	50	0.57	57.56	_	_	7080
54	51	0.65	57.56	_	_	7945
54	52	0.73	57.56	_	_	8810
54	53	0.81	57.56	_	_	9670
54	54	0.89	57.56	_	_	10530
54	55	0.97	57.56	_	_	11390
54	56	1.05	57.56	_	_	12240

**NOTE:** Thicknesses and dimensions of 3" through 64" ductile iron pipe conform to ANSI/AWWA C151/A21.51. 60" and 64" classified as pressure class only. Weights may vary from the standard because of differences in bell weights.

 $<sup>^</sup>a$  Tolerance of 0.D. of spigot end: 3–12 in.,  $\pm 0.06$  in.; 14–24 in., +0.05 in., -0.08 in.; 30–48 in., +0.08 in., -0.06 in.; 54–64 in., +0.04 in., -0.10 in.

<sup>&</sup>lt;sup>b</sup>Including bell; calculated weight of pipe rounded off to nearest 5 lbs.



INCHES	DEGREES	INC	HES	FEET		
SIZE	MAXIMUM JOINT DEFLECTION	DEFLECTION/OFFSET - "Y"	RADIUS PRODUCED BY SUCCESSION OF JOINTS			
		18 FT. LENGTH	20 FT. LENGTH	18 FT. LENGTH	20 FT. LENGTH	
3	5	19	21	206	229	
4	5	19	19 21		229	
6	5	19	19 21		229	
8	5	19	21	206	229	
10	5	19	21	206	229	
12	5	19	21	206	229	
14	5	19	21	206	229	
16	5	19	21	206	229	
18	5	19	21	206	229	
20	5	19	21	206	229	
24	5	19	21	206	229	
30	5	19	21	206	229	
36	5	19	_	206	<del>-</del>	
42	4	15	_	258	_	
48	4	_	17	_	287	
54	4	_	17	_	287	
60	4	_	17	_	287	
64	4	_	17	_	287	

 $\textbf{NOTE:} \ \textbf{Illustration above not to scale.} \ \textbf{Angles have been exaggerated for display purposes.}$ 



# **PVC SCHEDULE 40 FITTINGS**

40-2-0604

# Performance Engineered & Tested



SPEARS® Schedule 40 PVC fitting designs combine years of proven experience with computer generated stress analysis to yield the optimum physical structure and performance for each fitting. Material reinforcement is uniformly placed in stress concentration areas for substantially improved pressure handling capability. Resulting products are subjected to numerous verification tests to assure the very best PVC fittings available.

#### Full 1/4" Through 12" Availability

Spears® comprehensive line of PVC fittings offers a variety of injection molded configurations in Schedule 40 sizes 1/4" through 12" conforming to ASTM D 2466.

## **Exceptional Chemical & Corrosion Resistance**

Unlike metal, PVC fittings never rust, scale, or pit, and will provide many years of maintenance-free service and extended system life.

#### **High Temperature Ratings**

PVC thermoplastic can handle fluids at service temperatures up to 140°F (60°C), allowing a wide range of process applications, including corrosive fluids.

#### **Lower Installation Costs**

Substantially lower material costs than steel alloys or lined steel, combined with lighter weight and ease of installation, can reduce installation costs by as much as 60% over conventional metal systems.

#### **Sample Engineering Specifications**

All PVC Schedule 40 fittings shall be produced by Spears® Manufacturing Company from PVC Type I cell classification 12454, conforming to ASTM D 1784. All injection molded PVC Schedule 40 fittings shall be Certified for potable water service by NSF International and manufactured in strict compliance to ASTM D 2466. All fabricated fittings shall be produced in accordance with Spears® General Specifications for Fabricated Fittings.

#### **Higher Flow Capacity**

Smooth interior walls result in lower pressure loss and higher volume than conventional metal fittings.

# Additional Fabricated Configurations through 36"

Extra large, hard-to-find, and custom configurations are fabricated from NSF Certified pipe. Fittings are engineered and tested to provide full pressure handling capabilities according to Spears® specifications.

#### **PVC Valves**

SPEARS® PVC Valve products are available for total system compatibility and uniformity; see SPEARS® THERMOPLASTIC VALVES PRODUCT GUIDE & ENGINEERING SPECIFICATIONS (V-4).

#### **Advanced Design Specialty Fittings**

Spears® wide range of innovative, improved products include numerous metal-to-plastic transition fittings and unions with Spears® patented special reinforced (SR) plastic threads.





#### PROGRESSIVE PRODUCTS FROM SPEARS® INNOVATION & TECHNOLOGY

#### PVC Thermoplastic Pipe Temperature Pressure De-Rating

To determine the maximum internal pressure rating at an elevated temperature, simply multiply the pipe pressure rating at 73°F by the percentage specified for the desired temperature.

System Operating	73	80	90	100	110	120	130	140
Temperature °F (°C)	(23)	(27)	(32)	(38)	(43)	(49)	(54)	(60)
PVC	100%	90%	75%	62%	50%	40%	30%	22%

NOTE: Valves, Unions and Specialty Products have different elevated temperature ratings than pipe.

#### **PVC Basic Physical Properties**

Properties	ASTM Test Method	PVC				
Mechanical Properties, 73°F						
Specific Gravity, g/cm³	D 792	1.41				
Tensile Strength, psi	D 638	7,200				
Modulus of Elasticity, psi	D 638	440,000				
Compressive Strength, psi	D 695	9,000				
Flexural Strength, psi	D 790	13,200				
Izod Impact, notched, ft-lb/in	D 256	.65				
Thermal Properties						
Heat Deflection Temperature, °F at 66 psi	D 648	165				
Thermal Conductivity, BTU/hr/sq ft/°F/in	C 177	1.2				
Coefficient of Linear Expansion, in/in/°F	D 696	3.1 X 10 <sup>5</sup>				
Flammability						
Limiting Oxygen Index, %	D 2863	43				
UL 94 rating	94V-0					
Other Properties						
Water Absorption, % 24 hr.	D 570	.05				
Industry Standard Color	White / Dark Gray					
ASTM Cell Classification	D 1784	12454				
NSF Potable Water Approved	Yes					

#### **PVC Chemical Resistance**

PVC is generally inert to most mineral acids, bases, salts and paraffinic hydrocarbon solutions. For more information on PVC chemical resistance refer to the Chemical Resistance of Rigid Vinyls Based on Immersion Test, published by the GEON® Company.

# NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company DOES NOT RECOMMEND the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of our product in compressed air or gas systems automatically voids any warranty for such products, and its use against our recommendation is entirely the responsibility and liability of the installer.

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.



#### SPEARS® MANUFACTURING COMPANY • CORPORATE OFFICE

15853 Olden St., Sylmar, CA 91342 • PO Box 9203, Sylmar, CA 91392 (818) 364-1611 • www.spearsmfg.com



15860 Olden St. Sylmar (Los Angeles), CA 91342 (818) 364-1611 • (800) 862-1499 Fax (818) 367-3014

#### **NORTHWEST**

4103 C St. NE Suite 200 Auburn (Seattle), WA 98002 (253) 939-4433 • (800) 347-7327 Fax (253) 939-7557

#### **ROCKY MOUNTAIN**

4880 Florence St. Denver, CO 80238 (303) 371-9430 • (800) 777-4154 Fax (303) 375-9546

#### SOUTH CENTRAL

4250 Patriot Dr. Suite 300 Grapevine (Dallas), TX 76051-2317 (972) 691-4003 • (800) 441-1437 Fax (972) 691-4404

#### UTAH

5395 West 1520 South Salt Lake City, UT 84104 (303) 371-9430 • (800) 777-4154 Fax (303) 375-9546

#### **NORTHEAST**

590 Industrial Dr. Suite 100 Lewisberry (Harrisburg), PA 17339-9532 (717) 938-8844 • (800) 233-0275 Fax (717) 938-6547

#### SOUTHEAST

4205 Newpoint Pl. Suite 100 Lawrenceville (Atlanta), GA 30043 (678) 985-1263 • (800) 662-6326 Fax (678) 985-5642

#### **FLORIDA**

9563 Parksouth Court Orlando, FL 32837 (407) 843-1960 • (800) 327-6390 Fax (407) 425-3563

#### **MIDWEST**

1 Gateway Ct . Suite A Bolingbrook (Chicago), IL 60440 (630) 759-7529 • (800) 662-6330 Fax (630) 759-7515

#### **INTERNATIONAL SALES**

15853 Olden St. Sylmar (Los Angeles), CA 91342 (818) 364-1611 • Fax (818) 898-3774



October 1, 2020

Carson City Purchasing & Contracts RFB #20300164

## **Exhibit B**

Most manufacturers do not have formal distributorship contracts. The authorization letters provided herein are specific to those we do have contracts with.

**Greg Higgins** 

Waterworks Manager

10-1-20

Date



October 1, 2020

To: Western Nevada Supply 950 S Rock Blvd Sparks, NV 89431

RE: Authorized Distributor

To Whom It May Concern,

Western Nevada Supply is an authorized distributor for Diamond Plastics Corp.

Thank You,

Liz Gadson Manufacturer's Representative for Diamond Plastics



Date: October 1, 2020

RE: Western NV Supply

To Whom It May Concern,

This letter is to inform you that Western Nevada Supply is an authorized representative and distributor of Mueller products. Mueller's standard warranty will apply to all material.

I would like to thank you and feel free to call with any comments, questions or concerns.

Sincerely,

Josh Swanson N. CA/NV Sales Rep. 916-802-8772 jswanson@muellercompany.com



October 1, 2020

To Whom It May Concern:

Western Nevada Supply Co is an authorized dealer for Romac products.

If you have any questions or concerns, please feel free to reach out to me.

Thank you!

Jessica (JR) Davis

Jessia Dais

Romac | Sales Liaison 21919 20th Ave SE, Suite 100 Bothell, Washington 98021

Dir: 425.951.6223 Fax: 425.951.6201

Quotes / Orders: 800.426.9341

www.romac.com



October 1, 2020

To: Western Nevada Supply

RE: Authorized Distributor for Star Pipe Products

This letter is to certify that Western Nevada Supply in Sparks, NV, is an authorized distributor for Star Pipe Products.

If you have any further questions, please feel free to contact me.

Sincerely,

Jason O'Han

Jason O'Nan Vice President Star Pipe Products



T: 281.558.3000

F: 281.558.9000





Telephone: 602.233.0071 Sales Fax: 602.272.4847 Administrative Fax: 602.233.9152

> 201 South 61st Avenue Phoenix, Arizona 85043

September 29, 2020

Western Nevada Supply 950 S. Rock Blvd Sparks, NV 86431

RE: Western Nevada Supply is a partner and stocking distributor of Vinyltech PVC pipe Products.

Sincerely, Vinyltech Corporation

Brent Hildyard, Vice President

Boy Heldpul

Cc: Mr. Dan Ewart, DES





October 1, 2020

Carson City Purchasing & Contracts RFB #20300164

## **Exhibit C**

Product Warranty, terms, and conditions are different with each manufacturer we represent. Listed herein are the websites to each manufacturer where all Warranty information can be found.

**Greg Higgins** 

Waterworks Manager

Date

Manufacturer Website

ADS <u>www.ads-pipe.com</u>

APCO/Dezurik <u>www.dezurik.com</u>

Anvil <u>www.anvilintl.com</u>

Allied <u>www.alliedfit.com</u>

AVK <u>www.americanavk.com</u>

Cla-Val <u>www.cla-val.com</u>

Crispin <u>www.crispinvalve.com</u>

Diamond Plastics <u>www.dpcpipe.com</u>

Matco Norca <u>www.matconorca.com</u>

Mueller <u>www.muellerwp.com</u>

NDS <u>www.ndspro.com</u>

Nibco <u>www.nibco.com</u>

Red-White <u>www.redwhitevalvecorp.com</u>

Romac <u>www.romac.com</u>

Smith-Blair <u>www.smith-blair.com</u>

Spears <u>www.spearsmfg.com</u>

Star <u>www.starpipeproducts.com</u>

US Pipe <u>www.uspipe.com</u>

Vinyltech <u>www.vtpipe.com</u>



October 2, 2020

Carson City Purchasing & Contracts RFB #20300164

## **Exhibit D**

Addendum #1 received and signed.

Greg Higgins

Waterworks Manager

Date

#### CARSON CITY PURCHASING AND CONTRACTS

201 North Carson Street, Suite 2 Carson City, NV 89701 775-283-7362/FAX 887-2286

https://carson.org/bids

REQUEST FOR BID

BID #20300164

Warehouse Inventory Parts

October 1, 2020

Addendum No. 1

The City will hold the bid opening via webex meeting, the link is provided below.

#### Bid Opening Live Video

Bid opening will begin at 11:30am on October 2, 2020.

https://carsoncity.webex.com/carsoncity/j.php?MTID=mff649d06a32a57bbf7993bd1f1712e8d

Meeting number: 146 222 5956

Password: RHbcNPDT633

Only the names of the companies that submit a bid will be read at the time of the bid opening.