

County of Otero Purchasing
1101 New York Ave., Room 118
Alamogordo, NM 88310
(575) 434-0710
FAX (575) 443-2914



Sealed Bid 14-013
Fire Apparatus for Alamo West VFD
Bid Deadline: Thursday, February 20, 2014
@ 2:30 PM

Procurement Agent: Ginger Herndon

INVITATION FOR BIDS

THE COUNTY OF OTERO IS REQUESTING COMPETITIVE SEALED BIDS FOR THE FOLLOWING GOODS OR SERVICES:

TITLE: ALAMO WEST APPARATUS
BID NO.: 14-013
OPEN: THURSDAY, February 20, 2014 @ 2:30 P.M. local time

FOR ADDITIONAL INFORMATION CONTACT:

GINGER HERNDON PURCHASING AGENT
PHONE: (575) 434-0710

THE OFFICE OF THE PURCHASING AGENT, COUNTY OF OTERO WILL RECEIVE COMPETITIVE SEALED BIDS FOR THE GOODS OR SERVICES DESCRIBED IN THIS BID AT:

VIA MAIL

OTERO COUNTY PURCHASING
1101 NEW YORK AVE. ROOM 118
ALAMOGORDO, NM 88310

HAND CARRIED

OFFICE OF THE PURCHASING AGENT
1101 NEW YORK AVE. ROOM 118
ALAMOGORDO, NM 88310

ANY BIDS RECEIVED AFTER BID OPENING DATE/TIME WILL BE RETURNED UNOPENED. PLEASE USE THE ENCLOSED MAIL LABEL ON THE OUTSIDE OF YOUR ENVELOPE.

NOTE: USE OF THE MAIL SERVICE IS AT YOUR OWN RISK FOR PROPER DELIVERY.

DUE DATE, Thursday, February 20 2014 @ 2:30 PM

Having carefully examined the notice to bidders, general instructions to bidders, terms and conditions, supplemental terms and conditions, and project specifications, addenda(s), the site of the work, the work on the above-named project, the undersigned hereby proposes to furnish all materials, labor, equipment, tools, transportation, services, licenses, fees, permits, etc. (not including New Mexico Gross Receipt Taxes or any additive alternates) required by said documents and to complete all divisions of the work stipulated. The Board reserves the right to reject any or all bids and waive any/all formalities.

SEE ATTACHED SPECIFICATIONS FOR COMPLIANCE

COMPANY NAME: _____

ADDRESS: _____

PHONE# _____

FAX# _____

EMAIL: _____

PRINT NAME: _____

SIGNATURE: _____

RECEIVED ADDENDA NUMBERS: _____, _____, _____, WHEN ISSUED.

IN STATE PREFERENCE NO: _____

SUPPLEMENTAL TERMS AND CONDITIONS

THESE SUPPLEMENTAL TERMS AND CONDITIONS ARE IN ADDITION TO THE GENERAL INSTRUCTIONS, TERMS AND CONDITIONS AND, IN THE EVENT OF A CONFLICT BETWEEN THE PROVISIONS OF THE GENERAL INSTRUCTIONS, TERMS AND CONDITIONS AND THESE SUPPLEMENTAL TERMS AND CONDITIONS, THE PROVISIONS OF THESE SUPPLEMENTAL TERMS AND CONDITIONS SHALL CONTROL.

GUARANTEED PERFORMANCE:

THE BIDDER, IF AWARDED A CONTRACT AS A RESULT OF THIS BID, GUARANTEES THAT THE MATERIALS SUPPLIED ARE CAPABLE OF THE PERFORMANCE REQUIRED IN THE SPECIFICATIONS IN THIS BID, AND AGREES TO MAKE SUCH CHANGES, ADJUSTMENTS OR REPLACEMENTS AS ARE IMMEDIATELY NECESSARY IN ORDER FOR THE MATERIALS TO MEET THE PURCHASING REQUIREMENTS AT NO COST TO THE COUNTY. IF DEFECTS OR SPECIFICATION FAILURES ARE DISCOVERED, THE PURCHASING OFFICER SHALL HAVE THE RIGHT, NOTWITHSTANDING ACCEPTANCE AND PAYMENT TO REQUIRE THE UNIT/ITEM TO BE PROPERLY FURNISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS AT THE COST AND EXPENSE OF THE BIDDER OR THE BIDDER'S SURETY.

INSPECTION OF MATERIALS:

THE COUNTY RESERVES THE RIGHT TO INSPECT MATERIALS PROVIDED BY THE BIDDER THROUGH A CONTRACT RESULTING FROM THIS BID TO DETERMINE THEIR QUALITY, FITNESS AND SUITABILITY. INSPECTION OF THESE MATERIALS MAY BE CONDUCTED WHENEVER THE COUNTY CONSIDERS NECESSARY.

MANUFACTURER'S INFORMATION:

ANY BID MADE IN RESPONSE TO THIS INVITATION MUST INCLUDE THE MANUFACTURER'S MAKE AND MODEL NUMBER (AS APPLICABLE) OF EACH ITEM AND LITERATURE CLEARLY DESCRIBING THE ITEM. FAILURE TO PROVIDE THIS INFORMATION MY RESULT IN REJECTION OF THE BID.

MATERIALS AND WORKMANSHIP:

ALL MATERIALS FURNISHED BY THE BIDDER SHALL BE FREE FROM DEFECTS AND IMPERFECTIONS. WORKMANSHIP SHALL BE IN ACCORD WITH THE BEST INDUSTRY STANDARDS AND PRACTICES. BOTH MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.

BRIBES, GRATUITIES, AND KICKBACKS:

PURSUANT TO 13-1-191 NMSA 1978, REFERENCE TO HEREBY MADE TO THE CRIMINAL LAWS OF NEW MEXICO (INCLUDING 30-14-1, 30-24-2 AND 30-4-1 THROUGH 30-41-3 NMSA 1978), WHICH PROHIBIT BRIBES, KICKBACKS AND GRATUITIES, VIOLATION OF WHICH CONSTITUTES A FELONY. FURTHER, THE PROCUREMENT CODE (13-1-28 THROUGH 13-1-199 NMSA 1978) IMPOSES CIVIL AND CRIMINAL PENALTIES FOR CODE VIOLATIONS.

COLLUSION

NO PROPOSER SHALL BE INTERESTED IN MORE THAN ONE PROPOSAL. COLLUSION AMONG PROPOSERS OR THE SUBMISSION OF MORE THAN ONE PROPOSAL UNDER DIFFERENT NAMES BY ANY FIRM OR INDIVIDUAL SHALL BE CAUSE FOR REJECTION OF ALL PROPOSALS WITHOUT CONSIDERATION.

COUNTY OF OTERO INVITATION FOR BIDS

GENERAL INSTRUCTIONS, TERMS AND CONDITIONS

IMPORTANT: READ CAREFULLY BEFORE SUBMITTING BIDS. FAILURE TO DO SO SHALL NOT ABSOLVE THE BIDDER FROM RESPONSIBILITY TO PERFORM OR DELIVER AS SPECIFIED.

1. **APPLICABILITY:** Except as otherwise specifically provided in this bid, these General Instructions, Terms and Conditions shall govern the procurement of the items specified in this bid. In the event of a conflict between these General Instructions, Terms and Conditions, Supplemental Conditions or the specifications of this bid, the order of application shall be the Specifications, Supplemental Conditions and the General Instructions, Terms and Conditions. In addition, the Public Purchases Ordinance and promulgated Rules and Regulations shall apply.

2. **DEFINITIONS:** As used in this bid, the definitions of the Public Purchases Ordinance apply including the following.
 - A. **"Bid"** means all documents, including those attached or incorporated by reference, issued by the Purchasing Department for soliciting offers to provide goods, services or construction.

 - B. **"Contract"** means any agreement for the procurement of goods, services, construction or concessions. A Purchase Order issued in response to an offer constitutes a contract.

 - C. **"Contractor"** means an offerer who has been awarded a contract.

 - D. **"County"** means the County of Otero, New Mexico.

 - E. **"Purchase Order"** means a document issued by the Purchasing Office directing the Contractor to deliver goods, services or construction.

 - F. **"Purchasing Office"** means the Purchasing Department of Otero County.

 - G. **"Purchasing Agent"** means the person charged with the responsibility of administering the Department.

 - H. **"Bidder"** means a business that submits a response to a competitive solicitation.

- I. **"Responsible Bidder"** means a business which has the capability in all respects to perform fully the contract requirements set out in the competitive solicitation, and the integrity and reliability which will assure good faith performance, and who has not violated or attempted to violate any provision of law or ethical conduct. Factors which may be considered in determining the offeror's capability to perform, among others, are its financial resources, production or service facilities, service reputation and experience.
- J. **"Responsive Bid"** means a written offer to furnish goods, services or construction in conformity with standards, specifications, delivery terms and conditions, and all other requirements established in a competitive solicitation.
- K. **"Successful Bidder"** means the lowest Responsible Bidder to whom Otero County, on the basis of the County's evaluation, makes an award. A Successful Bidder does not become a contractor until a purchase order is signed by the County.

3. **INSTRUCTIONS TO THE BIDDER**

Sealed Bids are desired from reputable manufacturers of automotive fire apparatus in accordance with the specifications for the apparatus as per attached. These specifications are assumed to be compliant with all current NFPA standards. ***If the vendor knows otherwise, the vendor will notify Otero County Purchasing immediately.***

The apparatus shall meet the detailed requirements of the most current and applicable NFPA Standard and these specifications and any special provision that may be attached.

Pursuant to Sec 13-1-188 NMSA, 1984 Comp., any state agency shall only purchase cars and trucks assembled in North America.

Any exceptions to the bid shall be listed separately and specifications attached are minimum requirements. The specifications submitted herein are all that were available to the Purchaser at the time of this mailing. Minor deviations to the specifications as listed, may be considered.

The apparatus shall be designed to meet the specified rating at 8,000 feet altitude and shall be subjected to off road use; thus engineering, design, and fabrication must allow for the additional stress and strain.

- A. **Submission:** All Bids must be submitted on the Invitation for Bids form enclosed. Failure to do so may disqualify your offer. It is the responsibility of the bidder to submit sufficient additional information to allow for a thorough evaluation of the bid submitted.
- B. **Preparation Method:** All information required in this Bid must be typewritten or handwritten in ink and must be legible. Erasures or other

changes must be initialed by the person signing the offer. Each bid must be signed on the appropriate pages by an individual authorized to bind the bidder submitting the bid.

- C. Unit Prices: The unit price for each item offered shall be shown unless otherwise specified. In the case of a discrepancy between the unit price and the extended price, the unit price will govern in determining the price used for evaluation. Unit prices offered should be for the units specified.
- D. Delivery Time: Delivery time stated in the specifications shall apply. Deviations by the bidder shall be stated. Time, if stated in number of days, will be consecutive calendar days.
- E. Payment Terms: The Invitation for Bids form provides space for the bidder to identify the payment terms that the bidder is offering. Terms of less than twenty (30) days will not be considered. The discount term shall not begin until the goods, services or construction have been delivered and accepted and the correct invoice received in the County Accounts Payable Office.
- F. Freight Policy: Freight will be F.O.B. Destination (As indicated on the Invitation for Bids form), Freight Prepaid, unless otherwise specified in this Bid.
- G. Taxes: Bidders shall not include any applicable gross receipts taxes in its offered price, unless specified otherwise in this bid, and such offer will be construed in the manner. The County will, under appropriate circumstances, furnish a non-taxable transaction certificate. Determination of whether the tax is due and payment of the tax is the responsibility of the bidder. Applicable taxes are to be included in each invoice due and may not be billed more than sixty (60) days after providing the services to which the taxes apply.
- H. New Material, Etc.: All materials, supplies, equipment, and vehicles specified in this Bid shall be new, the latest in production and manufactured within the last twelve (12) months (computed from the date and time of offer opening) unless otherwise indicated. This does not apply to materials, supplies, equipment or vehicles used by the Contractor to provide the required items of tangible personal property, services or construction.
- I. Warranty: The bidder agrees that the items of tangible personal property, services or construction furnished under any contract resulting from this bid shall be covered by the most favorable commercial warranties the bidder gives to any customer for such items. Further, the bidder agrees that the rights and remedies provided in such warranties extend to the County and are in addition to and do not limit any rights afforded to the County by any other clause of this bid. The bidder agrees not to

disclaim warranties of fitness for a particular purpose of merchantability. Warranties shall become effective at the time of acceptance.

- J. Equivalent Bids: Where a product is characteristic of a sole manufacturer, or where a brand name is indicated in the specifications, it shall be defined to mean "minimum acceptable level" or "minimum quality required" by the County unless the specifications state that no substitutions or equivalents will be allowed. If the bidder offers an item other than the one specified, which the bidder considers comparable, the manufacture's name and model number of that item must be specified in the bid and sufficient performance specification and descriptive data provided to permit a thorough evaluation. Failure to provide the appropriate information may result in disqualification of the bid.
- K. **Exception to Specifications:** Bidders are to state any exceptions taken to this bid the bidder is required to furnish the items exactly as specified and to comply with all other requirements of this bid. The bidder shall clearly note the variances and provide adequate documentation of proof that the alternate meets or exceeds specifications.
- L. **Indemnity:** The bidder to whom an award has been made as a result of this bid expressly agrees to defend, indemnify and save harmless the County and its officer, agents and employees from and against any and all claims, suits, demands, actions, or proceedings of every nature and description brought because of any injury or damage received or sustained by any person, persons, or property arising out of the bidder's providing the goods, services for construction pursuant to the bid or by reason of any act or omission, neglect or misconduct of the bidder, the agents, employees or subcontractors of the bidder or the agents or employees of any subcontractor of the bidder. The indemnity required herein shall not be limited by reason of the specification of any particular insurance coverage.
- M. **Patent Indemnity:** If any item furnished pursuant to any contract resulting from this bid shall be covered by any patent, copyright, or application for patent or copyright, the bidder shall defend, indemnify and save harmless the County from any and all loss, cost or expense or any and all claims suits, or judgments as a result of the use of such item in violation of rights under such patent, copyright, or application for patent or copyright.
- N. **Public Inspection:** Each bid shall be open to public inspection, except to the extent the bidder designates trade secrets or other proprietary data to be confidential. Material so designated shall accompany the bid and each page shall be clearly marked and readily separable from the bid in order to facilitate public inspection of the non-confidential portion of the bid. Prices and makes and models or catalog numbers of the items offered, deliveries and terms of payment shall be publicly available at the time of the opening of the bid regardless of any designation to the

contrary. The County shall endeavor to restrict distribution of the material designated as confidential to only those individuals involved in the review and analysis of the bids. Bidders are cautioned that materials designated confidential may nevertheless be subject to disclosure to any New Mexico citizen under the Inspection of Public Records Act (Sections 14-2-1 through 14-2-3 N.M.S.A. 1978)

- O. Material Safety Data Sheets: To comply with the Occupational Health and Safety Regulation 1910.1200 for general standards on handling hazardous materials, material safety data sheets may be required for all or part of the products included on this bid. It is the responsibility of the bidder to make this determination and, if required, a copy of the MSDS must accompany the product when delivered to the end user. Failure to comply with this requirement may cause the delivery of products to be rejected and all costs related to such action to be borne by the bidder.
- P. Pursuant to Sec 13-1-131 NMSA, 1984 Comp., as amended, Otero County reserves the right to reject any and all bids, whole or in part, submitted hereunder, provided that such rejections shall be accompanied by a written statement declaring the reason for the rejections.
- Q. Each bidder shall supply a blueprint drawing of the apparatus being proposed.
- R. If the awarded company fails to deliver the apparatus and equipment within the time specified, it is understood and the company agrees to the amount of one hundred dollars (\$100.00) per unit, per day for each calendar day any work remains incomplete, to a maximum of the contract price may be deducted from the moneys due the contractor, not as a penalty, but as liquidated damages.
- S. Bid proposal shall be accompanied by a certified check, Cashier check, or surety bond in the amount of ten (10) percent of the total price of the bid. The bid surety shall be made payable to this agency and conditioned upon the successful bidder accepting award and submitting an acceptable performance bond. In the event of failure of refusal to comply, the bid surety may be forfeited as liquidated damages because of such failure of default.
- T. Within fourteen (14) calendar days after the official notification of award, the successful bidder shall furnish a performance bond, which is equal to 100% of contract price. The successful bidder and surety shall agree to bind themselves their successors, executors, administrators and assigns, jointly and severally to deliver the fire apparatus to the specifications, general conditions and to the purchase order. This bond shall remain in force until vehicle and equipment have been delivered and accepted. Failure to deliver any part of the order to terms above may be considered by the purchaser as a breach of contract, in which case the fire apparatus and equipment may be rejected and the purchaser has the right to require forfeiture of the full amount of the performance bond as liquidated damages. The attorney's-in-fact, who signs the bonds, must file with the bonds a certificate copy of their power of attorney to sign such bonds.

- U. The awarded vendor is responsible for reporting all test results to the New Mexico State Fire Marshal's Office.
- V. A minimum of \$1,000,000.00 product liability insurance shall be provided and shall show the breakdown of:
 - General Aggregate (other than products, completed operations)
 - Products/completed operation aggregate
 - Personal and Advertising injury
 - Each Occurrence per Location
 - Umbrella/Excess Liability
- W. Please be advised, this contract is null and void if the apparatus does not meet all the requirements stated in the current applicable NFPA Standard.
- X. All purchases are governed by the statutes of the State of New Mexico and the regulations of Otero County.
- Y. The awarded bidder shall guarantee for the minimum of period of one (1) year that all new equipment furnished under these specifications shall be free from defects. The vendor shall repair or replace all such defective equipment F.O.B., fire station site. Each bidder must furnish satisfactory evidence of his ability to have warranty work done and where work is to be done.
- Z. Each bidder shall furnish satisfactory evidence of their ability to construct the apparatus as specified and shall state the number of years the company has been actively engaged construction like or equal apparatus's. The location of the factory shall be disclosed.

You signature on the completed bid form will serve as a warranty that your bid is genuine and you agree with all contract provisions. A performance bond may be requested; no charge will be assessed to the County.

- 4. ETHICAL CONDUCT: By submitting its bid in response to this invitation, the bidder certifies that:
 - A. It has not offered, given or agreed to give to any County employee or former employee, a gratuity or offer of employment to influence the preparation of or recommendation of award of this bid;
 - B. It has not retained a person or solicited or secured a County Contract for a contingent fee;
 - C. It has not taken any action in restraint of free competitive bidding in connection with this bid;

D. It has not in any way violated the ethical conduct or other provisions of the County's Public Purchases Ordinance; and

E. It currently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with its performance of any contract resulting from this bid.

5. REQUESTS FOR EXPLANATIONS BY BIDDERS:

A. Requests for Explanation: Any explanation desired by the bidder regarding the meaning or interpretation of specifications or any part of this bid must be requested in writing and received in the Purchasing Department not less than five (5) working days before the bid opening date.

B. Response to Bids: Oral explanations or instructions given prior to the opening of the offer shall not be binding. The Purchasing Department must issue any official explanations, in writing.

6. ADDENDA:

Addenda: Changes or amendments to specifications, conditions or provisions herein may be initiated ONLY through the Purchasing Department in the form of a written addendum.

Any addenda shall become a part of this bid and should be acknowledged either by being signed and returned with the bid or through letter or telegram that arrives prior to the opening of the bid. Failure to do so may result in disqualification of the bid.

It is the responsibility of all vendors considering making a bid in response to this invitation to ensure that they have received all addenda prior to making a bid. Bidders may contact the Purchasing Department to obtain information regarding any addenda issued. Failure to obtain an addendum shall not be grounds for overturning a recommendation of award.

7. CLARIFICATION OF BIDS:

The County may, in the evaluation of bids, request clarification from bidders regarding their bid, obtain additional material or literature, and pursue other avenues of research as necessary to insure that a thorough evaluation is conducted.

8. SUBMISSION OF BID:

A. Time: Bids not received by the time and date indicated on the Invitation for Bids will not be accepted, and will be returned unopened.

B. Hand Carried: Bids may be hand carried to the Purchasing Department at 1101 New York Ave., Room 118, Alamogordo, New Mexico.

- C. Mailed: Bids may be mailed to the attention of the Purchasing Department, County of Otero, 1101 New York Ave., Room 118, Alamogordo, New Mexico 88310. The County shall not be responsible for bids that are mailed and not received by the opening date and time specified in the solicitation.
- D. Envelope Preparation: The envelope/package containing a bid must be sealed and the following identifying information legibly written or typed on the outside.
- 1). Name of Bidder
 - 2). Bid Number assigned by the County to the Invitation for Bids
 - 3). Opening date as identified on the bid or subsequent addenda
- E. **No Other Methods of Bid Delivery: Neither telephone, telegraphic, nor facsimile bid shall be accepted.**

9. EQUAL OPPORTUNITY COMPLIANCE/WORKERS' COMPENSATION:

Otero County does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in the employment or the provisions of services. The "Contractor" agrees to comply strictly with the policies of "County", as well as all Federal and State Laws pertaining to Equal Employment Opportunity, including the Americans with Disabilities Act, and will not discriminate against any person or deny any person participation or benefit from the performance of this Agreement as a result of any discriminatory action. The "Contractor" agrees to comply with State Laws and rules applicable to workers' compensation benefits for its employees. If the "Contractor" fails to comply with the Workers' Compensation Act and applicable rules when required to do so, the "County" may terminate this agreement.

10. OSHA REQUIREMENTS IN EMPLOYMENT:

Otero County shall contract with Companies or Firms whose operators and equipment meet OSHA (Occupational Safety and Health Administration) standards in their field of expertise.

11. WITHDRAWAL OF BIDS:

A bid may be withdrawn in person at any time BEFORE the scheduled opening of bids, provided a receipt for the withdrawn bids is signed by the bidder or the bidder's authorized representative. The County reserves the right to request proof of authorization to withdraw a bid.

12. OPENING OF BIDS:

Time and Place: Bids will be opened by the Purchasing Department at the time and place identified in this Bid. Openings are open to the public. Bidders are encouraged to attend.

13. DISQUALIFICATION OF BID:

The County reserves the right to reject a bid for, including but not limited to, any one or more of the following circumstances:

- A. In the past the bidder has failed to comply with previous contractual commitments or bids to the County.
- B. In the opinion of the County the bidder is not capable of providing the offered goods, services, or construction as offered or required by the bid or is otherwise not a responsible bidder.
- C. The bidder has not provided sufficient or detailed information which allows for the evaluation of the bid.
- D. In the opinion of the County the offered prices are higher than the prices for which the specified items or services can be purchased on the open market.
- E. The bidder failed to properly fill in any space on the Invitation for Bids form and attached documents where information or a signature is required.
- F. The bidder did not; at the time the bid is made, have an appropriate New Mexico Contractor's License or Certification when one is required by law, regulation or this Bid.
- G. The bidder failed to submit with their bid, bid bonds or other material requirements of the Bid or has otherwise submitted a non-responsive bid.
- H. There are unauthorized additions, conditions, alternate proposals or other irregularities of any kind which might make the bid incomplete, indefinite or ambiguous in meaning.
- I. Bid was not submitted in ink or typewritten or there is any erasure or alteration of words or figures relating to pricing which is not initialed in ink by the bidder.
- J. The County determines that a bid contains any misrepresentations whatsoever.

14. REJECTION/CANCELLATION OF BIDS:

Any solicitation, prior to opening or after opening, may be canceled or any or all bids may be rejected in whole or in part when it is in the best interest of the County.

15. MINOR OR TECHNICAL IRREGULARITIES:

Minor or technical irregularities in a bid, when there is no effect on price, quality or quantity may be waived and clerical errors in a bid may be corrected, if permitted by the Purchasing Officer and are in the best interest of the County.

16. NONCONFORMING/CONDITIONAL, OR COUNTER BIDS:

A bid which is nonconforming or conditional, whether in part or in whole will be rejected.

17. BID ANALYSIS:

The County reserves the right to analyze, examine and interpret any bid for a minimum period of sixty (60) consecutive calendar days, after the scheduled time for the opening of bids. Bids may not be rescinded during this period except for good cause and with the written approval of the Purchasing Officer. In those situations where the analysis/evaluation exceeds the sixty (60) calendar days, bidders may withdraw their bids from consideration.

18. AWARD OF CONTRACT:

- A. When Award Occurs: The award of a contract occurs when a Purchase Order is issued or other evidence of acceptance by the County is provided to the bidder. A Recommendation of Award does not constitute award of contract.
- B. Award: If a contract is awarded, it shall be awarded to the responsive and responsible bidder whose bid is lowest in total price and is the most advantageous to the County, specifications and other factors considered.
- C. Basis of Award: The County reserves the right to award a contract based on this Bid in total or by group of items, on the basis of individual items, or any combination of these, which in the judgment of the Purchasing Officer, best serves the interests of the County, unless otherwise stated in this Bid.
- D. Contract Changes: In no case shall a contract be changed without the prior written approval of the Purchasing Officer.
- E. To qualify for the five percent (5%) in state Resident Preference, the bidder must provide their assigned Resident Certification Number with their bid (an appropriate place is designated in the Bid Form). If a bidder does not provide their assigned Resident Certification Number with their bid, the bid shall not be considered as made by a resident business or a resident manufacturer and no preference shall be applied during the analysis of that bid.

NOTE: Your State Tax Number is NOT your Resident Certification Number.

19. PROTEST PROCESS:

- A. Any bidder who is aggrieved in connection with a solicitation or award of an Agreement may protest to the County of Otero Purchasing Agent in accordance with the requirements of the County of Otero's Procurement Regulations and the State Procurement Code. The protest should be made in writing within 24 hours after the facts or occurrences giving rise thereto, but in no case later than 15 calendar days after the facts or occurrences giving rise thereto.
- B. In the event of a timely protest under this section, the Purchasing Agent and the County of Otero shall not proceed further with the procurement unless the Purchasing Agent makes a determination that the award of Agreement is necessary to protect substantial interests of the County of Otero (13-1-173 NMSA 1978).
- C. The Purchasing Agent or his designee shall have the authority to take any action reasonably necessary to resolve a protest of an aggrieved bidder concerning procurement. This authority shall be exercised in accordance with adopted regulations, but shall not include the authority to award money damages or attorney's fees (13-1-174 NMSA 1978).
- D. The Purchasing Agent or his designee shall promptly issue a determination relating to the protest. The determination shall:
 - 1) State the reasons for the action taken; and
 - 2) Inform the Protester of the right to judicial review of the determination pursuant to 13-1-183 NMSA 1978.
- E. A copy of the determination issued under 13-1-175 NMSA 1978 shall immediately be mailed to the Protester and other bidders involved in the procurement (13-1-176 NMSA 1978).

20. DELIVERY, ACCEPTANCE AND GUARANTEE:

- A. No Delivery Before Purchase Order is Issued: No bidder, including the bidder to whom an award is made shall deliver any item of tangible personal property, commence services or construction prior to the Issuance of a Purchase Order or Notice to Proceed issued by the County Purchasing Department.
- B. Cancellation for Non-Delivery: The County reserves the right to cancel any order not delivered by a guaranteed date stipulated in this bid or any contract resulting from this invitation without liability on the County's part.

- C. Acceptance of Delivery: Acceptance by the County of any delivery shall not relieve the Contractor of any guarantee or warranty, expressed or implied. Such acceptance of delivery shall not be considered an acceptance of services or materials not in accordance with the specifications. Such acceptance of delivery shall not waive the County's right to require replacement of defective material or inadequate service.

21. INSPECTIONS:

- A. Prior To Acceptance of Delivery: All items of tangible personal property, services or construction shall be provided exactly as offered, and may be inspected prior to acceptance of delivery by the County.
- B. Inferior Materials, Etc.: All items of tangible personal property, services or construction found inferior to the quality specified in this Bid, deficient or incorrect in weight, measurement, workmanship, handicraft or otherwise, may be rejected as a whole or in part and then shall be removed by the Contractor at the Contractor's own risk and expense promptly after notice of rejection. The Contractor shall assume responsibility for taking the necessary action to correct or replace the rejected items, within the time frame specified in the notice of rejection.

22. INVOICE AND PAYMENTS:

The Contractor shall submit an accurate invoice, in duplicate, for each purchase. Invoices shall refer to the Purchase Order Number, the Release Form Number if applicable, and shall be itemized unless otherwise specified in this Bid. Invoices are to be mailed to: Otero County Accounts Payable, 1101 New York Ave., Alamogordo, New Mexico 88310. Invoices mailed or provided to any other entity will result in a delay in making payment. Offerors are encouraged to inquire if payments due are not received within thirty (30) days after delivery of goods/services and submittal of invoice by contracting the Accounts Payable at (575) 437-7427

23. DEFAULT/TERMINATION FOR CAUSE:

If, through any cause, the Contractor fails to fulfill the Contractor's obligations under any contract resulting from this Bid in a timely and proper manner, or if the Contractor violates any of the covenants, agreements or stipulations of such contract, the County shall notify the Contractor of such violations in writing and allow the Contractor a reasonable time, set out in the notice, to correct the default. If the default is not corrected within the specified time period the County shall have the right to cancel the contract and any or all other current contracts with the Contractor, and, if applicable, to purchase the required goods or services from another source or sources. The County shall provide written notice to the Contractor specifying the effective date of cancellation. The notice of cancellation may be contained in the notice of default.

If a contract resulting from this Bid is canceled, the Contractor shall not be relieved of liability to the County for damages caused by its breach of the

contract. The County reserves the right to recover such damages, including but not limited to any excess cost incurred in having to purchase contract goods/services from other sources by a deduction from an unpaid balance due to the Contractor, collection against a performance or labor and materials payment bond, a combination of these remedies, or any other legal method available. In addition, the Contractor may be removed from the Purchasing Office Vendor List or determined to be ineligible to respond to future solicitations, as being not responsible.

24. TERMINATION FOR THE CONVENIENCE OF THE COUNTY:

The County may terminate any contract resulting from this Bid at any time by giving at least thirty (30) days' notice in writing of such termination to the Contractor. In such event, the Contractor shall be paid under the terms of the contract for all goods/services provided to and accepted by the County, if ordered or accepted by the County prior to the effective date of termination.

25. TERMINATION FOR LACK OF APPROPRIATIONS:

Funding for the contract resulting from this Bid has been appropriated by the County Commission for the County's current fiscal year. Notwithstanding any other provisions in the contract resulting from this Bid, its continuation beyond the end of the any fiscal year is contingent on the County Commission making the appropriations necessary to fund the contract. If sufficient appropriations are not made the contract may be terminated at the end of the County's then current fiscal year upon written notice given by the County to the Contractor. Such termination shall not constitute a default. All payment obligations of the County and all of its interest in the contract will cease upon the date of termination. The County's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final.

26. CAMPAIGN CONTRIBUTION FORM

In accordance with Appendix C, Offerors must comply with 13-1-191.1 pertaining to the disclosure of campaign contributions to an applicable public official of a local public body.

Offeror(s) shall submit the "Campaign Contribution Disclosure Form" with their proposal submittal. Any Offeror who fails to comply with this requirement will be disqualified, no exceptions. (MUST BE SIGNED)

27. **UTILIZE BD**

In accordance with NMSA 13-1-129 of the procurement code, offerors are hereby notified that other government entities within the State of New Mexico, or as otherwise allowed by their respective governing directives, may contract for the goods or services included in this procurement document with the awarded contractor. Contractual engagements accomplished under this provision shall be solely between the awarded vendor and the contracting government entity with no obligation by Qtero County.

Sealed Bid #14-031

Opening Date: 2/20/14
Time: 2:30 PM

**B I D F O R M
F I R E A P P A R A T U S
A L A M O W E S T
V O L U N T E E R F I R E D E P A R T M E N T**

**SEE ATTACHED SPECIFICATIONS---

YEAR: _____

MAKE: _____

MODEL: _____

WARRANTY: _____

DELIVERY DATE: _____

SERVICE: _____

LOCATION OF AVAILABLE SERVICE

THIS OFFER IS GOOD FOR A PERIOD OF: (MINIMUM 60 DAYS) _____

TOTAL PRICE: \$ _____

PRINT NAME OF AUTHORIZED REPRESENTATIVE

SIGNATURE OF AUTHORIZED REPRESENTATIVE/DATE

INSTATE BIDDERS PREFERENCE NUMBER

**OTERO COUNTY PURCHASING
TERMS & CONDITIONS
UNLESS OTHERWISE SPECIFIED.**

1. **BIDS ARE TO COMPLY WITH ALL INSTRUCTIONS AND PROVIDE THE INFORMATION REQUESTED. FAILURE TO DO SO MAY DISQUALIFY YOUR BID.** All bid items are to be NEW and of most current production, unless otherwise specified.
2. Samples of items, when required, must be furnished free of expense prior to the opening of bids and if not destroyed, will, upon request, be returned at the bidders expense.
3. Prices should be stated in units or quantity specified, with packing included. All deliveries will be F.O.B. Alamogordo, NM unless otherwise specified.
4. Time or proposed delivery must be stated in definite terms. If time varies for different items, the bidder should so state.
5. Time of delivery shall be stated as the number of calendar days following receipt of the order either verbally or in writing, whichever is received first by the vendor, to receipt of the goods or services by Otero County.
6. Time of delivery may be a consideration in the award.
7. **Envelopes containing bids must be sealed and marked with name, address of the bidder, due date, and bid number.**
8. **IMPORTANT:** Bids not received in the office of the Purchasing Agent at the time of opening are disqualified and will be returned unopened.
9. Corrections and/or modifications received after the opening time specified will not be accepted.
10. Where an item is specified by brand name and numbers these are used in these specifications as a matter of convenience to indicate quality, type, and features desired. Accordingly demonstrably equal merchandise will be given full consideration and the bidder is invited to offer such, except where it is clearly stated that such brand names and/or models are specified for the purpose of standardization. Any "or equal" items offered must be substantially equal to the appearance, design, dimensions, approximate cost of the item specified, and must be of equivalent materials, function, and sturdiness of construction of the item specified. Any deviation from specifications must be clearly itemized by the bidder.
When offering substitutions, please specify, and include descriptive literature.
11. When brand, number, or level of quality is not stated by the bidder, it is understood the offer is exactly as specified.
12. Otero County is exempt from paying sales tax for materials and federal excise taxes. Do not include those taxes in bid. A nontaxable transaction certificate will be provide when payment is made. Services and tax on labor only are not exempt.
13. If your bid is accepted, you will receive notification either verbally or in writing by an issuance of a Purchase Order Number authorizing you to make delivery. Only the accepted bidder will be notified of awards.
14. **ATTENTION BOOKKEEPING & AUDITING DEPARTMENTS:** Complete payment will be made only when entire order is filled, with the exception of "Open Order Purchases", unless otherwise stated on purchase order. **EXCEPTION: Partial payments will be allowed upon written notification and approval if order cannot be completed in a single shipment.** Payment terms are Net 30 days unless otherwise stated.
15. All addenda so issued shall become part of the bid documents.
16. Pricing shall remain effective for a minimum of thirty
(30) days after bid opening date.

CONDITIONS

1. The Purchasing Agent reserves the right to reject any and all bids, to waive any informality in bids, and **unless** otherwise specified to the bidder, to accept any item on the bid.
2. In case of error in the extension of prices in the bid, the unit price will govern.
3. Prompt payment discounts will not be considered in computing the low bid. Otero County will take advantage of cash discounts offered wherever possible.
4. Time in connection with discount offered will be computed from date of delivery or from date correct invoice is received, whichever is later.
5. Final inspection and acceptance will be made at the destination. Supplies rejected at the destination for non-conformance with specifications shall be removed at the vendor's risk and expense, promptly after notice of rejection.
6. Otero County requires vendor certification be the New Mexico State Purchasing Agent before the 5% in-state bidding preference can be extended. Bidders claiming this preference must show certification number on bid and must be prepared to show evidence of certification for the commodity being bid. In-state vendors: failure to secure above will result in non-considerations of any preference for in-state bidders. This will not apply when Federal funds are used, Chapter 13-1-21.
7. Otero County reserves the right to award by item, group of items, or total bids; to reject any and all bids in whole or in part if, in the judgment of the Purchasing Agent, the best interests of Otero County will be served.
8. The Otero County Purchase Order Number shall be shown on all packing, delivery tickets, and other correspondence in connection with the shipment. The user's count will be accepted by the Vendor as final and conclusive on all shipments not accompanied by a packing ticket.

The Vendor's invoice shall be submitted and contain the following information: order number, description of supplies or services, quantities, unit prices, and extended totals. Separate invoices shall be rendered for each and every complete shipment.

9. Otero County reserves the right to cancel all or any part of this order without cost to the County, if the Vendor fails to meet the provisions of this order and, except as otherwise provided herein, to hold the Vendor liable for any excess cost occasioned by the County due to the Vendor's default. The Vendor shall not be liable for any excess costs if failure to perform the order arises out of cause beyond the control and without the fault or negligence of the Vendor, such causes include, but are not restricted to, acts of God or of the public enemy, acts of the State or of the Federal Government, fires, goods, epidemics, quarantine restrictions, strikes, freight embargo's, unusually severe weather, and defaults of subcontractors due to any of the above, unless Otero County shall determine that the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Vendor to meet the required delivery scheduled. The rights and remedies of the county provided in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law or under this order.
10. In signing this bid or accepting Purchase Order, the Vendor certifies he/she has not, either directly or indirectly, entered into action in restraint of free competitive bidding in connection with this proposal submitted to Otero County Purchasing Agent.
11. Sections 13-1-28 through 13-1-199 NMSA 1978, imposes civil and criminal penalties for its violation. The New Mexico criminal statutes impose felony penalties for bribes, gratuities, and kickbacks.
12. **THIS BID/AWARD IS CONTINGENT UPON AVAILABLE FUNDING.**

(terms)

rev 05/96

CAMPAIGN CONTRIBUTION DISCLOSURE FORM

Pursuant to the Procurement Code, Sections 13-1-28, et seq., NMSA 1978 and NMSA 1978, § 13-1-191.1 (2006), as amended by Laws of 2007, Chapter 234, any prospective contractor seeking to enter into a contract with any state agency or local public body **for professional services, a design and build project delivery system, or the design and installation of measures the primary purpose of which is to conserve natural resources** must file this form with that state agency or local public body. This form must be filed even if the contract qualifies as a small purchase or a sole source contract. The prospective contractor must disclose whether they, a family member or a representative of the prospective contractor has made a campaign contribution to an applicable public official of the state or a local public body during the two years prior to the date on which the contractor submits a proposal or, in the case of a sole source or small purchase contract, the two years prior to the date the contractor signs the contract, if the aggregate total of contributions given by the prospective contractor, a family member or a representative of the prospective contractor to the public official exceeds two hundred and fifty dollars (\$250) over the two year period.

Furthermore, the state agency or local public body may cancel a solicitation or proposed award for a proposed contract pursuant to Section 13-1-181 NMSA 1978 or a contract that is executed may be ratified or terminated pursuant to Section 13-1-182 NMSA 1978 of the Procurement Code if: 1) a prospective contractor, a family member of the prospective contractor, or a representative of the prospective contractor gives a campaign contribution or other thing of value to an applicable public official or the applicable public official's employees during the pendency of the procurement process or 2) a prospective contractor fails to submit a fully completed disclosure statement pursuant to the law.

The state agency or local public body that procures the services or items of tangible personal property shall indicate on the form the name or names of every applicable public official, if any, for which disclosure is required by a prospective contractor.

THIS FORM MUST BE INCLUDED IN THE REQUEST FOR PROPOSALS AND MUST BE FILED BY ANY PROSPECTIVE CONTRACTOR WHETHER OR NOT THEY, THEIR FAMILY MEMBER, OR THEIR REPRESENTATIVE HAS MADE ANY CONTRIBUTIONS SUBJECT TO DISCLOSURE.

The following definitions apply:

“Applicable public official” means a person elected to an office or a person appointed to complete a term of an elected office, who has the authority to award or influence the award of the contract for which the prospective contractor is submitting a competitive sealed proposal or who has the authority to negotiate a sole source or small purchase contract that may be awarded without submission of a sealed competitive proposal.

“Campaign Contribution” means a gift, subscription, loan, advance or deposit of money or other thing of value, including the estimated value of an in-kind contribution, that is made to or received by an applicable public official or any person authorized to raise, collect or expend contributions on that official's behalf for the purpose of electing the official to statewide or local office. “Campaign Contribution” includes the payment of a debt incurred in an election campaign, but does not include the value of services provided without compensation or unreimbursed travel or other personal expenses of individuals who volunteer a portion or all of their time on behalf of a candidate or political committee, nor does it include the administrative or solicitation expenses of a political committee that are paid by an organization that sponsors the committee.

“Family member” means spouse, father, mother, child, father-in-law, mother-in-law, daughter-in-law or son-in-law of (a) a prospective contractor, if the prospective contractor is a natural person; or (b) an owner of a prospective contractor.

“Pendency of the procurement process” means the time period commencing with the public notice of the request for proposals and ending with the award of the contract or the cancellation of the request for proposals.

“Prospective contractor” means a person or business that is subject to the competitive sealed proposal process set forth in the Procurement Code or is not required to submit a competitive sealed proposal because that person or business qualifies for a sole source or a small purchase contract.

“Representative of a prospective contractor” means an officer or director of a corporation, a member or manager of a limited liability corporation, a partner of a partnership or a trustee of a trust of the prospective contractor.

Name(s) of Applicable Public Official(s) if any: _____
(Completed by State Agency or Local Public Body)

DISCLOSURE OF CONTRIBUTIONS BY PROSPECTIVE CONTRACTOR:

Contribution Made By: _____

Relation to Prospective Contractor: _____

Date Contribution(s) Made: _____

Amount(s) of Contribution(s) _____

Nature of Contribution(s) _____

Purpose of Contribution(s) _____

(Attach extra pages if necessary)

Signature Date

Title (position)

-OR-
NO CONTRIBUTIONS IN THE AGGREGATE TOTAL OVER TWO HUNDRED FIFTY DOLLARS (\$250) WERE MADE to an applicable public official by me, a family member or representative.

Signature Date

Title (Position)

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

INTENT OF SPECIFICATIONS

It is the intent of these specifications to identify and clarify our bid to furnish Otero County with a complete apparatus equipped as hereinafter specified. Minor details of construction and materials where not otherwise specified are left to the discretion of the contractor, who will be solely responsible for the design and construction of all features. Dimensions listed are intended to be used as guidance for design/construction and should be adhered to when at all possible.

Reference to manufacturer's name brands is for reference only and equal or better items may be substituted. Any substitute shall be fully detailed and manufacturer literature of a substitute offered shall be provided as part of the specification for review by the department.

ALL exceptions to specifications shall be listed on a separate page for department review and tabbed separately in the bid proposal. This section shall be plainly listed as **EXCEPTIONS TO SPECIFICATIONS**. Failure to list substitutions and exceptions for ease of review by Otero County will be grounds for the department and/or the County to disqualify the bid.

MANUFACTURER INFORMATION

Bidder will supply a current contact list within their bid package of at least five (5) tanker type apparatus that they have constructed for departments within a 500 mile radius of the department. This list should include department name, department address, contact name, telephone number, email address, type of apparatus, and date of delivery.

YES___ NO___

Exception___

NFPA 1901

The National Fire Protection Association "Standard for Automotive Fire Apparatus, NFPA-1901 current Edition", is hereby adopted and made a part of these specifications, the same as if it were written out in full detail, with the exception of the section dealing with "Equipment Recommended for Various Types of Apparatus". **Vendor** will provide the equipment requested herein and the buyer shall supply the rest before the apparatus is put into service.

YES___ NO___ Exception___

SAFETY REQUIREMENTS

Vendor meets all State and Federal safety standards and laws that are in effect on the date of the bid for the item(s) that are being specified and the particular use for which they are meant.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

OPERATION AND SERVICE DOCUMENTATION

The documentation will address at least the inspection, service, and operations of the fire apparatus and all major components thereof. **Vendor** will also provide documentation of all items for the entire apparatus and each major operating system or major component of the apparatus:

Vendor will deliver with the apparatus all manufacturers operations and service documents supplied with components and equipment that are installed or supplied by **Vendor**.

YES ___ NO ___ Exception ___

MANUFACTURING LABELS

A permanent plate shall be mounted in a compartment specifying the quantity and type of the following fluids that may be used in the apparatus for normal maintenance. Where a fluid is not applicable to the unit, the plate shall be marked N/A to inform the service technician who may not be familiar with the apparatus.

- Engine oil
- Engine coolant
- Transmission fluid
- Pump transmission fluid
- Pump primer fluid
- Drive axle fluid
- Air conditioning refrigerant
- Power steering fluid
- Cab tilt mechanism fluid
- Transfer case fluid
- Equipment rack fluid
- Air compressor system lubricant
- Generator system lubricant
- Front tires air pressure
- Rear tires air pressure

YES ___ NO ___ Exception ___

NFPA-1901 REQUIRED LABELS

SEAT BELT SIGN: An accident prevention sign stating “**Danger Personnel Must Be Seated And Seat Belts Must Be Fastened While Vehicle Is In Motion Or Death or Serious Injury May Result.**” shall be visible from each seating position.

SEATING CAPACITY SIGN: A permanent sign shall be installed in the drivers compartment specifying the maximum number of personnel the vehicle is designed to carry (seating capacity) per NFPA standards. It shall be located in an area visible to the driver and shall read “**SEATING CAPACITY (2)**”.

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

ACCIDENT PREVENTION SIGN: An accident prevention sign stating "**Danger Do Not Ride On Rear Step While Vehicle Is In Motion, Death Or Serious Injury May Result**" shall be placed so it is visible from the rear step of the vehicle. A similar sign shall be placed on the top mount walkway.

SUCTION INLET SIGN: If an inlet located at the pump operator's position is valved, it shall be provided with a permanent label that states "**Warning Death Or Serious Injury Could Occur If Inlet Is Supplied By A Pressurized Source When The Valve Is Closed**".

OVERALL TRAVEL CLEARANCE PLATE: There shall be a travel clearance warning label located in the chassis cab. The travel clearance warning label to be located in easy view of the driver. The travel clearance warning label to include the following information: **Overall travel clearance height in feet and inches.**

YES___ NO___ Exception___

GVW SIGN: The contractor shall supply the final manufacturer's furnished certification of GVWR and GAWR on a nameplate affixed to the vehicle.

TYPE OF FUEL SIGN: A "**Diesel Fuel Only**" name tag shall be attached to fuel fill access door.

FINAL STAGE LABEL: A nameplate shall certify that the completed vehicle conforms to the motor vehicle safety standards previously certified by the chassis manufacturer and that the final stage Manufacturer has not altered the certification. All nameplates and instruction plates shall be metal or plastic with the information permanently engraved, stamped, or etched thereon.

Metal nameplates to be installed with plated screws. All nameplates are to be mounted in a conspicuous place.

YES___ NO___ Exception___

VEHICLE DATA RECORDER

NFPA-1901 (2009 Edition) 4.11: All apparatus shall be equipped with an on-board vehicle data recorder (VDR).

The VDR shall be capable of recording the data shown in the below shown Table 4.11.2 in that order at least once per second.

Vehicle Speed = in MPH

Acceleration (from Speedometer) = in MPH

Deceleration (from Speedometer) = in MPH

Engine Speed = in MPH

Engine Throttle = % of Full Throttle

Anti-Lock Braking System Event = On-Off

Seat Occupied Status = Occupied Yes/No by Position

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

Master Optical Warning Device Switch = On-Off

Time = 24 Hour Clock

Date = Year/Month/Day

Data shall be stored at the sampling rate in a 48 hour loop. The memory shall be sufficient to record 100 engine

hours' worth of minute-by-minute summary showing the data in the below table 4.11.4:

Maximum Vehicle Speed = in MPH

Maximum Acceleration (from Speedometer) = in MPH

Maximum Deceleration (from Speedometer) = in MPH

Maximum Engine Speed = in MPH

Maximum Engine Throttle = % of Full Throttle

Anti-Lock Braking System Event = On-Off

Seat Occupied with Seat Belt Unbuckled = Yes/No by Position at 30 Sec Into Minute

Master Optical Warning Device Switch = On-Off at 30 Sec Into Minute

Time = 24 Hour Clock

Date = Year/Month/Day

When the memory capacity is reached, the system shall erase the oldest data first. All VDR data stored must be uploadable by the user to a computer and importable into a data-management software package which shall be password protected with access controlled by the purchaser.

Software shall be provided with the apparatus that will run on both Windows and Apple operating systems and produce the following formatted reports from the uploaded data:

(1) Raw second-by-second data over a specified data/time range

(2) Daily log for the time the engine is running for a given date (minute by minute output of all values)

(3) Weekly summary (maximum values each hour for each day of the week)

(4) Monthly summary (maximum values each day for each day of the month)

YES___ NO___ Exception___

VEHICLE STABILITY

Rollover Stability: The apparatus shall meet the criteria defined in **NFPA-1901 (2009 Edition) 4.13.1.1**. The apparatus shall meet the criteria defined in the following:

The calculated or measured center of gravity (CG) shall be no higher than 80% of the rear axle track width.

YES___ NO___ Exception___

Compliance shall be certified by calculating or measuring the apparatus or by comparing the apparatus to a compliant, substantially similar example apparatus, and the certification shall be delivered with the fire apparatus.

YES___ NO___ Exception___

The example apparatus shall be considered substantially similar if it includes a chassis with the same or higher (CG) height, the same or narrower rear axle track width, the same

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

or greater water tank size and (CG) height, the same type of front and rear suspension, and the same type and size of aerial device (if provided).

YES___ NO___ Exception___

For purposes of 4.13.1.1, the apparatus shall be loaded with fuel, fire-fighting agents, hose, ladders, a weight of 250# in each seating position, and weight equivalent to the miscellaneous equipment allowance as in table 12.1.2 for a Pumper of 2,500# or Mobile Water Supply of 1,000#.

YES___ NO___ Exception___

If the apparatus is designed to meet a specific higher equipment loading or larger hose load bed capacity or to carry additional ground ladders, these greater loads shall be included in the calculating or measuring.

YES___ NO___ Exception___

The weight added to the fire apparatus for the purpose of calculating or measurement shall be distributed to approximate typical in-service use of the fire apparatus while not exceeding the manufacturer's published individual compartment weight ratings.

YES___ NO___ Exception___

TIRE PRESSURE DEVICE

NFPA-1901 (2009 Edition) 4.13.4: Each tire shall be equipped with a visual indicator or monitoring system that will indicate tire pressure.

YES___ NO___ Exception___

SEAT BELT WARNING DEVICE

NFPA-1901 (2009 Edition) 14.1.3.10: A seat belt warning device shall be provided. The warning device shall consist of an audible warning device that can be heard at all seating positions designated to be occupied while the vehicle is in motion and a visual display visible to the driver showing each seating position with green/red illumination. The warning system shall be activated anytime the parking brake is released or the automatic transmission is not in park. Seat position lights shall display in accordance with table 14.1.3.10.3 as shown below:

YES___ NO___ Exception___

DISPLAY SEAT BELT SEAT SENSOR

Green Buckled Senses Occupant

Red Buckled No Occupant

Red Unbuckled Senses Occupant

Dark Unbuckled No Occupant

YES___ NO___ Exception___

MANUFACTURER'S PRE-DELIVERY TEST

NFPA-1901 (2009 Edition) 16.13.9* Manufacturer's Pre-delivery Test: The manufacturer shall conduct a piping hydrostatic test prior to delivery of the apparatus. Results shall be provided. The test shall be conducted as follows:

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

- (1) The pump and its connected piping system shall be hydrostatically tested to a gauge pressure of 250 PSI
- (2) The hydrostatic test shall be conducted with the tank fill line valve, the bypass line valve if so equipped, and the tank-to-pump valve closed.
- (3) All discharge valves shall be open and the outlets capped.
- (4) All intake valves shall be closed, and nonvalved intakes shall be capped.

YES___ NO___ Exception___

APPARATUS WARRANTIES

GENERAL WARRANTY

A warranty must be furnished by **Vendor** and shall be stated similar to the verbiage that follows: We warrant each new piece of Fire Apparatus is to be free from defects in material and workmanship under normal use and service. The obligation under this warranty is limited to repairing or replacing, as the Company may elect, any part or parts thereof which will be returned to us with transportation charges prepaid and as to which examination will disclose to the Company's satisfaction to have been defective, provided that such part, or parts will be returned to us no later than one (1) year after delivery of covered apparatus. Such defective part or parts will be returned or replaced free of charge and without charge for installation to the original purchaser (Otero County).

This warranty will not apply to:

- 1. Normal maintenance services or adjustments.
- 2. To any vehicle which will have been repaired or altered outside of the factory in any way so as, in the vendors judgment, to affect it's stability, nor which has been subject to misuse, negligence, or accident, nor to any vehicle made by us which will have been operated to a speed exceeding the factory or NFPA rated speed, or loaded beyond the factory rated load capacity.
- 3. Commercial chassis and associated equipment furnished with chassis, signaling devices, generators, batteries, or other trade accessories as they are warranted separately by their respective manufacturers.

This warranty is in lieu of all other warranties, expressed or implied. All other representations as to the original purchaser and all other obligations or liabilities, including for incidental or consequential damage on the Company's behalf unless made in writing by the Company.

YES___ NO___ Exception___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

10 YEAR BODY & SUBFRAME WARRANTY

The manufacturer shall warrant each new fire body manufactured by it, if used in a normal and reasonable manner, against structural defects caused by defects in material, design or workmanship for a period of ten (10) years or 100,000 miles, the parts & labor to the original purchaser starting the day of final delivery.

YES___ NO___ Exception___

5 YEAR PAINT WARRANTY

The manufacturer shall warrant each new fire and rescue apparatus manufactured by it, if used in a normal and reasonable manner, against rust through, blistering, peeling or cracking of painted surfaces for a period of five (5) years or 50,000 miles, parts & labor to the original purchaser starting the day of final delivery. The manufacturer's obligation under this warranty is strictly limited to repairing or repainting, as the Company may elect any defective part.

YES___ NO___ Exception___

PUMP WARRANTY

HALE shall supply a five (5) year warranty to single owner, on the pump.

YES___ NO___ Exception___

TANK WARRANTY

Tank Vendor shall supply evidence of a "Lifetime" warranty on the water tank.

YES___ NO___ Exception___

APPARATUS CHASSIS

**2013 or newer PETERBILT TANDEM AXLE – P-348 2-DOOR CAB CHASSIS
(54,600#GVWR) (Vendors may submit same as or equal to chassis)**

YES___ NO___ Exception___

The cab shall be a conventional, fully enclosed, 2-door cab with the below detailed features.

SEATING

One (1) Individual, Driver's Seat, Air Ride with Dual Arm Rest & Suspension Cover
One (1) Individual, Officer's Seat, Air Ride with Dual Arm Rest & Suspension Cover
Seat Belts for All Positions shall be Red. All vinyl seats to be dark Gray in color.

YES___ NO___ Exception___

AIR CONDITIONING/HEATER/DEFROSTER

The cab shall have a factory installed air conditioner/heater/defroster

YES___ NO___ Exception___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

ENGINE

- Paccar PX-8 (Cummins) 2200 rpm governed speed
- 380 hp at 2000 rpm
- 1000 ft. lbs. of torque at 1400rpm
- 6-cylinder, 4-cycle
- Engine outfitted with an Exhaust Brake

YES___ NO___ Exception___

EXHAUST SYSTEM

The exhaust system including muffler shall meet engine manufacturer's recommendation. The exhaust pipe system and discharge outlet so located and shielded or insulated so as not to expose any portion of the apparatus accessories or other equipment to excessive heating.

YES___ NO___ Exception___

COOLING SYSTEM

Anti-freeze protection to -30 degrees F. without self-sealer additive
Horton "Drivemaster" fan drive with on/off switch
Cooling system shall be a pressurized system and be equipped with a coolant recovery system.

YES___ NO___ Exception___

TRANSMISSION

Allison World 3000EVS 5-speed automatic with Push-Button Control on the dash
Drive lines components shall comply with all road test specifications prescribed in the latest edition of NFPA Pumper Fire Apparatus.
An air-to-oil transmission oil cooler shall be provided.

YES___ NO___ Exception___

GVW

GVW (lbs) 54,600

YES___ NO___ Exception___

WHEELBASE/CAB-TO-AXLE

Intended Service: Fire Service Water Tender
Wheelbase (in): 226
Front Axle to BOC (in):69.8
Cab to Axle (in): 156.0
Cab to EOF (in): 244.0

YES___ NO___ Exception___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

FRAME

Rails: 10-5/8" x 5/16"
Section Modulus 14.80
RBM 1,776,000 Lbs.
Partial Frame Innerliner
Section Modulus 24.37
RBM 2,925,000 Lbs.
Two (2) Front Removable Tow Eyes

YES ___ NO ___ Exception ___

FRONT BUMPER

There shall be a single piece chrome front bumper.

YES ___ NO ___ Exception ___

AXLE, FRONT

Dana Spicer model E-1462I
14,600 lbs. capacity
14,600 lbs Taper leaf front springs w/Shocks
Sheppard M110P Power Steering Gear

YES ___ NO ___ Exception ___

FRONT TIRES/WHEELS (SINGLE)

Two (2) 12R22.5-16 Ply Bridgestone Highway Tread Tires shall be provided.
8.25 Polished Aluminum Wheels shall be provided.

YES ___ NO ___ Exception ___

TANDEM AXLE, REAR

Dana Spicer DSP40
40,000 lb. Capacity
5.57 Axle Ratio
40,000 lbs Multi-leaf springs with helpers

YES ___ NO ___ Exception ___

REAR TIRES/WHEELS (DUAL)

Eight (8) 11R22.5-14 Ply Bridgestone Deep Lug Tread Tires shall be provided.
8.25 Aluminum Wheels shall
be provided. (Outer Polished)

YES ___ NO ___ Exception ___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

BRAKES

Full air type, Paccar (Cummins) 18.7 CFM air compressor gear driven, vertically mounted, engine oil lubricated, water cooled, equipped with a type "D" or equal governor shall be provided.

Governor shall be set to cut out at 120 PSI. Air system shall be a complete and accurately designed system with two (2) air receivers (all easily removable) having a minimum storage of 3100 cubic inches. Drain valves with cables shall be installed on all air storage tanks.

Bendix AD-IP Heated Air Dryer to be provided. All the air brake lines shall be nylon. Brake performance shall comply with the Department of Transportation (DOT) stopping distance requirements and shall meet Federal Standard F.M.V.S. 121. ABS braking system shall be provided.

The service brakes shall be of the air over mechanical type. Each wheel shall be equipped with a separate integral brake chamber. A dual treadle valve shall split the braking power between the front and rear systems.

A failure in either of these separate systems shall result in only a partial loss of braking power. Additionally, modulated spring brakes shall be available to the driver, should a rear brake system failure occur, through the use of a spring brake control valve. Both front and rear brakes shall have integral shoes. All brakes shall be equipped with Haldex Dual automatic slack adjusters, accessible for ease of adjusting brakes.

Parking brake shall be air released, spring actuated, on non-steering axle only and shall automatically apply in case of air system failure. Service brakes and parking brakes shall operate independently.

Parking brakes shall be capable of positively holding the fully loaded apparatus on a 20% grade when the apparatus is performing any of its designated stationary functions.

YES___ NO___ Exception___

CAB CONTROLS

One ignition switch
One speedometer with odometer
One electronic tachometer
One voltmeter
One fuel gauge
One engine oil pressure gauge

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

- One engine coolant temperature gauge
- Dual air pressure gauge
- Low air pressure, low oil pressure, high engine temperature warning buzzers and red flasher lights
- Separate emergency warning devices for each hazardous system (oil, air, temperature)
- Devices shall not automatically kill engine
- One low engine coolant warning light
- One transmission temperature gauge
- One master switch (65 amp minimum amperage)
- One headlight switch
- One heater/defroster switch
- One air conditioning switch
- One running light switch
- One windshield wiper/washer switch
- One air restriction gauge
- One high beam indicator
- One turn signal with indicators and hazard switch

YES___ NO___ Exception___

ELECTRICAL

The alternator shall be a 270 amp.

YES___ NO___ Exception___

LIGHTING

Headlights shall be of the halogen sealed beam type with high and low beams.
The front directional turn signals and parking lights shall be amber in color, one (1) each side on the front of the cab, with switch for front and rear and an audible signal to indicate that turn signals are operating.

YES___ NO___ Exception___

One I.C.C. four-way flasher switch with pilot light shall be provided, mounted in the cab with-in easy reach of the apparatus driver.

YES___ NO___ Exception___

All Federal and State required standard markers, clearance lights and reflectors, etc. that are required on the cab shall be provided.

YES___ NO___ Exception___

SUN VISOR/CAB ICC LIGHTS

Five (5) Marker Lights on a Stainless Steel Sun Visor over windshield shall be provided.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

WIRING

All electrical wiring shall be stranded copper with thermoplastic insulation, sized for amp load and connected in accordance with A.S.M.E. standards. They shall be color coded as well as numbered. Wires shall not be spliced and shall extend from service point to use point or terminal blocks in such a manner as far removed from the exhaust and cylinders as good design will permit in order to be protected against heat, oil, and mechanical injury.

YES___ NO___ Exception___

FRONT END

Tilting hood and fenders with stainless steel grille shall be provided.

YES___ NO___ Exception___

FUEL TANK

100 U.S. Gallon Polished Round Aluminum Right Hand Tank, 20 gal. DEF tank

YES___ NO___ Exception___

MIRRORS

Two (2) heated & remote painted rectangular rear view mirrors, with 8" convex auxiliary mirrors and painted steel brackets are to be provided. A down view convex mirror shall also be provided on the right hand side.

YES___ NO___ Exception___

CHASSIS MISC

Self-canceling turn signals

Ember Separator

Electric passenger window with controls for the driver & officer (STD)

Peep Hole Window in Lower Front Corner of the Cab Passenger Door (STD)

Cruise Control

AM/FM/Weather band radio

Inside Sun Visor for Driver & Officer

Tilt & Telescoping Steering Column

Glove Box with Locking Latch

Electric Door Locks LH & RH

Intermittent Windshield Wipers

NFPA-1901 Contour Grab Handles by each door

Clear/Level frame rails

Unless otherwise specified, all chassis components to be chassis manufacturer's standard.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER
APPARATUS CHASSIS MODIFICATIONS

CHASSIS MODIFICATIONS

The fire apparatus manufacturer shall provide the following chassis modifications.

YES___ NO___ Exception___

CAB PAINT

The cab shall be painted single stage, non-metallic **red (Department will specify)**

YES___ NO___ Exception___

LOCK-UP EVS-3000

An electronic lock-up relay system shall be installed between the engine and transmission and the fire pump. The lock-up shall place the transmission into the 1:1 gear automatically for pump operations.

YES___ NO___ Exception___

FRONT & REAR MUD FLAPS

There shall be a pair of front and rear mud flaps installed at the rear of the fenders.

YES___ NO___ Exception___

TOW EYES

There shall (4) tow eyes total.

Two (2) tow eyes shall be provided by the chassis manufacturer or vendor in the front of the vehicle and attached to the frame rails.

Two (2) tow eyes shall be provided by the apparatus manufacturer in the rear of the vehicle and attached to the frame rails, one (1) on each side under the tailboard.

YES___ NO___ Exception___

KUSSMAUL AUTO CHARGE 1000

A system shall be provided that automatically charges the charges the chassis battery system.

YES___ NO___ Exception___

BATTERY CHARGER

The on-board automatic battery charger shall be provided and mounted on the front wall of the left hand front compartment to maintain the chassis battery system. The Auto Charge 1000 charger senses the batteries in the vehicle and recharges exactly as much as required.

When the batteries are fully charged, all charging will stop. The state of charge is indicated on a remotely located bar graph display (on the left hand pump panel) whenever power is applied to the vehicle. The battery saver contained in the Auto Charge 1000 charger is a three (3) Amp power supply with a relay to remove the accessory loads from the battery and connect them to the power supply when the charger is energized with A.C. power.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

This shall permit the charger to recharge the batteries without supplying the accessory load.

Input: 120 volts, 50/60 Hz, 3.5 Amps

Output: 12 VDC @ 15 Amps

Voltage Sense: Remote, Electronic

Battery Saver: Output Voltage: 12 VDC Output Current: 3 Amps

Bar Graph: Remotely located, indicates state of charge of batteries

YES ___ NO ___ Exception ___

KUSSMAUL AUTO-EJECT RECEPTACLE

There shall be a Kussmaul "Super Auto-Eject", 110 volt, 15 amp shoreline receptacle furnished and installed on the left hand pump panel. When the ignition switch is activated, the electrical current shall be interrupted before the plug is automatically ejected to prevent arcing. The plug for the receptacle shall be shipped loose to be installed on the shoreline cord.

YES ___ NO ___ Exception ___

ROCKER SWITCH PANEL

There shall be a **TST** push button switch panel located in the cab. The panel shall be mounted in a Jotto Desk Console in the center, between the driver and officer. All switches shall be provided with integral indicator lights and back-lit function labeling. Switches shall be provided for the "Master Warning", as well as all individual warning light switches.

YES ___ NO ___ Exception ___

CAB CONSOLE

A "Jotto-Desk" Console as large as possible will be provided in the cab between the front seats. The compartment will be fabricated & coated with a black crinkle finish. It shall encompass the siren, switch panel & pump control. The console shall incorporate the installation of up one (1) customer supplied Motorola PM-1500 mobile radio.

YES ___ NO ___

Exception ___

MASTER BATTERY SWITCH

A master battery on/off switch with shall be provided in the cab, near the driver's door.

YES ___ NO ___ Exception ___

BACK-UP ALARM

One (1) Back up Alarm 97 DB shall be provided and installed at the rear of the unit. It shall be wired to activate when the transmission is placed in reverse.

YES ___ NO ___ Exception ___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

BACK-UP CAMERA

One (1) Navicam 7200 with incorporated GPS shall be installed. One (1) 7" color display shall be mounted in the cab to be operated and seen by the driver.

YES___ NO___ Exception___

DUAL CHROME AIR HORNS

Dual 24" chrome air horns shall be provided and installed on the front fenders, (1) each side. They shall be controlled by the horn ring.

YES___ NO___ Exception___

UNDER HOOD LIGHT

One (1) under hood light with integral switch on the left hand side of the fire wall shall be provided and installed in an easy access area to light the engine compartment.

YES___ NO___ Exception___

HUB COVERS (FRONT & REAR)

Polished chrome hub and lug nut covers shall be provided and installed on the front & rear axles.

YES___ NO___ Exception___

STABILITY CONTROL SYSTEM

A BENDIX AB-6 STABILITY CONTROL SYSTEM SHALL BE INSTALLED (NO EXCEPTIONS)

YES___ NO___ Exception___

AIR TANK SUPPLY

A quick disconnect air shall be provided that allows for an external air compressor to be attached to the unit while in quarters.

YES___ NO___ Exception___

INTERIOR CAB LIGHTS

There will be one (1) large interior light that will be red in color for night time use as not to impair the night vision of the operator.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER
APPARATUS FIRE PUMP ASSEMBLY

HALE SINGLE STAGE MIDSHIP PUMP

The pump shall be a HALE 1250 GPM single stage mid-ship and comply with all applicable requirements of the latest standards for automotive fire apparatus of the (NFPA) National Fire Protection Association, and shall have a rated capacity of 1250 GPM at 4400 feet. The pump shall be free from objectionable pulsation and vibration under all normal operating conditions.

YES___ NO___ Exception___

PUMP BODY

The pump body shall be close-grained, gray iron and must be horizontally split in two sections for easy removal of the entire impeller shaft assembly. It shall be designed for complete servicing from the bottom of the truck without disturbing setting of the pump in the chassis or apparatus piping which is connected to the pump. Pump body halves shall be bolted together on a single horizontal face to minimize leakage and facilitate reassembly.

YES___ NO___ Exception___

DISCHARGE MANIFOLD

The discharge manifold shall be cast as an integral part of the pump body assembly and shall provide at least three full 3.5 inch openings for ultimate flexibility in providing various discharge outlets for maximum efficiency.

YES___ NO___ Exception___

WEAR RINGS

The wear rings shall be bronze, and shall be easily replaceable to restore original pump efficiency and eliminate the need for replacing the entire pump casing due to wear.

YES___ NO___ Exception___

IMPELLER SHAFT

The impeller shaft shall be stainless steel, accurately ground to size. The impeller shall be of two-piece construction separable between the pump and pump transmission to allow true separation of the transmission from the pump without disassembly of either component.

YES___ NO___ Exception___

ANTI-FRICTION BEARINGS

The impeller shaft shall be supported at each end by oil or grease lubricated anti-friction ball bearings for rigid and precise support. Bearings shall be protected from water and sediment by suitable seal housings, flinger rings, and oil seals. No sleeve type bearings shall be used.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

SEAL HOUSINGS

The seal housings shall be equipped with two-piece glands to permit adjustment or replacement of packing rings shall be located at inner ends of seal housings so that all rings of packing can be removed without removal of the lantern rings. Water shall be fed into seal housing lantern rings for proper lubrication and cooling when the pump is operating.

YES___ NO___ Exception___

PUMP SHIFT

The pump shift shall be pneumatically operated and shall use a standard automotive air valve to control a double-action, air-shift cylinder so that the pump shift remains in its latest position in the event air pressure loss.

YES___ NO___ Exception___

The in-cab control valve shall include a detent lock to prevent accidental shifting. It shall be located within easy reach of the driver.

YES___ NO___ Exception___

The pump shall meet and perform the following test.
100 % of rated capacity @ 150 PSI net pump pressure
100 % of rated capacity @ 165 PSI net pump pressure
70 % of rated capacity @ 200 PSI net pump pressure
50 % of rated capacity @ 250 PSI net pump pressure

YES___ NO___ Exception___

PUMP CERTIFICATION PLATE

A permanently affixed plate shall be installed at the pump operator's position that will provide the rated discharge and pressures together with speed of the engine as determined by the UL® certification test.

YES___ NO___ Exception___

PRIMER SYSTEM

The priming system shall include an electrically driven rotary vane priming pump rigidly attached to the pump transmission and activated by a mechanical/electrical valve with a single push-button control at the pump operator's panel. Valve actuation may be accomplished while the main pump is in operation, if necessary to assure a complete prime. This priming system shall be of the "Oil-Less" type and achieve vacuum as required by NFPA.

YES___ NO___ Exception___

SUCTION SIDE RELIEF VALVE

A stainless steel adjustable suction side relief valve shall be provided and installed on the pump. It shall be plumbed with male NST threads. A label shall be provided on or near the outlet stating: "Do Not Cap"

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

PRESSURE GOVERNOR and MONITORING DISPLAY

A (FRC) Fire Research "PumpBoss" model PBA400-A00 pressure governor and monitoring display kit shall be installed in the upper portion of the top mounted pump operator's panel. The kit shall include a control module, pressure sensor, and cables.

YES ___ NO ___ Exception ___

MASTER DRAIN

A Class-1 master drain valve shall be provided and installed at the lower section of the left hand pump operator's panel.

YES ___ NO ___ Exception ___

PUMP WARRANTY

The Hale pump shall have a five (5) year warranty.

YES ___ NO ___ Exception ___

PUMP PAINTING

The pump and plumbing shall be painted black prior to installing in the pump house.

YES ___ NO ___ Exception ___

PUMP INTAKE STRAINERS

The pump intake strainers shall be removable, die-cast zinc screens that are designed to provide cathodic protection for the pump, thus reducing corrosion in the pump.

YES ___ NO ___ Exception ___

6" STEAMER INLETS

Two (2) 6" non-gated steamer inlets shall be provided, (1) each side. Both inlets shall have long handle bright finish caps.

YES ___ NO ___ Exception ___

2.5" LEFT HAND SIDE AUXILIARY SUCTION

There shall be one (1) 2.5" Akron gated inlet provided and partially recessed on the left hand pump operator's panel. The inlet shall have 2.5" plumbing and terminate in a chrome plated female NST rocker lug swivel, equipped with removable strainer and chrome plug with chain. A 3/4" Class-1 quarter turn drain valve is provided and plumbed to the lower section of the panel. The valve shall be painted to match the cab.

The valve shall be controlled with a swing type handle located on the valve.

YES ___ NO ___ Exception ___

1.75" CROSSLAYS

Two (2) crosslay hose beds with punched-hole flooring shall be located above the pump compartment and each shall be designed for 200 feet of 1.75" hose. A Chicksan type swivel shall be provided on each to allow the attached hose to be used from either side of the vehicle. The crosslays shall have 2" Akron Brass valves and 2" plumbing and be controlled from the left hand side operators' panel with Class-1 push/pull locking chrome "T" handles. Control rods from the Class-1 handle to the valves shall be 3/4" hollow steel pipe for extra smooth operation. 2.5" gauges shall be supplied within 6" above each discharge handle for pressure reading.

YES ___ NO ___ Exception ___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

CROSSLAY COVER

An NFPA 1901 Red Vinyl hose cover shall be provided. It shall have a bungee cord type retention strap. NFPA positive retention devices shall be provided.

YES___ NO___ Exception___

2.5" LEFT SIDE DISCHARGES

There shall be two (2) 2.5" gated discharge outlets furnished on the left hand side pump panel. The discharges shall be plumbed with a 2.5" valves and 2.5" plumbing. The discharges shall terminate with 2.5" male NST threads. Each shall have a 2.5" chrome plated NST cap with chain.

The discharges shall be controlled from the left hand side operator's panel with Class 1 locking push/pull chrome "T" handles. 2.5" gauges shall be supplied within 6" above each discharge handle for pressure reading.

YES___ NO___ Exception___

2.5" RIGHT SIDE DISCHARGE

There shall be one (1) 2.5" gated discharge outlet furnished on the right hand side pump panel. The discharges shall be plumbed with a 2.5" valve and 2.5" plumbing. The discharge shall terminate with 2.5" male NST threads. Discharge shall have a 2.5" chrome plated NST cap with chain. The discharge shall be controlled from the left hand side operator's panel with a Class 1 locking push/pull chrome "T" handle. A 2.5" gauge shall be supplied within 6" above the discharge handle for pressure reading.

YES___ NO___ Exception___

LARGE DIAMETER RIGHT SIDE DISCHARGE

There shall be one (1) 3" gated discharge located on the right hand side panel. The discharges shall be plumbed with a 3" valve and 3" plumbing. The discharge shall terminate with 3" male NST threads and a 4" Stortz adapter. Valve shall be controlled from the left hand side operator's panel using a slow open / slow close hand operated crank. A 2.5" gauge shall be supplied within 6" above the discharge handle for pressure reading.

YES___ NO___ Exception___

REAR DISCHARGE BOOSTER REEL

Electric rewind booster reel with one side roller guide. Supplied with 1" non-collapsible fire hose. Total length on hose reel will be 150'. The hose reel is to be placed in the center rear compartment

YES___ NO___ Exception___

TANK TO PUMP VALVE

There shall be a 4" Akron valve with flexible hose plumbing and check valve connected from the tank to the pump. The tank to pump valve shall be controlled from the left hand side operator's panel with an electric actuator with Open/Close indicator lights.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

TANK FILL VALVE

One (1) 2.5" tank fill/re-circulating line from the pump direct into the booster tank shall be supplied. The 2.5" valve shall be Akron Brass, controlled from the left hand side operator's panel with a Class-1 push/pull locking chrome "T" handle. The control rod from the Class-1 handle to the valve shall be a 3/4" hollow steel pipe for extra smooth operation.

YES___ NO___ Exception___

PLUMBING SPECIFICATIONS

All suction and discharge lines of 2" or larger shall have heavy duty galvanized steel threaded pipe and/or Class-1 high pressure hose. Where vibration or chassis flexing may damage or loosen piping, the pipe shall be equipped with victaulic or rubber couplings. The entire discharge and intake piping system, valves, drain cocks and lines, intake and outlet closures, excluding the tank fill and tank to pump lines on the tank side of the valves, shall be designed for 500 PSIG.

All lines 1-1/2" and larger shall have individual 3/4" Class-1 quarter turn drain valves that shall be

extended to drain below chassis frame. All water carrying gauge lines shall be flexible polypropylene tubing to prevent breakage from vibration.

YES___ NO___ Exception___

APPARATUS PUMP HOUSE ENCLOSURE & MOUNTING

INDEPENDENT FIRE PUMP MOUNTING

The fire pump shall be mounted within a separate body module that is not directly connected to the apparatus body. This module shall be mounted to the frame in four locations and in such a manner as to reduce the likelihood of a collision causing the pump casing to crack. These shall be bolted to the chassis rails with 3/4" grade 8 fasteners.

YES___ NO___ Exception___

The four (4) points where the pump module is mounted to the frame shall be reinforced appropriately to carry the expected load for the life of the apparatus. Plumbing as well as the pump shall be integral with the pump module as much as possible to facilitate the changing of the chassis should the apparatus be involved in a collision. This arrangement shall allow for removal of the entire pump and pump compartment for service without involving the main body. (No Exceptions)

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

The fire pump shall be mounted on two structural steel angles approximately 4.00" x 8.00" x 3/8", which are bolted to 3" x 7" x 3/8" main pump sub-frame angles. These shall be bolted to the chassis rails with 3/4" grade 8 fasteners.

YES___ NO___ Exception___

The pump compartment shall be constructed of 3' X 3" aluminum extrusions to reduce the likelihood of corrosion and reduce weight. It shall be approximately 40" in width and be a modular type design.

YES___ NO___ Exception___

The pump compartment shall be self-supporting with its own sub-structure mounted on four mounts fastened to angle brackets mounted to pump. The pump compartment shall not be integral to the body.

YES___ NO___ Exception___

The pump fittings and plumbing shall be primed and painted prior to installing on the frame rails.

YES___ NO___ Exception___

LEFT HAND OPERATORS PANEL

All pump controls and gauges shall be located at left side of apparatus and properly labeled. All push-pull control handles shall have the twist-lock feature with a minimum 1/2" steel rod. All side discharges shall have the control and individual gauge mounted within 6" of the discharge. All other discharges shall have the individual gauge placed within 6" of the control. The central midpoint or center line of any control shall be no more than 72" (1830 mm) vertically above the ground or platform that is designed to serve as the operator's standing position. No gauge or display shall be more than 84" above the level where the operator stands to read the instrument.

All nameplates for discharges, suction, controls and gauges shall be color coded and be of a type permanent in nature, securely attached, and capable of withstanding the effects of extremes of weather and temperature. All labels and markings shall comply with NFPA 1901.

YES___ NO___ Exception___

All gauges and instruments shall be mounted and attached so they are protected from accidental damage and excessive vibration. Brushed stainless steel trim collars shall be installed around all suction inlets and discharge outlets for a pleasing appearance.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

DUNNAGE AREA

A dunnage area shall be provided over the pump, behind the crosslays. It shall have four (4) walls and a floor. The outer walls shall be aluminum treadplate where the front and rear walls will be smooth aluminum. The top shall be open.

YES ___ NO ___ Exception ___

LEFT SIDE PANEL

The left side pump panel shall be fabricated from 12 gauge brushed stainless steel. The left side pump panel shall be illuminated by four (4) Weldon model 2030-7100 lights equipped with a full length brushed stainless steel shield. One (1) pump panel light shall be activated when the pump is engaged as per NFPA, the remaining lights shall be activated by a push/pull light switch located on the left hand pump operator's panel.

YES ___ NO ___ Exception ___

The upper 10" of the full width panel shall have two (2) vertically hinged access doors, with two (2) chrome "push-button" latches to allow for easy access to the pump house.

YES ___ NO ___ Exception ___

RIGHT SIDE PANEL

The right side pump panel shall be fabricated from 12 gauge brushed stainless steel. The right side pump panel shall be illuminated by four (4) Weldon model 2030-7100 lights equipped with a full length brushed stainless steel shield. The lights shall be activated by a push/pull light switch located on the left hand pump operator's pump panel.

The upper 20" of the full width panel shall have two (2) vertically hinged access doors, with two (2) chrome "push-button" latches to allow for easy access to the pump house.

YES ___ NO ___ Exception ___

PUMP GAUGES

All gauges shall be from the same manufacturer and liquid filled to keep the dial from pulsating and to prevent condensation from forming inside the gauges. The master suction (inlet) gauge provided shall be from -30 to 400 PSI. Each individual discharge gauge provided shall be from 0 to 400 PSI.

Two (2) 4.5" Master Gauges (Suction & Pressure)

One (1) 2.5" discharge gauge for each 1.5" or larger discharge

Note: All 2.5" gauges will have color coded labels to match the control handle labels.

YES ___ NO ___ Exception ___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

WATER TANK LEVEL GAUGES

There shall be three (3) water level gauges furnished and installed.

- One (1) FRC mini pressure transducer type with 180 degree read-out LED gauge shall be visible from inside the cab at the drivers position.
- One (1) FRC pressure transducer type with 180 degree read-out LED gauge shall be visible from the upper portion of the left hand side pump operators' panel.
- One (1) FRC pressure transducer type with 180 degree read-out LED gauge shall be visible from Left Rear of apparatus body

YES___ NO___ Exception___

ENGINE COOLER

An auxiliary heat exchanger shall be provided for added engine cooling during pump operation. The auxiliary engine cooler shall be mounted directly behind the radiator tank and use water from the fire pump during pumping operation. The radiator plumbing shall include a drain cock for coolant evacuation. The control valve for the heat exchanger shall be located on the pump operator's panel, and shall be a Class-1 quarter turn ball valve with chrome plated handle with an "Auxiliary Cooler" identification tag recessed into the face of the handle.

YES___ NO___ Exception___

PUMP COOLER

The pump shall have a bypass cooler line installed from the discharge side of the pump to the water tank to cool the pump during sustained period of operation, when water is not being discharged. The pump cooler control valve, located on the left hand side pump operator's panel, shall be a Class-1 quarter turn ball valve with chrome plated handle with "Pump By-Pass" identification tag recessed into the face of the handle.

YES___ NO___ Exception___

U.L. TEST POINTS

Two (2) chrome U.L. test plugs shall be mounted on the left hand pump operator's panel for testing of vacuum and pressure during the performance test.

YES___ NO___ Exception___

PUMP HOUSE LIGHT

One (1) light with integral switch shall be provided and installed in the pump house behind the left hand side access doors.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER
WETSIDe POLY TANK

WATER TANK

The tank shall be a "Wetside" "T" tank design, 3000 gallons in capacity. The tank shall have 1/2" thick floor, 3/4' sidewalls and top. The interior baffles shall be 1/2" thick. The tank exterior shall have a 20 mil thick orthothalic gel coat finish. The tank shall be constructed of a minimum of 1/2" thick sheet stock.

YES___ NO___ Exception___

This material shall be non-corrosive stress relieved thermoplastic, black in color and U.V. stabilized, for maximum protection. The tank shall be of a special configuration and is so designed to be completely independent of the body and compartments. All exterior tank joints and seems shall be tested for maximum strength and integrity. The top of the tank is fitted with removable lifting eyes designed with a 3 to 1 safety factor to facilitate easy removability. The transverse and longitudinal swash partitions shall be manufactured of polypropylene material.

YES___ NO___ Exception___

All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow and meet NFPA rules. All swash partitions interlock with one another and are welded to each other as well as to the walls and floor of the tank.

YES___ NO___ Exception___

BAFFLES: The tank shall be provided with proper splash baffles according to the latest edition of NFPA Pamphlet 1901. All baffles shall be installed using a unique method of inter-locking.

YES___ NO___ Exception___

MOUNTING: There shall be a heavy duty rubber cushion between the tank sub frame and the tank to absorb road shock and normal chassis torsion.

YES___ NO___ Exception___

Overflow 6" w/vent: The fill tower shall be 12" x 12" with a hinged cover that shall open if the tank is filled at an excessive rate. There shall be a 6" overflow that will discharge underneath the tank, behind the rear wheels.

YES___ NO___ Exception___

The overflow shall terminate 6" above the tank. A screen shall be in the fill tower to prevent objects from falling into the tank. The fill tower shall be located in the left front of the hose bed.

YES___ NO___ Exception___

SUMP: The sump shall be 8" x 8". It shall be located inline with the tank to pump valve, providing a straight line for the suction. There shall be an anti-swirl baffle plate attached on the top side.

YES___ NO___ Exception___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

OUTLETS: In addition to the tank suction valve outlet located in the sump, there shall be an outlet provided for the tank fill valve.

YES___ NO___ Exception___

TANK COLOR

The tank shall be painted to match the cab

YES___ NO___ Exception___

TANK WARRANTY

The tank shall have a "Lifetime" warranty provided by the tank manufacturer.

YES___ NO___ Exception___

REAR DUMP VALVES ELECTRIC

There shall be Three (3) 10" stainless dump valves mounted on the rear portion of the tank as low as possible to achieve 100% dump efficiency on level ground. (Electric Actuation with cab and rear controls)

YES___ NO___ Exception___

The dump valves shall be installed in the following locations.

- One (1) on the left hand rear.
- One (1) at the right hand rear.
- One (1) at the center rear of the tank.

YES___ NO___ Exception___

REAR DIRECT TANK FILLS

There shall be one (1) external 2.5" direct tank fill port furnished on the rear of the apparatus, drivers side. This tank fill shall have a 2.5" Akron Brass valve with built-in 30 degree elbow and manual swing type control handles located on the valve. The valve shall be painted to match the tank. A chrome plug and chain shall be supplied and installed on the valve.

YES___ NO___ Exception___

There shall be one (1) external 4" direct tank fill port furnished on the rear of the apparatus, passengers side. This tank fill shall have a 4" slow open / slow close valve with hand crank wheel, built-in 30 degree elbow and 4" Stortz adapter.

YES___ NO___ Exception___

HOSE BODY

Hose bed shall be made entirely of 1/2" and 3/4" poly material, free from all sharp objects such as bolts, nuts, etc., to avoid damage to fire hose. Body shall be black in color, with a UV rating. The raised black poly hose bed flooring shall be provided to allow ventilation under the hose in the hose bed area. Approximately 65 cubic feet of hose bed capacity is provided.

YES___ NO___ Exception___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

HOSEBED COVER

The hose bed shall a 16 oz. heavy-duty hypalon cover. This cover shall have bungee cords with stainless hooks down each side. A flap shall be provided at the rear and held in place with three (3) 1.5" quick release nylon straps. A stainless steel trim plate will be provided at the top of the tank at the hose bed height to prevent scuffing of the paint. COLOR SHALL BE RED.

YES___ NO___ Exception___

BODY SUB-STRUCTURE

BODY SUB-STRUCTURE

Body and compartment sub structure will be an all welded steel structure, and bolted to chassis frame. Ultimate strength will be accomplished with 1-1/2" x 3" x 3/16" structural channel members extended across chassis frame.

YES___ NO___ Exception___

In addition, there will be 1-1/2" x 3" x 3/16" structural channel connecting the front and rear sub structure transverse members for additional strength and to form a full perimeter base for supporting the booster tank. Hangers and brackets will be reinforced at all corners with gussets to prevent potential sag and warp over an extended period of fire service operations.

YES___ NO___ Exception___

The sub-structure will be coated with either Linex, Rhino Liner, or a polyurethane type material.

YES___ NO___ Exception___

Substructures that are just primed and painted will not be permitted. (No Exceptions)

YES___ NO___ Exception___

The tank frame and compartment sub-assembly will be supported by using two 4" X 8" structural steel longitudinal support members.

YES___ NO___ Exception___

There will be a minimum of two (2) 2" X 4" structural steel tubes affixed to the sub-assembly to for the compartment downriggers. Each compartment will be supported 3" X 3" steel angle with corner gussets.

YES___ NO___ Exception___

A minimum of twelve (12) 3/4" Grade 8 bolts will attach the compartment sub-assembly to the vehicle chassis.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

The tank cradle, compartment sub-assembly will be continuously welded to form an unprecedented body support system.

YES___ NO___ Exception___

Body sub-assemblies that are affixed to the apparatus utilizing "U" bolts will not be permitted. (No Exceptions)

YES___ NO___ Exception___

Tank support assemblies and/or cradles that are made of a solid sheet of steel will not be considered due to the inability to fully shed moisture. This design will allow moisture to accumulate which will lead to corrosion and failure due to the lack of air space and ventilation.

YES___ NO___ Exception___

APPARATUS BODY CONSTRUCTION

BODY CONSTRUCTION

The body compartments shall be fabricated entirely of extruded aluminum and aluminum sheet.

YES___ NO___ Exception___

Each compartment shall be 100% welded on all exterior seams with MIG spot welds on the rear and interior seams for maximum strength. All major structural mounting bolts shall be grade five type, with locking style nuts. All 1/4" or smaller mounting bolts, nuts and trim screws used in body construction shall be of stainless steel construction for rust prevention and a lasting appearance while providing maximum strength.

YES___ NO___ Exception___

All fasteners shall be removed easily with standard tools. Wherever possible, all fasteners shall have locking style nuts or shall be threaded into panel and locked by an acorn nut, to eliminate loosening fasteners. All screws that do not have locking nuts shall have threads coated with lock-tite.

YES___ NO___ Exception___

Acorn nuts shall be used throughout the body to prevent the possibility of snags and injuries, including fasteners, which protrude into compartments and hose bed.

YES___ NO___ Exception___

**ALAMO WEST FIRE DEPARTMENT
3000 GALLON PUMPER/TANKER**

APPARATUS COMPARTMENTATION

COMPARTMENTATION

The following compartments shall be fabricated from **3003 aluminum diamond plate**.

YES___ NO___ Exception___

Left Side #1: Street Side, rear of pump house

Size: 54" wide x 34" high x 27" deep

Type door: One (1) Gortite natural aluminum roll-up door.

YES___ NO___ Exception___

Left Side #2: Street Side, rearward of axle (3.1 Cubic Feet of Storage Space.)

Size: 14" wide x 16" high x 24" deep

Door Opening: 12" wide x 14" high (No Exception)

Type door: **One (1) Vertically Hinged Double Pan Aluminum door, painted to match cab.**

YES___ NO___ Exception___

Right Side #1: Curb Side, rear of pump house

Size: 54" wide x 34" high x 27" deep

Type door: One (1) Gortite natural aluminum roll-up door.

YES___ NO___ Exception___

Right Side #2: Curb Side, rearward of axle (3.1 Cubic Feet of Storage Space.)

Size: 14" wide x 16" high x 24" deep

Door Opening: 12" wide x 14" high (No Exception)

Type door: **One (1) Vertically Hinged Double Pan Aluminum door, painted to match cab.**

YES___ NO___ Exception___

CENTER REAR

Size: 46" wide x 14" high x 12" deep

Type door: No Door – Open

YES___ NO___ Exception___

SWEEP-OUT CONSTRUCTION

All side body compartments shall have sweep out type floors. All compartments shall be made to the largest practical dimensions to provide maximum storage capacity for fire department equipment. All dimensions are plus/minus 2". All compartments shall have aluminum vents on the top rear wall of the compartment.

YES___ NO___ Exception___

An aluminum cover shall be provided and installed on the outside of the compartment to shield water from entering the compartment at the vent area.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

ROLL UP DOOR CONSTRUCTION

Each exterior front enclosed compartment [L1/R1] shall have a Gore-Tite brand roll up door installed. The roll up doors are constructed from natural finished anodized aluminum extruded slats, which have a flexible seal between each slat for proper sealing of the door. Each door shall be equipped with a latch type stainless steel bar lift mechanism, which latches at the bottom of the door mounting extrusion.

YES___ NO___ Exception___

"WATER DAM" DOOR SEALS

Each compartment that is equipped with a rollup door shall have a "Water Dam" sill installed in the bottom of the compartment to reduce water and other liquids from entering the compartments. The door sill shall act as a scuff plate to reduce paint damage from equipment.

YES___ NO___ Exception___

DOOR FRAME CONSTRUCTION (Where applicable)

Door edges and doorframes shall be constructed of aluminum. All doorframes shall be welded to the exterior sheets and to the side structure channels.

YES___ NO___ Exception___

DOUBLE PAN DOOR CONSTRUCTION (Where applicable)

Each vertically hinged exterior compartment shall have an aluminum fabricated double pan door installed. Each door shall be fabricated utilizing a combination of aluminum extrusions and aluminum sheet. The door shall be affixed to the apparatus utilizing a continuous stainless steel piano hinge with a 1/4" pin. The outer panel shall match the apparatus body and shall be permanently attached to the aluminum extrusions. The inner door shall be diamondplate aluminum and shall be easily removed to access the door latching mechanism.

Each door shall be equipped with a dual latching mechanism with a "D" ring style door handle that is designed for easy operation by a gloved hand. A solid rod shall connect the operator to the latches.

YES___ NO___ Exception___

Each vertically hinged door shall have a Cleveland style spring holding device. The device shall hold the door open when 50 % opening is achieved and shall assist the door to a closed position when the door is less than 50 %.

YES___ NO___ Exception___

Each horizontally hinged door shall be held open by two gas shock style devices specifically matched to the size of the door.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

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REAR FENDERS

Two (2) single style 3/16" aluminum treadplate fender assemblies shall be included on each side of the vehicle over the rear wheels of the single axle. (No Exception)
Reinforcements shall be provided at the rear and center areas to reduce movement during truck operation. Black rubber fenderettes shall be provided and installed around each wheel well.

YES___ NO___ Exception___

(4) SINGLE SCBA BOTTLE STORAGE COMPARTMENTS

A total of **Four (4) SCBA bottle compartments** shall be installed on the vehicle. Two (2) shall be provided on the left and right side in the rear wheel well area. One in front and one behind the axles on each side. Each compartment will be constructed from aluminum. Each compartment shall have a brushed aluminum or treadplate access door with stainless steel hinge and a chrome "push-button" positive latch. Rubber matting shall be provided on lower portion and rear wall of each compartment. Automotive bulb rubber shall outline the inner surface on the access door.

YES___ NO___ Exception___

RUNNING BOARDS

Running boards shall be fabricated of 3/16" NFPA-1901 compliant **FTQ** treadbrite aluminum. It shall be supported by the structural steel sub-frame. (No Exception) The running boards when apparatus is fully loaded shall have a maximum ground clearance of 24" when sitting on a level surface.

YES___ NO___ Exception___

They shall be flanged down to provide added strength and rigidity and to prevent cutting of hands while washing the apparatus.

YES___ NO___ Exception___

REAR TAILBOARD

Rear step shall be constructed of 3/16" NFPA-1901 compliant **FTQ** treadbrite aluminum supported by the structural steel sub-frame. (No Exception) The running boards when apparatus is fully loaded shall have a maximum ground clearance of 24" when sitting on a level surface. The tailboard shall be flanged down to provide added strength and rigidity and to prevent cutting of hands while washing the apparatus. Rear step shall be spaced away from body a minimum of 1/4".

YES___ NO___ Exception___

The rear step shall be 12.5" deep and run the entire width of the apparatus.

YES___ NO___ Exception___

REAR INTERMEDIATE STEP

Rear intermediate step shall be constructed of 3/16" NFPA-1901 compliant **FTQ** treadbrite aluminum. It shall be affixed between the top edge of the tank and the rear direct intake valves on the rear of the tank. Step shall be wide as possible on the rear of the apparatus tank.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

ALUMINUM RUB RAIL

Protective rub rails shall be provided on each side of the apparatus, along the lower edges of the body below the compartment doors. The rub rails shall be fabricated of 3" aluminum "C" channel extrusion with a natural finish. The rub rails shall be attached to the body with stainless steel bolts and shall protrude beyond the outer surface of the apparatus body to protect it while loading and unloading firefighting equipment.

YES___ NO___ Exception___

The center of the rub rail shall have reflective stripe that runs the length to enhance the safety while operating on and around the apparatus by increasing the visibility.

YES___ NO___ Exception___

ACCESS STEPS

The following areas shall have steps installed;

- Three (3) chrome folding steps (and/or Aluminum "Grip-Strut") on the left rear of the vehicle.
- Three (3) chrome folding steps (and/or Aluminum "Grip-Strut") on the right rear of the vehicle.

YES___ NO___ Exception___

HANDRAILS

All handrails used on apparatus shall be 1-1/4" diameter "knurled" extruded aluminum supported at each end by a chrome plated stanchion. All rails shall be designed and mounted to reduce the possibility of hand slippage and to avoid snagging of hose, equipment, or clothing. Drain holes shall be provided in the bottom of all vertically mounted assist handles.

YES___ NO___ Exception___

Handrails shall be installed in the following locations:

- Two (2) 24" vertical handrails, (one each side) at the rear

YES___ NO___ Exception___

"EZ" LOAD FOLDING TANK RACK

A "EZ" Load folding tank storage rack shall be fabricated above the right side of the unit above the compartments and wheel well area. It shall be large enough to transport a **3000** gallon folding tank. The storage area shall be designed to reduce the likelihood of injury to firefighters when loading and unloading.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT

3000 GALLON PUMPER/TANKER

FOLDING TANK

Vehicle will be provided with a **3000** gallon aluminum folding tank. The tank must have easy lift handles.

YES ___ NO ___ Exception ___

HARD SUCTION HOSE STORAGE

Two (2) smooth natural aluminum trays shall be provided and mounted on the left side of the apparatus, in the hose bed, with aluminum mounting brackets. Each hose tray shall have the capacity for one (1) suction hose each to be secured to the trays by two (2) Velcro straps on each tray.

YES ___ NO ___ Exception ___

HARD SUCTION

The vehicle shall be equipped with two (2) 10' sections of lightweight 6" PVC flexible suction hose, coupled with Hard Coat aluminum 6" LHFNST x 6" MRLNST .

YES ___ NO ___ Exception ___

YES ___ NO ___ Exception ___

YES ___ NO ___ Exception ___

MISC. FASTNERS

A bag on stainless steel nuts, bolts, screws and washers will be provided and shipped loose.

YES ___ NO ___ Exception ___

12 VOLT ELECTRICAL SYSTEM

ELECTRICAL STANDARDS

All wiring and electrical equipment shall meet NFPA-1901 (CURRENT edition) and SAE standards. All lighting and reflectors shall meet Federal Motor Vehicle Standards.

Illumination shall be provided for controls switches, essential instructions, gauges, and instruments necessary for the operation of the apparatus and the equipment provided on it.

Where external illumination is provided, it shall be a minimum of 5 foot-candles on the face of the device.

YES ___ NO ___ Exception ___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

Where external illumination is provided, it shall be a minimum of 4 foot lamberts. Hydraulic lines, air system tubing, control cables, and electrical lines shall be clipped to the frame or body structure of the apparatus and shall be furnished with protective heat looms and/or grommets at each point where they pass through body panels or structural members. Where any through-the-frame connector is provided, any such connector and wiring shall also be protected from shear or tear.

YES___ NO___ Exception___

Note: All accessory wiring on the water tank shall be run through conduit inside the tank. (No Exception)

YES___ NO___ Exception___

Wiring shall be provided with properly rated low voltage over current automatic resetting protective devices.

(The headlight circuit breaker shall be of the automatic reset frier type). Such devices shall be readily accessible and protected against excessive heat, damage and water spray. Switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected.

YES___ NO___ Exception___

Electromagnetic interference suppression shall be in accordance with SAE J551, performance levels and methods of measurement of electromagnetic radiation from vehicles and devices (30-1000 MHZ).

YES___ NO___ Exception___

All relays and circuit breakers shall be "plug in" type for easy replacement. All components shall be protected against corrosion, heat, vibration and moisture. The relay panel shall be recessed in the rear wall of compartment L1 and have an easily removable, aluminum cover.

YES___ NO___ Exception___

LOAD MANAGEMENT SYSTEM (LMS)

A Custom TST Load Manager shall be provided and installed on the vehicle. The Load Manager is designed to meet and exceed all the requirements of NFPA 1901. The system shall sequence a minimum of eight (8) loads.

YES___ NO___ Exception___

Load shedding is accomplished in two zones; one (1) zone for lights that may be shed when on the road and the other for lights that may be shed at the scene. Selection of shedding modes is through the parking brake switch or the neutral safety switch.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

A high voltage detector shall be provided to detect when the sensed voltage exceeds 15 volts. High voltage, low voltage and load shedding set points are individually field adjustable. Load shedding priority is determined by the wiring connections to the Load Manager.

YES___ NO___ Exception___

A LED read out shall be provided and installed in the cab in clear view of the driver to access the function of the Load Manager. A switch shall be provided to shut off the load manager in case of an emergency.

YES___ NO___ Exception___

DOT LIGHTING

There shall be seven (7) lights located on the rear of the vehicle. Three (3) of the lights shall be LED recessed in the center of the tailboard area and (1) LED recessed each side for use as identification lamps. Two (2) lights shall be provided on top stanchions, located as high and wide as possible, one (1) each side, for use as clearance lamps. All required reflectors shall be bolted onto body.

YES___ NO___ Exception___

LED TAIL LIGHTS

The two (2) tail/turn/brake lights shall be red LED. The two (2) back-up lights shall be clear LED. There shall be one (1) set of two mounted vertically each side on rear face of body.

YES___ NO___ Exception___

COMPARTMENT LIGHTING

LED compartment lights shall be provided, (1) in each front enclosed compartment, including any and all special compartments provided with a minimum of 4 cubic feet.

YES___ NO___ Exception___

DOOR OPEN HAZARD LIGHT

There shall be a flashing red light located on the cab dash in clear view of the driver. This light shall be illuminated automatically whenever any passenger or equipment compartment door is open. The light shall be marked "Do Not Move Apparatus When Light Is On".

YES___ NO___ Exception___

LICENSE PLATE LIGHT

A license plate bracket with light shall be provided and installed on the left hand rear of the body. It shall be wired to come on with the headlights.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

UNDERBODY/CAB GROUND LIGHTS

Six (6) Truck-Lite 4" clear ground illumination lights, with outward facing angle brackets shall be provided and installed. Two (2) shall be located under the cab doors, two (2) shall be located to light the side running board area and two (2) shall be located to light the rear tailboard area. The lights shall activate with the parking brake.

YES___ NO___ Exception___

AUDIBLE & VISUAL WARNING EQUIPMENT

EMERGENCY LIGHTING

Emergency lighting shall consist of:

One (1) Whelen FN55VLED LFL Liberty 55" long NFPA-1901 approved LED lightbar with Permanent Mounts shall be provided and installed on the cab roof. It will have sixteen (16) LED red lights. They shall be located ten across the front and three on each end. The lightbar shall have clear domes.

YES___ NO___ Exception___

Lower:

Eight (8) Whelen 600 Series SUPER LED ROTA-BEAM lights mounted in chrome housings shall be provided and installed as follows:

- Two (2) in chassis grille (one each side)
- Two (2) to the front/side of the in the front fenders (one each side)
- Two (2) in the rear wheel well area (one each side)
- Two (2) rear facing near the tail light assembly (one each side)

The lights color shall be: Red

The lens color shall be: Clear

All six (8) lights shall be controlled by a switch on the console.

YES___ NO___ Exception___

Upper:

Two (2) Whelen model L31 LED beacons shall be provided and installed at the upper rear corners of the apparatus.

Driver's Side- Red in Color

Passenger's Side-Amber in Color

Both Beacons shall be controlled by a switch on the console.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

Six (6) WHELEN 900 Series 9" x 7" SUPER LED warning lights shall be mounted on the tank, in CAST aluminum bezels. The lights shall be mounted in the following locations:

Two (2) Drivers side, one (1) each corner
Two (2) Passengers side, (1) each corner
Two (2) Rear, (1) each corner.

The lights color shall be: Red

The lens color shall be: Clear

All six (6) lights shall be controlled by a switch on the console.

YES___ NO___ Exception___

SIREN

One (1) Whelen 295SL100 series sirens, full function hands-free siren shall be furnished and installed in the "Jotto-Desk" between the driver & officer. It shall have the following options: Hard Wired Microphone, 17 Scan-Lock Siren Tones, Public Address, Air Horn and Hands Free Operation. The hard wired noise canceling microphone shall be installed on the dash within easy reach of the driver or officer.

YES___ NO___ Exception___

SIREN SPEAKERS

There shall be one (1) Cast Products 100 watt cast aluminum siren speaker furnished with a polished trim ring and recessed in the left/right hand side of the front bumper.

YES___ NO___ Exception___

SCENE LIGHTS

Six (6) WHELEN model 900 Series Super-LED Lighthead 9SC0ENZ 9" x 7" LED scene lights shall be mounted on the tank, in CAST aluminum bezels. The lights shall be mounted in the following locations:

Two (2) Drivers side, one (1) each corner
Two (2) Passengers side, one (1) each corner
Two (2) Rear, one(1) each corner.

Each side shall be controlled by a separate switch on the console.

The two (2) rear scene lights shall also be activated when the unit is placed in reverse.

YES___ NO___ Exception___

ALAMO WEST FIRE DEPARTMENT 3000 GALLON PUMPER/TANKER

REFLECTIVE STRIPING

NFPA-1901 (2009 Edition) 15.9.3* Reflective Striping: A retroreflective stripe(s) shall be affixed to at least 50 percent of the cab and body length on each side, and at least 25 percent of the width of the front of the apparatus. The stripe or combination of stripes shall be a minimum of 4 in. in total width. A graphic design shall be permitted to replace all or part of the required striping material if the design or combination thereof covers at least the same perimeter length(s) required by NFPA.

YES___ NO___ Exception___

At least of 50% of the rear vertical surfaces of the apparatus shall be equipped with a minimum 6 inch alternating red and yellow, fluorescent yellow or fluorescent yellow green chevron retroreflective striping sloping downward and away from the centerline of the vehicle at an angle of 45 degrees.

YES___ NO___ Exception___

LETTERING

Up to sixty (60) 3" "Gold Reflective" of "Imitation Gold Leaf" vinyl letters shall be provided with black shading and borders.

YES___ NO___ Exception___

COMPARTMENT INTERIOR COATING

The interior of the compartments shall be coated with a Zolotone material which features an excellent scratch resistance surface.

YES___ NO___ Exception___

The color shall be light gray.

TOUCH-UP PAINT

A container of touch-up paint will be provided to match the cab color.

YES___ NO___ Exception___

INSPECTION TRIP AND DELIVERY

It shall be the responsibility of Otero County to provide Department personnel arrangements and/or accommodations for inspection trips and apparatus delivery.

