

AGREEMENT FOR PURCHASE AND SALE OF GOODS

Bid/Proposal No. 040-11

Contract No. _____

Project Name 1500 GPM Pumper Fire Truck

THIS AGREEMENT FOR PURCHASE AND SALE OF GOODS (the "Agreement") is made this 15 day of June, 2011, by and between **Central States Fire Apparatus, LLC, A Division of Rosenbauer America**, whose address is 100 Third Street, PO Box 57, Lyons, SD 57041 ("Seller") and **THE CITY OF NAPLES**, a Florida municipal corporation, the address of which is 735 Eighth Street South, Naples, Florida 34102 ("Buyer"). In consideration of the mutual covenants and agreements hereinafter set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby mutually acknowledged, Buyer and Seller agree as follows:

1. **Description of Goods; Sale and Delivery.** Seller shall sell, transfer, and deliver to Buyer a 1500 GPM pumper fire truck as described on the Description/Proposal 040-11 attached hereto and made a part of as Exhibit "A" subject to such terms as are set forth in the Description/Proposal and in this Agreement.

2. **Acceptance; Purchase.** Buyer shall accept the goods and pay the total sum not-to-exceed : \$481,437.00 for the goods in accordance with the terms of this Agreement.

3. **Identification of Goods.** Identification of the goods shall not be deemed to have been made until both Buyer and Seller have agreed that the goods in question are to be appropriate to the performance of this Agreement.

4. **Rate and Time of Payment.** Unless otherwise specified, Buyer shall make payment to Seller for the goods within 30 days after the goods are received by Buyer.

5. **Receipt of Goods.** The goods shall be deemed received by Buyer when delivered to Buyer at City of Naples, Equipment Services, 370 Riverside Circle, Naples, Florida 34102. Delivery of the goods to Buyer shall occur on a business day and shall not occur after 3:15 p.m. on the delivery day.

6. **Risk of Loss.** The risk of loss from any casualty to the goods, regardless of the cause, shall be on Seller up to the time of receipt of the goods by Buyer at the place of delivery, but only after any proper inspection has been completed without rejection of the goods. Thereafter, such risk shall be on Buyer, including any goods thereafter returned to Seller until their receipt by Seller.

7. **Warranty Against Encumbrances.** Seller warrants that the goods are now free, and at the time of delivery shall be free, from any security interest or other lien or encumbrance.

8. **Warranty of Title.** Seller warrants that at the time of signing this Agreement, Seller neither knows, nor has reason to know, of the existence of any outstanding title or claim of title hostile to the rights of Seller in the goods.

9. **Product Warranty.** Seller provides general warranties of fitness and general warranties that the goods are free from defects, for 1 year from acceptance of the goods, except as may otherwise be set forth in the Description/Proposal, or other attached warranty.

10. **Right of Inspection.** Buyer shall have the right to inspect the goods at the time and place of delivery, and within 5 business days after delivery, Buyer must give notice to Seller of any claim for damages on account of the condition, quality, or grade of the goods, and Buyer must specify in detail the basis of such claim. The failure of Buyer to comply with these conditions shall constitute irrevocable acceptance of the goods by Buyer.

11. **Procedure as to Rejected Goods.** On receipt of notification of rejection, Seller will immediately arrange to receive back the goods for shipment and return. However, within 5 days, Seller may have an agent inspect such goods for nonconformity; otherwise, such inspection will be made on return to Seller's storage facility. When such goods are confirmed or acquiesced in as nonconforming, Seller will ship conforming goods within 30 days of the notice of rejection unless Buyer earlier notifies Seller to forgo such shipment.

12. **Governing Law.** The parties acknowledge that the transaction that is the subject matter of this Agreement bears a reasonable relation to the State of Florida and agree that the law of the State of Florida will govern their rights and duties. The parties specifically intend that the provisions of Article 2 of the Florida Uniform Commercial Code will control as to all aspects of this Agreement and its interpretation, and that all the definitions contained therein will be applicable to this Agreement except where this Agreement may expressly provide otherwise.

13. **Bid Documents.** The terms and conditions of the Invitation to Bid attached hereto and made a part hereof as Exhibit "B" shall be incorporated herein as a part of this Agreement.

14. **Notices and Address of Record.** All notices required or made pursuant to this Agreement to be given by Seller to Buyer shall be in writing and shall be delivered by overnight courier, by hand or by United States Postal Service Department, first class mail service, postage prepaid, return receipt requested, addressed to the following:

To Buyer:

City of Naples
Attention: A. William Moss, City Manager
735 Eighth Street South
Naples, Florida 34102-3796

All notices required or made pursuant to this Agreement to be given by Buyer to Seller shall be made in writing and shall be delivered by overnight courier, by hand or by the United States Postal Service Department, first class mail service, postage prepaid, return receipt requested, addressed to the following:

To Seller: **Central States Fire Apparatus, LLC,**
A Division of Rosenbauer America
Address: 100 Third Street
PO Box 57
Lyons, SD 57041
Attention: Harold Boer, C.E.O.

Either party may change its address of record by written notice to the other party given in accordance with requirements of this Article.

15. **Counterparts.** This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original as against any party whose signature appears thereon and all of which shall together constitute one and the same instrument.

16. **Effective Date.** This Agreement shall take effect on the day of execution by the last party to execute this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day first written above.

ATTEST:

"SELLER":
**Central States Fire Apparatus, LLC,
A Division of Rosenbauer America**

(Corporate Seal)

(Print Name: _____)

By: _____
Authorized Representative

ATTEST:

"BUYER"

City of Naples, Florida

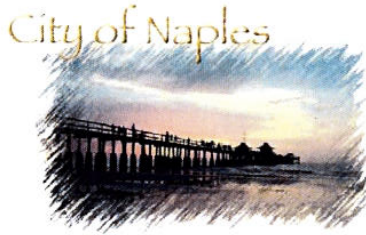
By: _____
Tara A. Norman, City Clerk

By: _____
A. William Moss, City Manager

Approved as to form and legal sufficiency:

By: _____
Robert D. Pritt, City Attorney

Agreement for Purchase and Sale of Goods
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INVITATION TO BID
CITY OF NAPLES
PURCHASING DIVISION
CITY HALL, 735 8TH STREET SOUTH
NAPLES, FL 34102
PH: 239-213-7100 FX: 239-213-7105

NOTIFICATION DATE: 5/11/11	TITLE 1500 GPM PUMPER FIRE TRUCK	NUMBER: 040-11	OPENING DATE & TIME: 6/1/11 2:00 PM
PRE-BID DATE, TIME AND LOCATION:			

NAME OF PARTNERSHIP, CORPORATION OR INDIVIDUAL: Central States Fire Apparatus, LLC	
MAILING ADDRESS: 100 Third Street, PO Box 57	
CITY-STATE-ZIP: Lyons, SD 57041	
PH: (605) 543-5591	EMAIL: sales@rosenbaueramerica.com
FX: (605) 543-5593	WEB ADDRESS: www.rosenbaueramerica.com

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the bidder. In submitting a bid to the City of Naples the bidder offers and agrees that if the bid is accepted, the bidder will convey, sell, assign or transfer to the City of Naples all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of FL for price fixing relating to the particular commodities or services purchased or acquired by the City of Naples. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the bidder.

AUTHORIZED SIGNATURE <i>Harold Boer</i>	DATE 5-31-11	PRINTED NAME/TITLE HAROLD BOER, CEO.
<small>Please initial by all that apply</small> I acknowledge receipt of the following addendum Addendum #1 Addendum #2 Addendum #3 Addendum #4		

PLEASE NOTE THE FOLLOWING:

- > **This page must be completed and returned with your bid.**
- > **Bids must be submitted in a sealed envelope, marked with bid number & closing date.**
- > **Bids received after the above closing date and time will not be accepted.**
- > **If you do not have an email address and you want a copy of the Bid Tab, please enclose a stamped, self-addressed envelope with your bid.**

BID NUMBER: 040-11
 OPENING DATE: 6/1/11

APPARATUS SPECIFICATION 1500 GPM PUMPER / ENGINE COMPANY

**ALL ITEMS FACTORY INSTALLED UNLESS OTHERWISE INDICATED. DOCUMENTATION –
DELIVERY - TRAINING**

Bidders will accurately state wheelbase, cab to axle, overall length, bumper swing turn radius, curb-to-curb turning radius, overall height, overall width, GVWR, angle of approach, and angle of departure and a SCAAN (System for Computerized Application Analysis) certification of drive train compatibility in submitted specifications.	<i>Comply</i> ✓ <i>Exception</i>
Approval drawings provided prior to construction commencement	<i>Comply</i> ✓ <i>Exception</i>
Two (2) sets of operator and service manuals	<i>Comply</i> ✓ <i>Exception</i>
Delivery to be F.O.B. customer's location	<i>Comply</i> ✓ <i>Exception</i>
Three (3) days of training by employee of manufacturer	<i>Comply</i> ✓ <i>Exception</i>
1 - Pre-construction meeting for FOUR (4) Fire Department representatives.	<i>Comply</i> ✓ <i>Exception</i>
1 - Final inspection for FOUR (4) Fire Department representatives.	<i>Comply</i> ✓ <i>Exception</i>
All manufacturer testing will be completed prior to delivery	<i>Comply</i> ✓ <i>Exception</i>
The apparatus shall be sold and serviced by a licensed Florida Motor Vehicle Dealer. The Dealer shall also be licensed by the State of Florida as a Motor Vehicle repair facility. Certificates shall be supplied with the vendor's proposal. The Dealer shall have indoor facilities and storage capabilities for Fire Rescue apparatus.	<i>Comply</i> ✓ <i>Exception</i>
TESTING COMPLIANCE STANDARD	
All supplied components of the vehicle shall meet the requirements of NFPA 1901, 2009 edition.	<i>Comply</i> ✓ <i>Exception</i>
BODY MODEL	
A fully enclosed driving compartment designed specifically for the Fire Service shall be provided. Body model will be a 1500 GPM Pumper with center loading LDH hose tray. The body shall have rescue style full depth full height compartments on the left and right sides.	<i>Comply</i> ✓ <i>Exception</i>
BUMPER	
Bumper minimum 10" severe service type swept-back painted body color - red	<i>Comply</i> ✓ <i>Exception</i>
1/8" Front Bumper Gravel Shield.	<i>Comply</i> ✓ <i>Exception</i>
Minimum 20" Front Bumper Gravel Shield Extension.	<i>Comply</i> ✓ <i>Exception</i>
Front Bumper Guide Poles with lights shall be installed on the outside corners.	<i>Comply</i> ✓ <i>Exception</i>
FRONT BUMPER WINCH	
A Warn or Ramsey 12,000lb winch shall be installed in the center of the front bumper. The winch shall be supplied with 125' of cable, remote control; a 4-way roller fairlead and aluminum tread plate cover with gas shocks.	<i>Comply</i> ✓ <i>Exception</i>

BUMPER TRAYS	
Diamond plate lid for right and center hose tray.	<i>Comply ✓ Exception</i>
Bumper tray right side of bumper for 100' of pre-connected 1 3/4" hose with nozzle- right of center and aluminum tread plate cover with gas shocks.	<i>Comply ✓ Exception</i>
FRAME ASSEMBLY	
Vendor to state frame size and minimum yield strength	<i>Comply ✓ Exception</i>
Vendor to state Frame liner size and overall chassis RBM (Resisting Bending Moment)	<i>Comply ✓ Exception</i>
AXLES OPTIONS	
Front axle minimum 20,000lb (indicate make and model)	<i>Comply ✓ Exception</i>
Single rear axle minimum 27,000lb capacity (indicate make and model)	<i>Comply ✓ Exception</i>
Shock absorbers for front axle - adjustable. (indicate make and model)	<i>Comply ✓ Exception</i>
Stemco oil seal front axle.	<i>Comply ✓ Exception</i>
Specify camp angle	<i>Comply ✓ Exception</i>
SUSPENSIONS	
Rear suspension spring system rated equal to the capacity of the axle. (indicate make and model)	<i>Comply ✓ Exception</i>
WHEEL OPTIONS	
Steel or Aluminum wheels for front axle (2). Hub piloted (indicate type)	<i>Comply ✓ Exception</i>
Steel or Aluminum wheels for rear axle (4). Hub piloted (indicate type)	<i>Comply ✓ Exception</i>
Front wheels will have a simulator trim kit if steel wheels	<i>Comply ✓ Exception</i>
Rear wheels will have a simulator trim kit if steel wheels	<i>Comply ✓ Exception</i>
Each inside wheel of the single rear axle shall have valve stem extensions	<i>Comply ✓ Exception</i>
TIRE OPTIONS	
Four Goodyear 12R22.5 tires for rear axle	<i>Comply ✓ Exception</i>
Two Goodyear 425/65R 22.5 tires for front axle.	<i>Comply ✓ Exception</i>
Tire pressure monitoring valve stem caps or equivalent	<i>Comply ✓ Exception</i>
BRAKE SYSTEMS	
Minimum 17" disc brakes for front axle (indicate make, size, model and warranty)	<i>Comply ✓ Exception</i>
Minimum 16-1/2" x 7" S-cam brakes with cast brake drums for a single rear axle (indicate make, size, model and warranty)	<i>Comply ✓ Exception</i>
Brake system air system sized for 4X2	<i>Comply ✓ Exception</i>
Parking brake valve LH dash mount	<i>Comply ✓ Exception</i>
Detail number of air tanks and capacity in cu in	<i>Comply ✓ Exception</i>
Minimum 5000 cubic inch air reservoir capacity <i>8,000 cu in</i>	<i>Comply ✓ Exception</i>
Vehicle will have ABS Brakes with Electronic Stability Control (indicate make, model and warranty)	<i>Comply ✓ Exception</i>

AIR SYSTEM OPTIONS	
Inlet for air system. Location: drivers door jam. Supplied with mating female coupling	<i>Comply ✓ Exception</i>
An auxiliary onboard air compressor to maintain air brake system pressure.	<i>Comply ✓ Exception</i>
Air dryer Meritor Wabco 12 volt "System Saver Twin".	<i>Comply ✓ Exception</i>
Auto moisture ejectors on all air reservoirs	<i>Comply ✓ Exception</i>
Air lines nylon	<i>Comply ✓ Exception</i>
Minimum 16 CFM gear driven air compressor <i>18.7 CFM</i>	<i>Comply ✓ Exception</i>
Grover 24" Air horns recessed in bumper (PR)	<i>Comply ✓ Exception</i>
Additional air tank with 1500 cu in minimum displacement shall be provided dedicated to the air horn. <i>2054 cu in</i>	<i>Comply ✓ Exception</i>
ENGINES & TRANSMISSIONS	
The engine shall be a Cummins ISX11.9 450HP with EVS4000 transmission 2010 EPA	<i>Comply ✓ Exception</i>
Push button transmission selector	<i>Comply ✓ Exception</i>
Trans Synd synthetic transmission fluid for EVS 4000.	<i>Comply ✓ Exception</i>
Eng/Trans 2010 EPA Compliant Engine with Allison EVS 4000	<i>Comply ✓ Exception</i>
Electronically limited speed to 65 MPH.	<i>Comply ✓ Exception</i>
Indicate make, model and warranty.	<i>Comply ✓ Exception</i>
SECONDARY BRAKING	
Brake Jacob's engine compression	<i>Comply ✓ Exception</i>
COOLING PACKAGE	
Cooling system and charge air cooler shall be certified for use with components and chassis. Includes coolant recovery system.	<i>Comply ✓ Exception</i>
Hoses shall be silicone with pressure compensating band clamps	<i>Comply ✓ Exception</i>
Install a coolant filter with shut-off valve for the inlet and outlet	<i>Comply ✓ Exception</i>
FUEL SYSTEMS	
Fuel system 65 gallon	<i>Comply ✓ Exception</i>
Fuel line hose rubber.	<i>Comply ✓ Exception</i>
Fuel cooler	<i>Comply ✓ Exception</i>
Dual fuel filters shall be installed. A Racor fuel/water separator with audible alarm and lamp shall be installed on the dash panel.	<i>Comply ✓ Exception</i>
ALTERNATOR	
The apparatus should be equipped with a minimum 320 ampere alternator with internal voltage regulator. NFPA compliant (indicate make, model and warranty)	<i>Comply ✓ Exception</i>
An Ammeter shall be installed on the dash panel.	<i>Comply ✓ Exception</i>
BATTERIES	
Six (6) group 31 in steel battery box cover	<i>Comply ✓ Exception</i>
Jumper studs shall be provided, indicate location.	<i>Comply ✓ Exception</i>

CHASSIS OPTIONS		
Tow eyes front painted below bumper / cab (PR).		<i>Comply ✓ Exception</i>
Tow eyes rear frame painted		<i>Comply ✓ Exception</i>
Dedicated PTO hydraulic pump. DELETED		<i>Comply ✓ Exception</i>
Automatic Chassis Lubrication System- Vogel or equal. Chassis points only.		<i>Comply ✓ Exception</i>
Diesel Exhaust Fluid (DEF) specify tank capacity		<i>Comply ✓ Exception</i>
Specify location Diesel Exhaust Fluid		<i>Comply ✓ Exception</i>
Thermatic fan clutch		<i>Comply ✓ Exception</i>
Drive line shall be certified to be compatible with the Cummins ISX11.9 450HP with EVS4000 transmission.		<i>Comply ✓ Exception</i>
CAB MODEL		
Proposer shall supply cab specification measurements (long Cab).		<i>Comply ✓ Exception</i>
Furnish cab crash worthiness documentation.		<i>Comply ✓ Exception</i>
All cab controls and operating mechanisms shall meet the requirements of NFPA Pamphlet 1901, FMVSS and SAE specifications.		<i>Comply ✓ Exception</i>
CAB ROOF TYPE		
Raised Roof - The rear portion of the cab roof should be raised to match the body.		<i>Comply ✓ Exception</i>
Delete front roof windows		<i>Comply ✓ Exception</i>
Delete side roof windows ahead of rear doors		<i>Comply ✓ Exception</i>
Delete rear roof windows		<i>Comply ✓ Exception</i>
Delete side vista roof windows rearward of rear doors		<i>Comply ✓ Exception</i>
CAB FLOORING		
The cab and crew cab flooring should be covered with aluminum and upgraded rubberized insulated flooring.		<i>Comply ✓ Exception</i>
CAB EXTERIOR		
Indicate exterior specifications of vehicle		<i>Comply ✓ Exception</i>
Indicate combined viewing area of windshield.		<i>Comply ✓ Exception</i>
Windshield will have a 75% light transmittance specify. Tint shall be internal to the glass and not after market		<i>Comply ✓ Exception</i>
CAB BACK BOARD AND SURFBOARD STORAGE		
At the rearmost position of the cab body and just on top of the chassis there shall be two superimposed compartments both full width with thumb latched Stainless steel doors . These compartments shall be accessible from outside on either side of the vehicle.		<i>Comply ✓ Exception</i>
The lower storage compartment shall be capable of holding two backboards, the uppermost compartment shall hold one rescue surfboard.		<i>Comply ✓ Exception</i>
CAB STEPS / DOORS		
The door panels are to be covered with a stainless durable finish and through bolted.		<i>Comply ✓ Exception</i>
Heavy-duty piano hinges will also be used.		<i>Comply ✓ Exception</i>
The steps should conform to the present NFPA Standard and be inclusive of a full width stirrup.		<i>Comply ✓ Exception</i>

Flush mounted, chrome plated paddle style handles with stainless steel scuff panels should be provided on the exterior cab doors.	<i>Comply</i> ✓ <i>Exception</i>
All handles should be locking and keyed alike. Six (6) sets of keys for each vehicle should be provided on delivery.	<i>Comply</i> ✓ <i>Exception</i>
Doors will also lock electronically.	<i>Comply</i> ✓ <i>Exception</i>
A 20.00" slip resistant handrail should be installed on the inside of each cab door approximately 3.0" inches under the window mounted horizontally to assist with closing the doors, entering and exiting cab.	<i>Comply</i> ✓ <i>Exception</i>
CAB MOUNTS AND CAB TILT SYSTEM	
Indicate cab mounting system	<i>Comply</i> ✓ <i>Exception</i>
Indicate cab lift system	<i>Comply</i> ✓ <i>Exception</i>
Indicate cab lift system safety component.	<i>Comply</i> ✓ <i>Exception</i>
CAB INTERIOR	
Shall conform to the current edition of NFPA 2009 and be of the <u>Severe Service</u> type with metal surfaces in place of plastic	<i>Comply</i> ✓ <i>Exception</i>
Indicate front seating floor to ceiling height	<i>Comply</i> ✓ <i>Exception</i>
Indicate rear seating floor to ceiling height	<i>Comply</i> ✓ <i>Exception</i>
Indicate floor area in front of driver seat	<i>Comply</i> ✓ <i>Exception</i>
Indicate floor area in front of officer seat	<i>Comply</i> ✓ <i>Exception</i>
Vehicle shall have a tilt and telescopic steering column	<i>Comply</i> ✓ <i>Exception</i>
There shall be storage area under the driver and officer's seat. The area under the officer's seat shall have a locked door.	<i>Comply</i> ✓ <i>Exception</i>
Rubber grip handles shall be provided on each door and on the "A" posts	<i>Comply</i> ✓ <i>Exception</i>
Cab shall be pre-wired to accommodate specified radio communication equipment and MDT system on the dash area or in designated locations.	<i>Comply</i> ✓ <i>Exception</i>
Severe service dash with MDT provision RH dash	<i>Comply</i> ✓ <i>Exception</i>
An Officer's side speedometer shall be installed IATS with digital readout. Location to be discussed at preconference.	<i>Comply</i> ✓ <i>Exception</i>
Courtesy lights shall be activated by the cab door switches and individually controlled by dash switches when doors are closed.	<i>Comply</i> ✓ <i>Exception</i>
Two (2) map lights individually switched shall be located on the cab ceiling. Within easy reach of the driver and officer.	<i>Comply</i> ✓ <i>Exception</i>
Cab interior lighting shall have two (2) clear dome lights and two (2) red dome lights, clear lights mounted inboard red lamps outboard	<i>Comply</i> ✓ <i>Exception</i>
No middle fixed window on driver's side of cab	<i>Comply</i> ✓ <i>Exception</i>
No middle fixed window on officer side of cab	<i>Comply</i> ✓ <i>Exception</i>
Pair of 36" handrails located just behind driver and officer side rear door one each side.	<i>Comply</i> ✓ <i>Exception</i>
Pair of 18" handrails located just behind driver and officer front door one each side	<i>Comply</i> ✓ <i>Exception</i>
INTERIOR LOCKING RADIO CABINET	
There shall be a rear facing cabinet installed near the exterior side wall of the cab, directly behind the driver's seat. The cabinets shall be constructed of aluminum tread plate with smooth interior surfaces to attach battery chargers and other such equipment that can accommodate a flush mount solution. The cabinet shall make use of all available width and height. The cabinet will have a locking roll up door with interior lighting, movable shelving (4) and 12 volt power (60 amp) supplied.	<i>Comply</i> ✓ <i>Exception</i>

RADIO / HEADSET	
Install a customer supplied remote mount two way radios and antenna bases. A control head and speaker will be mounted in the front cab and a control head will be mounted in the radio compartment behind the driver's seat. A customer supplied speaker will be installed between the driver and officer positions and on or near the pump panel. Radio shall be mounted in the radio compartment behind the driver's seat .	<i>Comply</i> ✓ <i>Exception</i>
An emergency weather band radio w/amplitude, frequency, CD and front aux input shall be installed with 4 premium speakers.	<i>Comply</i> ✓ <i>Exception</i>
Install a Precision Mount MDT bracket. Wiring shall be included to engine tunnel. Right side officer's position.	<i>Comply</i> ✓ <i>Exception</i>
Wireless intercom system shall be provided by the Manufacture. The supplied system must incorporate: Up to 500 feet of range (line of sight) communications Up to 24 hours of continuous talk time allows for more uses with fewer charges. Encrypted wireless link for maximum security. Dual-speaker headset with noise reduction rating of 24dB. Heavy-duty and durable design to extend life in a demanding environment. Must be available in Over-the-Head and Behind-the-Head styles. Driver and officer shall be wireless Provide six (6) wireless head sets and one (1) spare headset.	<i>Comply</i> ✓ <i>Exception</i>
CAB DOOR OPTIONS	
The interior door panels shall be Severe Service type made of stainless steel. Chicago-style 30" handles interior of rear doors.	<i>Comply</i> ✓ <i>Exception</i>
Map pockets cab front doors stainless steel	<i>Comply</i> ✓ <i>Exception</i>
Indicate combined viewing area of door windows	<i>Comply</i> ✓ <i>Exception</i>
All windows will have a 75% light transmittance specify. Tint shall be internal to the glass and not after market	<i>Comply</i> ✓ <i>Exception</i>
All cab exterior access doors to have keyed alike locks.	<i>Comply</i> ✓ <i>Exception</i>
The doors shall include an electronic door lock system which shall have two external keypads located near the two front cab doors.	<i>Comply</i> ✓ <i>Exception</i>
The system shall lock all cab doors, EMS compartment and all body compartments.	<i>Comply</i> ✓ <i>Exception</i>
Detail system provided:	<i>Comply</i> ✓ <i>Exception</i>
Hidden remote switch to unlock compartment doors	<i>Comply</i> ✓ <i>Exception</i>
(4) LED cab step area lighting. Lights to be switched with door ajar.	<i>Comply</i> ✓ <i>Exception</i>
Driver and Officer cab door windows. Include forward vent window.	<i>Comply</i> ✓ <i>Exception</i>
Front cab door windows to manually roll down or slide to open	<i>Comply</i> ✓ <i>Exception</i>
The rear cab door windows shall be fore and aft sliding <i>ROLL DOWN</i>	<i>Comply</i> ✓ <i>Exception</i>
Door mounted red LED flashing lights (4). Locate lights on each cab door in the outboard position. Lights to be switched with door ajar.	<i>Comply</i> ✓ <i>Exception</i>
Yellow/Red chevron "A" stripe on lower cab door panel approx 12" high.	<i>Comply</i> ✓ <i>Exception</i>

MIRRORS	
Ramco 6001FFR mirrors. Remote controlled with top CAS750 convex. Location: mounted on front corners of cab	<i>Comply ✓ Exception</i>
A brow type mirror shall be installed on the officer's front cab corner	<i>Comply ✓ Exception</i>
MISC EXTERIOR CAB OPTIONS	
Indicate combined viewing area of any other cab windows not previously mentioned	<i>Comply ✓ Exception</i>
All windows will have a 75% light transmittance specify - Tint shall be internal to the glass and not after market	<i>Comply ✓ Exception</i>
Mud flaps, front, black	<i>Comply ✓ Exception</i>
Auto eject and remote charge indicator to be mounted on a removable panel for access.	<i>Comply ✓ Exception</i>
A fast idle system shall be provided	<i>Comply ✓ Exception</i>
Install maximum under cab insulation package to reduce cab noise and engine heat	<i>Comply ✓ Exception</i>
HVAC	
Air conditioning roof top mounted condenser.	<i>Comply ✓ Exception</i>
State capacity and performance of AC/heater system	<i>Comply ✓ Exception</i>
AC system will have front and rear hi performance delivery	<i>Comply ✓ Exception</i>
A 120 Volt auxiliary roof top a/c shall be supplied with branch guard	<i>Comply ✓ Exception</i>
Cab circulation fans (2) front outboard, (2) mid inboard	<i>Comply ✓ Exception</i>
SEATS	
All seats shall be Bostrom	<i>Comply ✓ Exception</i>
Seats will have 3 point seat belts	<i>Comply ✓ Exception</i>
Seat cover material shall be heavy duty Fabric	<i>Comply ✓ Exception</i>
Indicate seat color	<i>Comply ✓ Exception</i>
Driver seat air ride. (Location of SCBA to be determined at pre-build)	<i>Comply ✓ Exception</i>
Officer seat to be fixed SCBA with Secure All restraint or equal	<i>Comply ✓ Exception</i>
Rear compartment, Forward facing flip-up seats outer positions non-SCBA ABTS	<i>Comply ✓ Exception</i>
Two man fixed bench seat with flip up seat cushions for additional storage underneath centered on rear wall with SCBA (2) backs with Secure All restraint or equal	<i>Comply ✓ Exception</i>
Seating capacity tag of six occupants.	<i>Comply ✓ Exception</i>
Forward facing rear seat frame shall incorporate full width storage under seat compartment with storage access doors painted same as cab interior.	<i>Comply ✓ Exception</i>
LED lighting shall be installed in an area of the seat frame that will illuminate the storage access doors.	<i>Comply ✓ Exception</i>
MEDICAL CABINETS	
Officer side cab wheel well medical cabinet approximately 42x22x28. Includes external locking roll-up door and interior hinged door with locking push-button latch. Cabinet includes (2) adjustable shelves.	<i>Comply ✓ Exception</i>
Specify cab medical/storage cabinet finish	<i>Comply ✓ Exception</i>

All medical cabinet doors to be locking type	<i>Comply ✓ Exception</i>
Specify exterior finish	<i>Comply ✓ Exception</i>
Cabinet will have 2 power plugs, one upper and one lower	<i>Comply ✓ Exception</i>
Cabinet will be lit with LED strip lighting.	<i>Comply ✓ Exception</i>
A narcotics "safe" shall be installed in the cab. Approx dimensions 18" x 12" x 8". Provide make and model.	<i>Comply ✓ Exception</i>
MAP BOX	
Specify color of map box in the cab	<i>Comply ✓ Exception</i>
Map Box between the officer's and Driver's position with Drop Down Door. Box offset to rear with 2 storage areas. Each storage box will have 3 shelves. Divided area 34"W X 12.50" H X 12" D.	<i>Comply ✓ Exception</i>
A Resource Console shall be provided on the back of the engine cover between the driver and passenger seats. It shall hold 6 5" binders.	<i>Comply ✓ Exception</i>
MISC INTERIOR CAB OPTIONS	
Specify Interior cab color	<i>Comply ✓ Exception</i>
Lexan sun visors, driver and officer's side overhead	<i>Comply ✓ Exception</i>
Interior cab access panel. Driver side of cab for access to rear of shore line receptacle.	<i>Comply ✓ Exception</i>
Severe duty dash panel and kick plates.	<i>Comply ✓ Exception</i>
Severe duty engine cover	<i>Comply ✓ Exception</i>
ELECTRICAL SYSTEMS	
Electrical system will conform to requirements of NFPA 1901	<i>Comply ✓ Exception</i>
LOAD MANAGEMENT SYSTEM	
A Kussmaul, or Class One electronic load management system shall be provided which monitors the vehicle 12 volt electrical system and automatically reduces the electrical load in the event of a low voltage condition. Must conform to the Latest edition of NFPA 1901	<i>Comply ✓ Exception</i>
CAB ELECTRICAL OPTIONS	
The vehicle's electrical system should be equipped with, but not limited to the following: six (6) 12 volt, Group 31 batteries, generating, starting, lighting, ignition, visual and audible warning systems, specified electronics equipment and devices including master consoles located in the cab and crew compartment and other specified accessory wiring. Distribution panel in the cab should have a hinged cover for ease of access.	<i>Comply ✓ Exception</i>
The electrical systems must conform to the Latest edition of NFPA 1901 and FMVSS, including Federal Motor Carrier Safety Regulations (FMCSR) and should also conform to all the applicable SAE recommended standards and practices, whether or not specifically referenced in this document while complying with the sub-paragraphs herein.	<i>Comply ✓ Exception</i>
Release of the parking brake will provide daytime running lights (DRL)	<i>Comply ✓ Exception</i>
The cab and chassis system shall have a centrally located electrical distribution area.	<i>Comply ✓ Exception</i>
12V power Distribution module, 6 battery Hot, 6 switched hot circuits, and 100amp max. Location: mounted behind officer's seat.	<i>Comply ✓ Exception</i>
Turn signal Whelen M6T or M9T-LED arrow amber pair located upper headlight bezel	<i>Comply ✓ Exception</i>

Emergency flasher Whelen M6T or M9T LED arrow red pair located upper headlight bezel	<i>Comply ✓ Exception</i>
Headlights (4) all be mounted under the turn signal with emergency flashing high beam.	<i>Comply ✓ Exception</i>
Battery charger 110 volt, 20 amp. Located behind driver's seat. Charge indicator mounted outside behind driver door next to handrail	<i>Comply ✓ Exception</i>
Auto eject receptacle inlet 20amp located outside driver's door next to handrail with a Yellow cover. Auto eject receptacle inlet 30amp located outside driver's door next to handrail with a Blue cover.	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot. Location: officer side dash.	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot (2). Location: map box.	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot. Location: driver side rear cab wall in seat support structure.	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot. Location: officer side rear cab wall in seat support structure.	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot. Location: on side of driver seat riser offset to rear.	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot. Location: Interior rear wall drivers side and officers side	<i>Comply ✓ Exception</i>
12 volt electrical outlet in the cab wired battery hot. Location: rear wall of officer side medical compartment up high.	<i>Comply ✓ Exception</i>
Back lit English language main cab gauge cluster.	<i>Comply ✓ Exception</i>
Dome Lights Red/White LED. Package includes two lights mounted in the front and three mounted in the rear of the cab. White light wire through door and light assembly switch. Red light through light assembly switch.	<i>Comply ✓ Exception</i>
Swivel reading lamps overhead between driver and officer, lights to be individually switched.	<i>Comply ✓ Exception</i>
Windshield fans 8" pair. Location rear facing mounted up high	<i>Comply ✓ Exception</i>
Windshield fans 8" pair. Location centered below under console	<i>Comply ✓ Exception</i>
Cornering light circuits for lights (R & L) on Bumper corner and over wheel well center mounted. Interlocked with park brake.	<i>Comply ✓ Exception</i>
Ground lights to activate with turn signals	<i>Comply ✓ Exception</i>
Battery charger Kussmaul 40 amp model 1200 with air compressor.	<i>Comply ✓ Exception</i>
BODY MODEL	
A fully enclosed driving compartment designed specifically for the Fire Service shall be provided. Body model will be a 1500 GPM Pumper with center loading LDH hose tray. The body shall have rescue style full depth full height compartments on the left and right sides.	<i>Comply ✓ Exception</i>
BODY CONSTRUCTION	
The Department requests a heavy duty body design.	<i>Comply ✓ Exception</i>
HOSEBED CONSTRUCTION	
A single, continuous hose bed with no chutes shall be supplied in the center of the body to allow the use of large-diameter supply hose with a minimum number of hose folds. The upper inside area of the beavertail are to be covered with polished stainless steel to prevent damage to painted surface when hose is removed. Flooring of the hose bed should be removable aluminum, or fiberglass grating with the top surface corrugated to aid in hose aeration. This hose bed should accommodate 1000' feet of 5.00" LDH and 800' of 2.5" hose. All hose should be flat loaded. One (1) adjustable hose bed divider should be furnished for separating hose.	<i>Comply ✓ Exception</i>

<p>HOSE BED COVER</p> <p>A two (2) section hose bed cover, constructed of bright aluminum tread plate should be furnished. The sides should be slanted down with the center of the cover supported by a stationary bridgework support at the front and rear of the hose bed. The cover support system should be of the design that does not require a center stationary divider for support of the hose bed cover. The cover should be reinforced so that it can support the weight limit of 500 lbs. Equal to two (2) men walking on cover. If the access to the water tank fill tower is blocked by the hose bed cover, then a hinged door should be provided in it so that the tank may be filled without raising the cover doors. There should be four (4) chrome grab handles and four (4) gas filled cylinders should be provided to assist in the opening and closing of the cover. A handrail should be provided at the rear, in the center of the support, to assist in opening the cover. Black canvas cover should be installed on the rear of the bright aluminum tread plate hose bed cover. A black webbing should be installed on the speedlay openings as well. The doors should be arranged so the first door to open is the drivers' side, opposite the hydraulic ladder rack. The unit designation should be placed on the hose bed canvas cover that hangs vertically. There should be provided six (6) 12 volt lights installed on the underside of the hose bed covers to illuminate the hose bed with the covers in the open position. Controls for these lights should be placed on the pump panel and in the cab overhead console.</p>	<p><i>Comply ✓ Exception</i></p>
<p>COMPARTMENT CONSTRUCTION</p>	
<p>Each compartment shall be illuminated with two (2) full height LED strip lights.</p>	<p><i>Comply ✓ Exception</i></p>
<p>Bidders will explain the construction of the compartments. This shall include materials and methods used. Walls of each compartment shall be louvered for adequate ventilation. Service access shall be provided to body wiring harnesses.</p>	<p><i>Comply ✓ Exception</i></p>
<p>The interior compartment walls shall be coated with a heavy spray on lining material. Line-X or equal. Black or charcoal color. Each shelf shall have red Turtle Tiles installed.</p>	<p><i>Comply ✓ Exception</i></p>
<p>BODY COMPARTMENT LEFT SIDE</p>	
<p>Driver side body with full height and width forward (L1) and full height and width rearward (L3) Compartmentation. Include a wide compartment over the wheel well (L2). Specify dimensions of compartments and volume of Compartmentation.</p>	<p><i>Comply ✓ Exception</i></p>
<p>BODY COMPARTMENT RIGHT SIDE</p>	
<p>Driver side body with full height and width forward (R1) and full height and width rearward (R3) Compartmentation. Include a wide compartment over the wheel well (R2). Specify dimensions of compartments and volume of Compartmentation.</p>	<p><i>Comply ✓ Exception</i></p>
<p>LADDER RACK RIGHT SIDE</p>	
<p>A 2-arm overhead ladder rack shall be provided to place the ladders at a safe and convenient height for unloading and loading. The rack shall be located over the body. The rack shall utilize two (2) Hydraulic Rotary Actuators, one (1) located inside the front compartment and one (1) located inside the rear</p>	

<p>compartment. The rack shall utilize two (2) lifting arms which are located outside of both the front and rear compartments. The rack shall have a main mounting rack for attaching ladders, hard suction Hose (2) and accessories. The rack shall be electrical/hydraulically operated by a durable high cycle 12 volt actuator and controlled by the multiplex electrical system by means of a control panel. The ladder rack control panel shall include a master on/off switch, a lifting arm raise/lower switch, a power indicator light and an operating instruction plate. The control panel shall be mounted on the pump panel adjacent to the ladder rack of the apparatus to allow the operator to monitor operations and ground personnel while lowering and raising the rack. The rack shall be capable of raising and lowering a maximum of seven hundred (700) pounds of dry load equipment from chest height at ground level to the storage position above the hose bed. The rack shall be easily configurable for mounting various complements of ladders, pike poles, hard suction hoses, etc.</p> <p>A visual signal shall be provided to indicate when the ladder rack is not in the stowed position by two (2) amber flashing lights, one (1) on each end of the rack. The rack shall also be wired through the door ajar indicator light located in the cab to alert the driver that the rack is not stowed if the park brake is released. Two (2) hydraulically operated Safety Locks, one (1) for each lifting arm, shall be provided to automatically secure the lifting arms while in the travel/stowed position.</p> <p>An Electric Control Panel shall be provided that can be easily mounted on the pump panel of the apparatus.</p> <p>The following Ladder positions, locks etc. are to be furnished and installed on the apparatus. Ladders shall be Dou-Safety.</p> <ol style="list-style-type: none"> 1. 28' Foot two (2) section extension ladder, Series 1200-A 2. 16' Foot one (1) section roof ladder, Series 875-A 3. 10' Foot Folding Section, Series 585-A 	<p><i>Comply</i> ✓ <i>Exception</i> _____</p>
<p>The assembly shall have appropriate safety labeling. The Ladder Rack assembly shall meet requirements of NFPA 1901.</p>	<p><i>Comply</i> ✓ <i>Exception</i> _____</p>
<p>BODY COMPARTMENT REAR</p>	
<p>Full Height Rear Compartment with smooth plate panels. Bolt-on diamond plate tailboard (full width of rear compartment). Additional 10" of tailboard to run full width of body ("T" shaped tailboard). Include all handrails- (2) vertically on trailing edge of body and horizontally mounted handrail(s) below hosebed. Extended stepped down below hosebed level. Include embossed diamond plate compartment tops.</p>	<p><i>Comply</i> ✓ <i>Exception</i> _____</p>
<p>Electric wind Hydraulic hose reel. Includes 100' 1/4" hose (up to 10,000 PSI) and rollers (captive type). Location: D1 driver side. Hose Color Red/Black. Mounted high in compartment. Dual hydraulic reel rewind switch panel. Includes mounting rewind switches towards center of bracket. Location: mounted between D1 hydraulic reels.</p>	<p><i>Comply</i> ✓ <i>Exception</i> _____</p>
<p>Electric wind Hydraulic hose reel. Includes 100' 1/4" hose (up to 10,000 PSI) and rollers (captive type). Location: D1 officer side. Hose Color Blue/Black. Mounted high in compartment. Dual hydraulic reel rewind switch panel. Includes mounting rewind switches towards center of bracket. Location: mounted between D1 hydraulic reels.</p>	<p><i>Comply</i> ✓ <i>Exception</i> _____</p>
<p>The city of naples will furnish a Genesis extraction set and hose reels for installation at the site of the build. Details to be discussed at preconference meeting.</p>	<p><i>Comply</i> ✓ <i>Exception</i> _____</p>

Body compartment mounting solutions	
Each compartment (shelf, toolboards, etc) shall come equipped with PAC tool mounts. Exact mounting solution to be discussed at preconference meeting.	<i>Comply</i> ✓ <i>Exception</i>
HANDRAILS / STEPS	
Steps rear NFPA. Include folding steps on driver side (staggered stepped as permissible with tailboard depth) for NFPA hosebed access and handrail mounted on driver side upper hosebed side.	<i>Comply</i> ✓ <i>Exception</i>
Steps rear NFPA. Includes folding steps on officer side (staggered stepped as permissible with tailboard depth) for additional hosebed access and handrail mounted on officer side upper hosebed side.	<i>Comply</i> ✓ <i>Exception</i>
PULL-OUT TRAYS	
There should be five (5) slide-out trays with 2.00" sides and a minimum capacity of 500 pounds provided. Capacity rating should be in the extended position. Automatic locks should be provided for both the "in" and "out" positions. The trip mechanism for it should be located at the front of the tray for ease of use with gloved hand. Tray locations should be determined at the pre-construction conference.	<i>Comply</i> ✓ <i>Exception</i>
PULL-OUT ADJUSTABLE HEIGHT TRAYS	
There should be two (2) slide-out trays with 2.00" inch sides and a minimum capacity of 500 pounds provided. Capacity rating should be in the extended position. Automatic locks should be provided for both the "in" and "out" positions. Tray locations should be determined at the pre-construction conference.	<i>Comply</i> ✓ <i>Exception</i>
30 DEGREE DROP DOWN PULL-OUT ADJUSTABLE TRAYS	
There should be four (4) slide-out trays with a 2.00" inch sides that pull-out and drop-down at a 30 degree angle for easy access to equipment and supplies. Minimum capacity rating of 250 pounds should be in the extended position. Trays location should be determined at the pre-construction conference.	<i>Comply</i> ✓ <i>Exception</i>
MOUNTING TRACK	
There should be eight (8) sets of tracks for mounting equipment in all compartments or significant enough to adequately hold equipment weight and secure the shelf. These tracks should be installed vertically to support the adjustable shelves.	<i>Comply</i> ✓ <i>Exception</i>
COMPARTMENT MATTING	
There should be Black Turtle Tile Matting provided in each compartment on the floors, trays, and shelves of all compartments.	<i>Comply</i> ✓ <i>Exception</i>
HANDRAILS	
Access handrails shall be provided at all step positions, including, the rear tailboard.	<i>Comply</i> ✓ <i>Exception</i>
DOORS	
R1.Door roll up tall with satin finish	<i>Comply</i> ✓ <i>Exception</i>

R2. Door roll up short with satin finish	Comply ✓ Exception
R3. Door roll up tall with satin finish	Comply ✓ Exception
L1. Door roll up tall with satin finish	Comply ✓ Exception
L2. Door roll up short with satin finish	Comply ✓ Exception
L3. Door roll up tall with satin finish	Comply ✓ Exception
D1. Door roll up tall with satin finish	Comply ✓ Exception
Electric locks for all roll-up doors	Comply ✓ Exception
SHELVES AND TRAYS	
There should be eight (8) shelves provided they shall be aluminum in a pan shape. Each shelf should be infinitely adjustable and support a minimum of 500 lbs ea. The location of the eight (8) shelves should be determined at the pre-construction conference.	Comply ✓ Exception
COMPARTMENT TOOL BOARD R1	
A driver's side storage system will be installed in compartment L1. It shall have an adjustable roll out tool board with a rating of 250 lbs. On the floor in front of the tool board will be a roll out tray 100% extension with a capacity of 500 lbs. A shelf above the tray at approximately 30" from the floor will have a capacity of 250lbs	Comply ✓ Exception
HARD SUCTION HOSE	
There should be two (2) hard suction hose mounts for 6.00" inch Maxi-Flex lightweight hard suction hose. Each length should be equipped with a long handle female coupling on one (1) end and a rocker lug male coupling on the other end, with strainer and float .	Comply ✓ Exception
HARD SUCTION TRAYS	
Hard suction hose should be carried on the ladder rack. <i>IN SEPARATE COMPARTMENT</i>	Comply Exception ✓
COVERS	
Vinyl rear cover for diamond plate hose bed cover. Color: Black.	Comply ✓ Exception
Nylon black cargo net on sides of speedlay.	Comply ✓ Exception
Diamond plate speedlay cover, speedlay location rear of pump module	Comply ✓ Exception
Cover for compartment mounted DEF tank to includes hinged fill access door.	Comply ✓ Exception
Aluminum hosebed cover. Include, fill tower(s) access door(s) (as applicable), gas shocks, positive hold opens/hold closed, grab handles and handrails: give location and quantity.	Comply Exception
Landing platform sized and positioned as required at rear and front of hose lay, surface will be anti slip to assist with hosebed cover and hose packing operations.	Comply ✓ Exception
PUMP MODULE	
Pump panel opening sized full width as required	Comply ✓ Exception
Pump Module to be (side to side). Includes upper, lower, crosswalk, speedlay and transverse modules.	Comply ✓ Exception
Crosswalk module. Includes running boards, (1) dual lighted LED folding step each side and access handrails mounted on the pump module.	Comply ✓ Exception

<p>The preconnected speedlay system shall have the lowest possible ground to hosebed distance possible. The stacked system shall be to the <u>rear of the pump panel</u> (between the pump panel and the rescue body and at chassis level). They shall have removable trays and speedlay rollers on each side of the speedlay for easy deployment. The bottom tray shall be the 2,5" then the 2 1.75" and on top shall be a 2,5" dry lay of 200".</p>	<p>NOT AVAILABLE WITH A TOP MOUNT PUMP</p> <p><i>Comply</i> <i>Exception</i> ✓</p>
<p>One (1) speedlay compartment should have a 2.50" preconnected quarter turn ball valve and plumbing, terminating with a 2.50" National Standard hose thread 90-degree swivel Elkhart Model 90 degree swivel. Individual controls for the speedlays should be at the pump operator's panel.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>To the rear of the pump enclosure should be two (2) 1.75" speedlay hose beds. Two (2) speedlay compartments should have a 2.00" preconnected line with a 2.00" quarter turn Elkhart ball valve with a T1F Actuator. and terminate with a 1.50" National Standard hose thread 90-degree swivel.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>Two (2) compartments should each be capable of carrying 200 feet of 1.75" double jacket hose. One (1) compartment should be capable of carrying 200 feet of 2.5" double jacket hose. Hose for sizing is specified as Key Lite Combat Ready hose in a flat load arrangement with at least two flakes side by side, hose may be purchased separate under options. The hose compartments should be located vertically with the two 1.75" beds as the top two and the 2.5" bed on the bottom. Scuff plates should be provided at the sides and bottom of each opening on both sides. Speedlay flooring should consist of removable perforated brushed aluminum.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>All speedlays should have netting provided. Hose should not be included in the pricing. If purchased, hose will be selected under the option list.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>All preconnected speed lay hoses in the trays shall have Elkhart Manual Valves and be Push/Pull type</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>PUMP PANELS</p>	
<p>Driver and Officer side pump panels to be vertically hinged and secured in the closed position with push button latches. Upper panels to be held open with gas shock.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>Pump Panel Tags Color Coded per NFPA Compliance</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>Air Outlet Valve Location: driver's side pump panel.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>Pump Panel Tags Color Coded per NFPA Compliance</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>A pump panel mounted air horn button shall be supplied</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>A pump hour meter shall be supplied. Location to be discussed at preconference meeting.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>A fuel gauge shall be supplied. With warning indicator and audible alarm. Location to be discussed at preconference meeting.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>WATER TANK</p>	
<p>Minimum 750 gallon water tank and 2 - 30 gallon foam cells. Total of 810 gallons with foam cells.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>TANK PLUMBING</p>	
<p>2" Tank Fill Elkhart Manual Valve</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>3" Tank to Pump Elkhart Manual Valve</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>FOAM TANKS</p>	
<p>30 gallon integral foam tank for Class A foam. 30 gallon integral foam tank for Class B foam.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>

<p>ADDITIONAL FIREHOOK STORAGE</p> <p>The following hook positions, locks etc. should be furnished and installed on the apparatus.</p> <ol style="list-style-type: none"> 1. 8' Foot Firehooks APH-8' (mounted on the ladder rack) 2. 6' Foot Firehooks UH-6' (mounted on the ladder rack) 3. 6' Foot Firehooks RH-6' (mounted on the exterior of the cab) 4. 6' Foot Firehooks RH-6' (mounted on the exterior of the cab) 	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>AIR BOTTLE STORAGE</p> <p>There should be a minimum of six (6) bottle/extinguisher compartments provided over the rear wheels. Storage for a total of four (4) air bottles and two (2) extinguishers (one 20 lb. Dry chem. and one 20 lb. CO2). No bottles should be stored in compartments or cab. Flooring should be rubber lined and have a drain hole. A stainless steel, or brushed aluminum door with a chrome plated latch should be provided to contain the air bottle.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p>
<p>SHOVEL STORAGE</p> <p>Located above the pump with an access door on the passenger side. A storage area for the following shovels should be provided. The equipment may or may not be purchased with the apparatus though the mounts must be in place and ready for reception of equipment.</p> <p>This Equipment must meet or exceed the latest NFPA Standards:</p> <ol style="list-style-type: none"> 1. Nupla, Round Nose, Model RP2L 48" inch Handle fiberglass construction 2. Nupla, Square Nose, Model SPD6 48" inch Handle fiberglass construction 3. Nupla, Scoop Nose, Model AGS14 27" inch Handle with D Grip fiberglass construction 	<p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p>
<p>HANDRAILS / STEPS</p> <p>Pump panel step with (1) lower and (1) upper folding step with one handrail shall be provided. Pump panel lights shall be mounted under a intermediate step on both sides.</p> <p>Slide out platform-integral driver side running board (includes handrail as applicable).</p> <p>Required step lights shall be included.</p> <p>Four (4) additional handrails should be provided with final locations TBD</p>	<p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p>
<p>MISC BODY OPTIONS</p> <p>There are no overall height restrictions.</p> <p>There are no overall length restrictions.</p> <p>Hosebed will be above the booster tank. Hosebed shall have an adjustable divider rearward of the furthest tower and shall run full width of the hosebed.</p> <p>Mud flaps, rear, black</p> <p>Wheel chocks- A pair of Zico Model SAC-44 Quic-Chok folding wheel chocks shall be provided and mounted under the apparatus body with model SQCH-44H horizontal mounting brackets.</p> <p>Single axle wheel well shall be diamond plate. Includes bolt-on composite wheel well liners and aluminum fenderettes.</p> <p>Divider to run the full length of hose bed (front to Rear)</p> <p>The rear of each hose bed divider to have a hand hold cut-out.</p> <p>Recessed fuel fill driver side wheel well.</p>	<p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p> <p><i>Comply</i> ✓ <i>Exception</i></p>

Bolt in partition walls. Locate in lower rear compartment transverse area. Partitions to separate the side rear compartments from the rear compartment.	<i>Comply</i> ✓ <i>Exception</i>
Rub rails as required	<i>Comply</i> ✓ <i>Exception</i>
Body compartment Interiors and compartment mounted components (shelves, trays, toolboards, etc.) to have black finish. State finish to be supplied	<i>Comply</i> ✓ <i>Exception</i>
PUMP	
Mid-ship mounted Hale QMAX 1000-2250 single stage pump	<i>Comply</i> ✓ <i>Exception</i>
Pump Rating 1500 GPM	<i>Comply</i> ✓ <i>Exception</i>
Pump manifolds and plumbing shall be stainless steel	<i>Comply</i> ✓ <i>Exception</i>
Manufacture will provide a certificate of warranty for stainless steel plumbing	<i>Comply</i> ✓ <i>Exception</i>
Priming and pump shift system shall be consistent with furnished fire pump.	<i>Comply</i> ✓ <i>Exception</i>
Two test ports shall be furnished on the pump panel - Vacuum and Pressure	<i>Comply</i> ✓ <i>Exception</i>
Auxiliary engine cooler shall be installed in the engine cooling system.	<i>Comply</i> ✓ <i>Exception</i>
PUMP CERTIFICATION / TEST	
Pump certification 1500 GPM shall meet current NFPA 1901	<i>Comply</i> ✓ <i>Exception</i>
PUMP OPTIONS	
Pump Cooler and Auxiliary Cooling System	<i>Comply</i> ✓ <i>Exception</i>
Mechanical pump seals	<i>Comply</i> ✓ <i>Exception</i>
Zinc Anodes for Hale Pump - (Pair) (1) Discharge side and (1) Intake Side	<i>Comply</i> ✓ <i>Exception</i>
Thermal Relief Valve - Hale TRVL-120	<i>Comply</i> ✓ <i>Exception</i>
Steamers to be Flush + 1 Location: driver's side.	<i>Comply</i> ✓ <i>Exception</i>
Steamers to be Flush + 1 Location: officer's side.	<i>Comply</i> ✓ <i>Exception</i>
Manual operated master pump drain. The master drain shall be clearly marked and placed in accessible location rearward below running board on driver side or L1 compartment.	<i>Comply</i> ✓ <i>Exception</i>
Gearbox cooler shall be provided	<i>Comply</i> ✓ <i>Exception</i>
Primer pump - Priming pump should be a positive displacement vane type, electrically driven, and conforming to standards outlined in NFPA pamphlet #1901.	<i>Comply</i> ✓ <i>Exception</i>
INTAKES	
2.5" Left Intake Elkhart Swing-Out Manual Valves and chrome plug	<i>Comply</i> ✓ <i>Exception</i>
2.5" Right Intake Elkhart Swing-Out Manual Valves and chrome plug	<i>Comply</i> ✓ <i>Exception</i>
All manual valve balls shall be stainless steel	<i>Comply</i> ✓ <i>Exception</i>
INTAKE RELIEF VALVE	
Elkhart cast brass relief valve shall be mounted on the pump 6" suction sides (2)	<i>Comply</i> ✓ <i>Exception</i>
TANK TO PUMP	
3.00" Inch w/Elkhart Model EB-30 with a T1F Actuator.	<i>Comply</i> ✓ <i>Exception</i>

DISCHARGES AND PRECONNECTS: Elkhart Valves	
1.75" speedlay with Elkhart Manual Valve. Push/Pull Location: Speedlay #1 & #2	<i>Comply</i> ✓ <i>Exception</i>
2.5" Left Pump Panel Discharge Manual Valve. Push/Pull Location: L/S - discharge 1	<i>Comply</i> ✓ <i>Exception</i>
2.5" Left Pump Panel Discharge Manual Valve. Location: L/S - discharge 2	<i>Comply</i> ✓ <i>Exception</i>
1.50" Right Pump Panel Discharge Manual Valve. Location: R/S	<i>Comply</i> ✓ <i>Exception</i>
2.50" Right Pump Panel Discharge Manual Valve. Location: R/S	<i>Comply</i> ✓ <i>Exception</i>
3" Right Pump Panel Discharge with Elkhart Electric Unit-Body Valve. Location: R/S	<i>Comply</i> ✓ <i>Exception</i>
3" Deluge riser Discharge with Elkhart Electric Unit-Body Valve.	<i>Comply</i> ✓ <i>Exception</i>
DELUGE DISCHARGE OUTLET CONTROLS	
The Deluge riser discharge outlets 3.00" should incorporate an Elkhart Electric actuator as specified for the valve with the control located at the top mount pump operator's panel.	<i>Comply</i> ✓ <i>Exception</i>
MONITOR	
An Elkhart Brass portable deck gun monitor model 8297-51 Stinger 2.0 or approved equal should be properly installed on the deluge riser. The monitor should include a model 282A stream shaper with ST-194 stack tips and SM-1250@75 fog nozzle and 8298EX pipe for Stinger 2.0. This monitor will include both a fixed mounting base model 8298 top mount adapter and a portable base with 5.00" inch Storz Inlet. The Deluge riser should have male National Standard Pipe Threads for mounting the monitor. Height should allow 360 degree operation when monitor is used in conjunction with the Elkhart 8298EX pipe. The "Do Not Move Apparatus" light in the cab should be activated if the monitor is not in the stowed position and the parking brake is released.	<i>Comply</i> ✓ <i>Exception</i>
DISCHARGE OPTIONS	
Bleeder Drain Valve Plumbed to: Deluge Riser 3" discharge	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valves Plumbed to: speed lay preconnects #1, 2, and 3	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valve Plumbed to: discharge 1.75" Right Front Bumper tray reconnect	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valve Plumbed to: discharge 2.5" Left Panel Discharge #1	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valve Plumbed to: discharge 2.5" Left Panel Discharge #2	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valve Plumbed to: discharge 1.75" Right Panel	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valve Plumbed to: discharge 2.5" Right Panel	<i>Comply</i> ✓ <i>Exception</i>
Bleeder Drain Valve Plumbed to: discharge 3" Right Panel	<i>Comply</i> ✓ <i>Exception</i>
Chrome Discharge Caps and chains	<i>Comply</i> ✓ <i>Exception</i>
PRESSURE GOVERNORS	
Fire Research Pump Boss pressure governor.	<i>Comply</i> ✓ <i>Exception</i>
This should be an all-electric pressure governor provided which is capable of automatically maintaining a desired preset discharge pressure within a range of 0 to 400 psi.	<i>Comply</i> ✓ <i>Exception</i>

GAUGES	
FRC Tank Visions Foam Tank and Water Level Gauges on the pump panel	<i>Comply</i> ✓ <i>Exception</i>
Engine Gauge Package for Electronic Engine, NFPA 1901	<i>Comply</i> ✓ <i>Exception</i>
4" Pressure Gauge Master pump, master pressure	<i>Comply</i> ✓ <i>Exception</i>
Transmission Temperature Gauge	<i>Comply</i> ✓ <i>Exception</i>
Voltmeter with two (2) stage low or high voltage warning indicator light and audible alarm	<i>Comply</i> ✓ <i>Exception</i>
Two stage low Fuel Gauge on pump panel with warning indicator light	<i>Comply</i> ✓ <i>Exception</i>
Tachometer - electric	<i>Comply</i> ✓ <i>Exception</i>
Half Engine speed counter	<i>Comply</i> ✓ <i>Exception</i>
Light / Alarm pump overhead indicators	<i>Comply</i> ✓ <i>Exception</i>
Master Pump Drain Control	<i>Comply</i> ✓ <i>Exception</i>
Air outlet with female adapter	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 1.75 in. front bumper discharge	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 1.75 in. speedlay preconnect #1	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 1.75 in. speedlay preconnect #2	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 2.5 in. speedlay preconnect #3	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 3" in deluge discharge	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 2.5 in. left side discharge 1	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 2.5 in. left side discharge 2	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 1.75 in. right side discharge 1	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 2.50 in. right side discharge 2	<i>Comply</i> ✓ <i>Exception</i>
2.5" Pressure Gauge (30-0-600) For: 3.0 in. right side discharge 3	<i>Comply</i> ✓ <i>Exception</i>
Whelen PS Tank Water Tank Level Gauge Package. Location of Whelen PS Tank Strip-Lights: each side of cab rear	<i>Comply</i> ✓ <i>Exception</i>
GAUGES – VACUUM AND PRESSURE	
The pump vacuum and pressure gauges should be Class - One Silicone filled gauges or equal. The gauges should be a minimum of 6.00" inches in diameter and should have white faces with black lettering, with a pressure range of 0-30" inches (Hg) and 0-600psi. The pump pressure and vacuum gauges should be installed adjacent to each other at the pump operator's control panel. Three Class 1 flow meters should be provided for one (1) 2.5" preconnect and two (2) 1.3/4" preconnects sized to adequately monitor the minimum and maximum flow expected.	<i>Comply</i> ✓ <i>Exception</i>
PRESSURE GAUGES	
The individual "line" pressure gauges for the discharges should be silicone filled, a minimum of 3.50" inches in diameter and have white faces with black lettering (0-400psi) Respectively.	<i>Comply</i> ✓ <i>Exception</i>
LIGHT SHIELD	
The pump panel controls and gauges should be illuminated by a minimum of four (4) LED strip pump panel lights installed under a polished stainless steel, or bright dipped anodized aluminum light shield. The two (2) center pump panel lights should be actuated when the pump is shifted into gear inside the cab. The remaining lights should be operated from a watertight switch on the pump panel.	<i>Comply</i> ✓ <i>Exception</i>

Two (2) additional step/light shields should be provided above passenger's and driver's side pump panel. The pump panel should be illuminated by a minimum of three (2) LED lights installed under a bright aluminum tread plate step. The lights should be operated from a watertight switch on the pump panel.	<i>Comply</i> ✓ <i>Exception</i>
PUMP COMPARTMENT	
The pump compartment should be separate from the hose body and compartments so that each may flex independently of the other.	<i>Comply</i> ✓ <i>Exception</i>
PUMP CONTROL PANEL – TOP MOUNT CONTROLS	
All pump controls and gauges should be located at the top mount operator's position. The control panels should be full width of the apparatus. The gauge and control panels should be two (2) separate panels for ease of maintenance.	<i>Comply</i> ✓ <i>Exception</i>
FOAM SYSTEMS	
2002 Hypro/Foam Pro foam system. A and B Foam System: A foam proportioning system should be provided that is an on demand, automatic proportioning, single point, direct injection system suitable for all types of Class "A" & "B" foam concentrates.	<i>Comply</i> ✓ <i>Exception</i>
An external foam pick-up should be provided to enable use of a foam agent that is not stored on the vehicle. The external foam pick-up should be designed to allow continued operation after the onboard foam tank is empty.	<i>Comply</i> ✓ <i>Exception</i>
The system should be equipped with a digital electronic control display located on the pump operator's panel. Push button controls should be integrated into the panel to turn the system on/off, control the foam percentage, and to set the operation modes (automatic, manual, draft, calibration, or flush).	<i>Comply</i> ✓ <i>Exception</i>
The control head should display a warning message when the foam tank in use is below a quarter tank.	<i>Comply</i> ✓ <i>Exception</i>
The control display should direct a microprocessor, which receives input from the systems water flow meter while also monitoring the position of the foam concentrate pump. The microprocessor should compare the values of the water flow versus the position/rate of the foam pump, to ensure the proportion rate is accurate. One (1) check valve should be installed in the plumbing to prevent foam from contaminating the water pump.	<i>Comply</i> ✓ <i>Exception</i>
The foam system should be plumbed to five discharges. The discharges capable of dispensing foam should be the two (2) 1.75" speedlays, one (1) 2.50" speedlay, one (1) deck gun, and the front bumper discharge.	<i>Comply</i> ✓ <i>Exception</i>
Refill Systems The Power-Fill is an electronically-controlled, pre-plumbed, self-priming, concentrate refill system shall be furnished with apparatus.	<i>Comply</i> ✓ <i>Exception</i>
The foam system performance shall be tested and certified in compliance with 2009 NFPA 1901.	<i>Comply</i> ✓ <i>Exception</i>
A demonstration should be provided at the manufacturer, on the operation of the foam system. In addition in-field training of operations and maintenance should be provided. This demonstration at the factory and in-field training should include: - Review of the foam system manual, highlighting key areas. - A walk around review of the system components, on the finished truck. - A "hands on" foam system start-up and foam discharge session. - Instructions on the use of the manual overrides. - The proper way to shut down and flush the foam system. The cost of training and materials will be provided by the vendor.	<i>Comply</i> ✓ <i>Exception</i>

FOAM CELL / TANK	
The foam tank should be an integral portion of the polypropylene water tank. The cell should have a capacity of 2 - 30 gallon foam cells with the intended use of Class "A" or "B" foam.	<i>Comply</i> ✓ <i>Exception</i>
WATER AND FOAM LEVEL GAUGES	
There should be an electric water and foam level indicator provided on the gauge panel. The above system should function similar to the standard five (5) lights at the pump panel. The system should be interlocked to the pump in gear circuit, therefore, allowing the lights to be activated only when the pump is put into gear.	<i>Comply</i> ✓ <i>Exception</i>
ELECTRICAL SYSTEMS	
Multiplex electrical system.	<i>Comply</i> ✓ <i>Exception</i>
All wiring should be color, function and number coded. Function and number codes should be continuously imprinted on all wiring harness conductors at 2.00" Inch intervals.	<i>Comply</i> ✓ <i>Exception</i>
Vehicle data recorder - shall be NFPA compliant. Includes occupant detection with display.	<i>Comply</i> ✓ <i>Exception</i>
Crew Guard display for use with VDR.	<i>Comply</i> ✓ <i>Exception</i>
Display location: Driver side of center dash electrical cover.	<i>Comply</i> ✓ <i>Exception</i>
NFPA required Electrical documentation shall be furnished on delivery. All electrical must meet or exceed NFPA 1901.	<i>Comply</i> ✓ <i>Exception</i>
EXTERIOR ELECTRICAL	
Electrical wiring and equipment should be installed utilizing best practices and conform to NFPA 1901.	<i>Comply</i> ✓ <i>Exception</i>
VEHICLE EMERGENCY LIGHTING SYSTEM	
The emergency lighting system must provide the vehicle with 360 degrees of visual warning conspicuity as required in NFPA 1901. The unit should be fully compliant for upper and lower zones.	<i>Comply</i> ✓ <i>Exception</i>
These lights should function in a dual mode system as required by NFPA. All warning lights furnished should be mounted to project their highest effective intensity beams on the horizontal axis.	<i>Comply</i> ✓ <i>Exception</i>
EMERGENCY LIGHTING AND LIGHT BARS	
All lighting shall be Whelen and be of the M series or the super 900 LED scene light. M6 Intersection and Side Body Lights, Side Scene Lights Whelen M9 cab and body. Our intent is to use the most current light heads.	<i>Comply</i> ✓ <i>Exception</i>
Whelen NFPA 4500 series five (5) cab roof LED light bar system, shall consist of the following: One center front 40" wide light bar to include One (1) center mounted GTT795H opticom system, two (2) red/red led 400 series lights on 45 angle, two (2) red over white led 400 series lights inboard on each side of GTT system front mounted. Two (2) 24" light bars mounted in cab corners on 45 degree angle, light bars shall include one (1) center red/red led 400 series mount light, one (1) white over white and one (1) red over red led 400 series lights mounted in end of light bar on 45 degree angle. Two (2) 28" light bars mounted on cab roof sides, light bars shall include two (2) red/red led 400 series lights facing straight out, one (1) amber over red, one red over red led 400 series lights mounted at end of light bar on 45 degree angle. Lens color	

shall match led color. Permanent mount brackets shall be included with light bars. The 400 series double stack led modules shall be available to split flash pattern (provide cross X pattern) and 24" light bars shall be sync flashers. The 400 series LED light modules shall have a 5-year warranty.	<u>Comply</u> ✓ <u>Exception</u>
Two (2) Whelen model MC40ED3R rear LED light bars shall be installed on rear of apparatus each side for upper zone light requirements. These light bars shall have three (3) 400 series double stack red led modules installed. Lights shall have red lens with one amber rear lens cap. The lights shall be permanently mounted each side of hose bed. The 400 series LED light modules shall have a 5-year warranty.	<u>Comply</u> ✓ <u>Exception</u>
A combination of the following Whelen LED lights provided on the apparatus: Two (2) Model: M6 or M7 or approved equal, LED lights. The location of these lights should be one each side on the bumper extension. The color of these lights should be red. Two (2) Model: M6 or M7 or approved equal, LED lights. The location of these lights should be above the rear wheels each side. The color of these lights should be red. Two (2) Model: M6 or M7 or approved equal red LED lights. The location of these lights should be each side aft of crew cab doors. The color of these lights should be red. These lights should be controlled by a lighted switch on the cab instrument panel. All lamps shall have the appropriate chrome bezel.	<u>Comply</u> ✓ <u>Exception</u>
The high beam headlights should flash alternately between the left and right side with a control switch located on the cab instrument panel. Alternating function should be controlled by a solid state electronic flashing module. Lights to automatically cancel upon switching headlights to high beam.	<u>Comply</u> ✓ <u>Exception</u>
A Whelen, Model TAD8 arrow stick or approved equal, eight (8) light L.E.D. array should be recessed and mounted on the rear of the vehicle, between the rear compartment and the hose bed area. A control head should be used to actuate the light.	<u>Comply</u> ✓ <u>Exception</u>
WARNING LIGHT PACKAGES	
Whelen M6RC series LED lower level warning light package. Includes (10) red LED light heads w/chrome M6FC flanges. Locate side facing lights: at forward most position, on side of cab down low just ahead of rear door.	<u>Comply</u> ✓ <u>Exception</u>
WARNING LIGHTS	
Door ajar light LED with audible alarm. Location: center overhead	<u>Comply</u> ✓ <u>Exception</u>
NFPA Required electrical testing shall be furnished on delivery	<u>Comply</u> ✓ <u>Exception</u>
Certification to be provided to confirm that the vehicle's warning light system complies with the requirements of these specifications, NFPA 1901 and those specified by Naples Fire Rescue Department. These certifications do not need to be supplied with the bid response but shall be provided to the Purchaser prior to final acceptance of the vehicle.	<u>Comply</u> ✓ <u>Exception</u>
SIRENS	
Whelen model 295SLSA1 siren with mechanical siren tone and noise canceling microphone. <i>Whelen</i>	<u>Comply</u> ✓ <u>Exception</u>
The speaker system should be two (2) <u>Cast Products model SA2400-series</u> 100 watt speakers recessed in the vehicle's front bumper. This Agency will not accept <u>any</u> grill installed speaker system due to radiator air flow restriction.	<u>Comply</u> ✓ <u>Exception</u>

Q2B-NN siren Location: left front bumper apron.	<i>Comply</i> ✓ <i>Exception</i>
A siren brake button should be installed on the switch panel next to the officer.	<i>Comply</i> ✓ <i>Exception</i>
The driver should have the option to control the siren or the chassis horns from the horn button by means of a selector switch located on the instrument panel next to the driver.	<i>Comply</i> ✓ <i>Exception</i>
SPEAKERS	
Speaker WHELEN SA122FM thru bumper.	<i>Comply</i> ✓ <i>Exception</i>
DOT LIGHTING	
The basic exterior vehicle lighting should comply to FMVSS Standard No.108 and the current NFPA 1901 Standards, amp draw requirements herein include: amber front and rear directional signals and hazard warning lights, front, rear and side marker lights, backup light(s), clearance lamps, emergency warning lights, floodlights, scene lights, and spotlight(s). All lamps shall be LED	<i>Comply</i> ✓ <i>Exception</i>
Whelen M6 light heads shall be used series LED horizontal mount taillights. Includes LED stop/tail, turn and LED white backup lights. With weatherproof connectors.	<i>Comply</i> ✓ <i>Exception</i>
License plate light LED with chrome housing located at the rear of the body.	<i>Comply</i> ✓ <i>Exception</i>
Bracket license plate	<i>Comply</i> ✓ <i>Exception</i>
There should be a Truck Lite # 40803 or approved equal with "WIDE TURN" lettering on the lens installed on each side the rear of the of the body in addition to the LED turn signal light. This light is approximately 12" wide x 7" high. It should be illuminated and flash when the right directional is activated / used.	<i>Comply</i> ✓ <i>Exception</i>
LED Marker Lights	
LED upper cab marker lights on cab roof.	<i>Comply</i> ✓ <i>Exception</i>
LED lower cab lighting Amber side turn/marker each side of Cab.	<i>Comply</i> ✓ <i>Exception</i>
LED Upper Body clearance light each side rear side	<i>Comply</i> ✓ <i>Exception</i>
LED lower body 3 red clearance lights	<i>Comply</i> ✓ <i>Exception</i>
LED lower body 1 red each side trailing edge	<i>Comply</i> ✓ <i>Exception</i>
LED lower body 1 amber each side front of body	<i>Comply</i> ✓ <i>Exception</i>
LED lower body 1 Amber clearance/aux turn light each side front of body	<i>Comply</i> ✓ <i>Exception</i>
LIGHTS - COMPARTMENT, STEP & GROUND	
Medical compartment lighting LED strip light	<i>Comply</i> ✓ <i>Exception</i>
LED compartment strip lighting. Full height. Two (2) ea compartment	<i>Comply</i> ✓ <i>Exception</i>
Ground light package LED - large. NFPA	<i>Comply</i> ✓ <i>Exception</i>
Ground lighting shall be installed under front bumper extension	<i>Comply</i> ✓ <i>Exception</i>
Step lights body LED - large. All steps	<i>Comply</i> ✓ <i>Exception</i>
LIGHTS - DECK AND SCENE	
Whelen PAR PFBS12C Hosebed light. Locate center front of hosebed. Switched with work light switch in cab.	<i>Comply</i> ✓ <i>Exception</i>

Deck/Scene light circuit wiring through chassis reverse.	<i>Comply</i> ✓ <i>Exception</i>
Whelen M6ZC series 26 degree scene lights (PR) clear with weatherproof connectors. Switch in cab (driver and officer side facing lights switched separately). Locate (1) each side facing lights switched each side of cab rearward of forward doors, up high.	<i>Comply</i> ✓ <i>Exception</i>
Whelen M6ZC series 26 degree scene lights (PR) clear with weatherproof connectors. Switch in cab (driver and officer side facing lights switched separately). Locate up high on rear access door.	<i>Comply</i> ✓ <i>Exception</i>
Speedlay light Whelen PAR PFBS12C. Locate to rear of Speedlay and forward of speedlay. Switched with work light switch in cab.	<i>Comply</i> ✓ <i>Exception</i>
Whelen M6ZC series 26 degree scene lights (PR) with weatherproof connectors. To be used as cornering lights wired to turn signals and four way flashers. Interlock through park brake. Location: (1) each side of gravel shield (rearward).	<i>Comply</i> ✓ <i>Exception</i>
Whelen PAR PFBS12C light. Location: rear beavertail area trailing edge up high. Switched with work light switch in cab.	<i>Comply</i> ✓ <i>Exception</i>
LIGHTS - NON-WARNING	
One (1) LED pump compartment light (EA).	<i>Comply</i> ✓ <i>Exception</i>
Maplight-Two Little Lt 18" Flex map lights. Includes on/off switch.	<i>Comply</i> ✓ <i>Exception</i>
Whelen pump panel LED light package with (3) lights per side pump panel.	<i>Comply</i> ✓ <i>Exception</i>
LED Engine compartment lights Two (2)	<i>Comply</i> ✓ <i>Exception</i>
CONTROLS / SWITCHES	
Foot Switch to control air horns located driver's side	<i>Comply</i> / <i>Exception</i>
Lanyard to control air horns located officer's side	<i>Comply</i> ✓ <i>Exception</i>
Foot Switch to control Q2B located driver's side	<i>Comply</i> / <i>Exception</i> _____
Rocker Switch to control Q2B located officer's side	<i>Comply</i> ✓ <i>Exception</i>
Audible door ajar alarm wired thru door ajar light.	<i>Comply</i> ✓ <i>Exception</i> _____
Switch 12V for 110-240V (EA). Location: officer's side overhead console for receptacle in R1 compt.	<i>Comply</i> / <i>Exception</i> _____
Indicator light. Color: Amber. Location and function: R1 for receptacle activation.	<i>Comply</i> ✓ <i>Exception</i> _____
CAMERAS	
Camera backup Safety Vision LCD model SV-CLCD70B-625B. Color Quad camera system. Location of cameras to be determined at preconference meeting.	<i>Comply</i> ✓ <i>Exception</i> _____
MISC ELECTRICAL	
12V power distribution module. Includes (6) battery hot and (6) switched hot circuits. 100 amps max (IATS). Location: behind officer's seat	<i>Comply</i> / <i>Exception</i> _____

Back up alarm 97 dB (A).	<i>Comply</i> ✓ <i>Exception</i>
Color coded and function coded wiring	<i>Comply</i> ✓ <i>Exception</i>
Load manager with automatic high idle function	<i>Comply</i> ✓ <i>Exception</i>
BATTERY CHARGER // CONDITIONER	
A Kussmaul Pump Plus 1200 single output battery charger/air compressor system should be provided. A display bar graph indicating the state of charge should be mounted on the driver's side seat riser. The automatic charger should be capable of delivering one (1) set of batteries a maximum charging current of 40 amps.	<i>Comply</i> ✓ <i>Exception</i>
The 12-volt air compressor shall be installed to maintain the air system pressure when the vehicle is not in use. A selector switch should be provided on the charger to operate the air compressor either as a DC compressor or as an AC compressor. If the selector switch is in the DC position the compressor should operate whenever the pressure switch senses low system pressure, however if in the AC position the shoreline inlet must be plugged in before compressor should operate.	<i>Comply</i> ✓ <i>Exception</i>
The battery charger/compressor should be wired to the 120-volt shoreline to activate automatically when power is connected. Battery charger should be located behind the driver's side seat. A stainless steel cover should be provided over the battery charger and wiring.	<i>Comply</i> ✓ <i>Exception</i>
SHORE POWER WITH AUTO TRANSFER	
To permit operation of the 110V without the use of the generator system, a 20 amp shore-power shall be provided. To protect either the generator or external power source from back-feed a relay should be installed to automatically cut-off the external power source.	<i>Comply</i> ✓ <i>Exception</i>
GENERATOR	
Generator 10KW ONAN hydraulic. Includes generator control / PTO engage switch and a gauge panel located adjacent to breaker box.	<i>Comply</i> ✓ <i>Exception</i>
Generator to be capable of operation while apparatus is in motion	<i>Comply</i> ✓ <i>Exception</i>
A line voltage transfer switch shall be installed that allows components normally powered by the 120-volt shore power connection to be automatically powered by the on board generator upon startup of the generator.	<i>Comply</i> ✓ <i>Exception</i>
GENERATOR TEST	
3rd party generator test with pump.	<i>Comply</i> ✓ <i>Exception</i>
GENERATOR OPTIONS	
Generator air deflector hydraulic. Generator mounted in a pan on body	<i>Comply</i> ✓ <i>Exception</i>
BREAKER BOXES	
Breaker box 12 place single phase. Includes main breaker. Locate L1 forward wall.	<i>Comply</i> ✓ <i>Exception</i>
LIGHTS / QUARTZ	
FRC Quartz light model FCA802-S75-01 or equal 750W/120V pedestal mount. Location(s): officer side of body.	<i>Comply</i> ✓ <i>Exception</i>
FRC Quartz light model FCA802-S75-01 or equal 750W/120V pedestal mount. Location(s): driver side of body.	<i>Comply</i> ✓ <i>Exception</i>

Whelen Pioneer Plus model PFP2 with brow mount. Includes switch in cab 2 (driver and officer side facing lights switched separately). Location(s): driver and officer side over rear cab door.	<i>Comply</i> ✓ <i>Exception</i> ___
Whelen Pioneer Plus model PFP2 with brow mount. Includes switch in cab 2 (driver and officer side facing lights switched separately). Location(s): driver and officer side cab brow.	<i>Comply</i> ✓ <i>Exception</i> ___
Light Whelen Pioneer Plus model PFP1 with bail mount. Includes switch in cab (side 2 facing lights switched separately). Location(s): on rear up high on aerial style brackets.	<i>Comply</i> ✓ <i>Exception</i> ___
TELESCOPING LIGHTS	
Two (2) Fire Research 1000 watt, 240 Volt Focus quartz lights on pull-up telescopic poles should be installed. One (1) quartz light should be installed each side of the top mount operator's position. Lights should be controlled through switches located at the top mount control panel and inside the cab. Each telescopic light should be equipped with a micro-switch or magnetic switch that will activate the "DO NOT MOVE APPARATUS" light in the cab whenever the lights are not in the resting/stored position. These lights should be switched from the pump operator's panel and from inside the cab. Switches for these lights should be on/off actuation switch, with a 12VDC, green indicator light should be provided to actuate a 120/240-volt solenoid switch for each quartz light.	<i>Comply</i> ✓ <i>Exception</i> ___
PERIMETER SCENE LIGHTING	
Four (4) 4.00" Whelen M4 diameter white perimeter scene lights should be provided on each side of the apparatus. One (1) should be installed below the front bumper, one (1) should be installed at the rear of the apparatus, and two (2) below the running board. (Total of 8)	<i>Comply</i> ✓ <i>Exception</i> ___
12 VOLT SCENE LIGHTING - EXTERIOR	
Flood and scene lights should be not less than 75 inches above the ground and unobstructed by equipment. Two (2) flood lights should be located on the left and right side (four total). One on the cab and one on the body. The lights should be recessed and firmly fastened to the reinforced body surface. The Whelen Engineering series 90CENZR halogen light or approved equal should project downward at an angle of approximately 13 degrees. A highly polished stainless steel housing should be used. Floodlight switches should be located in the cab overhead console, and control each side independently.	<i>Comply</i> ✓ <i>Exception</i> ___
RECEPTACLES	
Receptacle twist lock 20A/110V 3 wire NEMA L5-20 with cover plate. Location: driver side rear wheel well offset forward	<i>Comply</i> ✓ <i>Exception</i> ___
Receptacle twist lock 20A/110V 3 wire NEMA L5-20 with cover plate. Location: driver side rear of body	<i>Comply</i> ✓ <i>Exception</i> ___
Receptacle twist lock 20A/110V 3 wire NEMA L5-20 with cover plate. Location: officer side rear of body	<i>Comply</i> ✓ <i>Exception</i> ___
Receptacle twist lock 20A/220V 3 wire NEMA L6-20 with cover plate. Location: R1 high on forward wall connected to the shoreline.	<i>Comply</i> ✓ <i>Exception</i> ___
ELECTRIC CORD REELS	
Preference will be to have the electric cord reel location: officer side pump module. Cord reel rollers mounted thru panel. There will be a aluminum box to hold the Woodhead junction box mounted on the officer side pump module	<i>Comply</i> ✓ <i>Exception</i> ___

, or	
One (1) Hannay 1600 series type electric cord reel four (4) wire should be provided. Reel should be mounted from the ceiling of the right rear side compartment. A Nylatron or equal guide should be provided to help loading and unloading the cord from the reel. 200 feet of 10/4 wire should be provided on the reel. A ball stop should be provided to prevent the cord from being completely rewound onto the reel. The reel should be equipped with a Woodhead or equal junction box with two (2) 120V 20 amp straight blade outlets and two (2) 120V 20 amp twist lock outlets. An indicator light should be provided on the junction box. The junction box should be attached to the end of the cord with a quick disconnect twist lock connector. A stainless steel mounting bracket should be constructed and supplied for the junction box.	<i>Comply</i> ✓ <i>Exception</i>
Cord connector. 3 wire NEMA L5-20 twist lock female	<i>Comply</i> ✓ <i>Exception</i>
Cord reel rollers mounted thru panel.	<i>Comply</i> ✓ <i>Exception</i>
Electric cord reel rewind switch. Switch located near cord reel compt.	<i>Comply</i> ✓ <i>Exception</i>
Cord reel rollers mounted on reel.	<i>Comply</i> ✓ <i>Exception</i>
Cord connector. Daniel Woodhead 3 wire NEMA L5-20 twist lock female located on cord for reel in pump module storage pan officer side	<i>Comply</i> ✓ <i>Exception</i>
MISC LOOSE EQUIPMENT	
DOT Required Drive Away Kit - Kit includes three (3) triangular warning reflectors with carrying case. This kit is for the end user and is to remain with the truck.	<i>Comply</i> ✓ <i>Exception</i>
Sentra Lock Knox Box. Supplied and Installed	<i>Comply</i> ✓ <i>Exception</i>
EXTERIOR PAINT	
Cab paint break - Gold Leaf	<i>Comply</i> ✓ <i>Exception</i>
Paint chassis cab Color: Naples Red. Paint Codes TBD	<i>Comply</i> ✓ <i>Exception</i>
Cab paint two-tone. Upper area of cab to be painted Black. Paint Codes TBD	<i>Comply</i> ✓ <i>Exception</i>
Paint Body For Pumper excluding roll-up doors, Color: Naples Red.	<i>Comply</i> ✓ <i>Exception</i>
Paint Body Header to Job Color Black	<i>Comply</i> ✓ <i>Exception</i>
Paint exterior surface of outer steel wheels. Color: Naples Red	<i>Comply</i> ✓ <i>Exception</i>
INTERIOR PAINT	
Specify interior of the cab color.	<i>Comply</i> ✓ <i>Exception</i>
STRIPING/LETTERING	
NFPA Required reflective striping to be applied.	<i>Comply</i> ✓ <i>Exception</i>
The lettering shall be applied in genuine gold leaf material, shaded in black and encapsulated in clear Mylar. A quantity of fifty (50), four (4) inch letters are to be placed on the cab and on the body as directed by fire department	<i>Comply</i> ✓ <i>Exception</i>
A "KEEP BACK 500 FEET" sign with reflective lettering shall be provided and installed on the rear of the vehicle as directed by the Fire Department.	<i>Comply</i> ✓ <i>Exception</i>
Diamond Grade Chevrons on Rear	<i>Comply</i> ✓ <i>Exception</i>
WARRANTY / STANDARD & EXTENDED	
1-year Standard Bumper to Bumper Warranty	<i>Comply</i> ✓ <i>Exception</i>
Lifetime Chassis Frame Rail and Crossmember Warranty	<i>Comply</i> ✓ <i>Exception</i>
Specify Cab Structural Warranty - Statement of Warranty	<i>Comply</i> ✓ <i>Exception</i>

10-year Stainless Steel Plumbing Warranty - Statement of Warranty
A full five (5) year warranty should be provided for the pump by the pump Manufacturer.
Paint and Perforation Warranty - For Paint
SUPPORT, DELIVERY, INSPECTIONS AND MANUALS
Vehicle familiarization.
Approval Drawings-Required
Two (2) sets of manuals, operator, service and exploded view parts CD-ROM.
Dealer Supplied Equipment - see attached
Local Service Facility within 150 miles of the City of Naples Fire Headquarters.

<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>
<i>Comply</i> ✓ <i>Exception</i>

BID FORM

Manufacturer and Model Bid;

Rosenbauer Custom Pumper w/ Spartan Gladiator Chassis

Total price Delivered to the City of Naples Equipment shop or Fire Station;

\$481,437.00

Approximate Construction Time;

270 Days

*Rosenbauer America is pleased to offer a chassis pre-payment discount of \$9,700.00 if chassis paid for when chassis arrives at Rosenbauer manufacturing facility.