PUBLIC NOTICE

NOTICE IS HEREBY GIVEN THAT THE TANGIPAHOA PARISH RURAL FIRE PROTECTION DISTRICT NO. 2 WILL MEET IN **REGULAR SESSION** ON MONDAY, JANUARY 22, 2024 IMMEDIATELY FOLLOWING THE REGULAR MEETING OF THE TANGIPAHOA PARISH COUNCIL AT THE TANGIPAHOA PARISH GORDON A BURGESS GOVERNMENTAL BUILDING, 206 EAST MULBERRY STREET, AMITE, LA.

AGENDA
TANGIPAHOA PARISH RURAL FIRE PROTECTION DISTRICT NO. 2
REGULAR MEETING
JANUARY 22, 2024

CALL TO ORDER

ROLL CALL

1. 2024 Election of Officers

PUBLIC INPUT - *Anyone Wishing to Address any Agenda Item*

ADOPTION OF MINUTES regular meeting dated December 11, 2023

HAMMOND FIRE MATTERS

2. Approval to Purchase a New Rescue Truck
3. Approval to Purchase a Fire Engine Truck
4. Ratification of (2) Part-time positions

LORANGER FIRE MATTERS

5. Ratification of (1) Full-time position
6. Ratification of (2) pay raises

EIGHTH WARD FIRE MATTERS

7. Approval to Repair Engine -88

ADMINISTRATORS REPORT

OTHER FIRE MATTERS

8. Annual Report of Compliance with Sexual Harassment Policy of 2023
9. Renewal of Accounting Services Contract with James Lambert Riggs & Associates, Inc
10. Discussion and possible action Tangipahoa Parish Rural Fire Protection District No. 2 Fire Contract

ADJOURN

S/ Louis Joseph, President
T. P. Rural Fire District No. 2

POSTED January 18, 2024

S/Jill DeSouge, Acting Secretary
T. P. Rural Fire District No. 2

PUBLISHED DAILY STAR January 18, 2024

From: Willie Landry <willie@BONAFIRE.COM>
Sent: Friday, December 8, 2023 2:24 PM
To: Bruce Jenkins <bruce@hammondrural.com>; paul@hammondrural.com
Subject: FW: Hammon Rural FD - Rescue Specs - Upper body cmpts

Chief,

See updated Specs and pricing

Attached are the Hammon Rural FD - Rescue Specs with Upper body compartments.

Selling: $296,246.00 State LAMAS Contract

Thank You,

Willie A.T. Landry

BONAVENTURE FIRE + SAFETY

Cell: 985-507-9275
Ofc: 800-650-4900
E: willie@bonafire.com
www.bonafire.com

rosenbauer

One (1)
00-00-1634

NFPA SPECIAL SERVICE EQUIPMENT ALLOWANCE

In compliance with the current NFPA 1901 guidelines, the apparatus shall be engineered to provide an allow of 2000 pounds of fire department provided loose equipment.

One (1)
01-06-0500

CENTER OF GRAVITY

The apparatus, prior to acceptance, will be required to meet the vehicle stability of the applicable NFPA Automotive Fire Apparatus Standard.

A calculated center of gravity shall be provided. The calculated or measured center of gravity (CG) shall be no higher that 80-percent of the rear axle track width. If so, a tilt table test at the apparatus body builder's facility or Electronic Stability Control (ESC) must be provided on the chassis meeting the requirement of the NFPA 1901 Guideline.

One (1)
01-16-0150

BODY WARRANTY

We warrant each new motorized fire apparatus manufactured by ROSENBAUER AMERICA, LLC for a period of ONE YEAR from the date of delivery, except for chassis and other components noted herein.

Under this warranty we agree to furnish any parts to replace those that have failed due to defective material or workmanship where there is no indication of abuse, neglect, unusual or other than normal service providing that such parts are, at the option of ROSENBAUER AMERICA, LLC, made available for our inspection at our request, returned to our factory or other location designated by us with transportation prepaid within thirty days after the date of failure or within one year from the date of delivery of the apparatus to the original purchaser, whichever occurs first, and inspection indicates the failure was attributed to defective material or workmanship.

The warranty on the chassis and chassis supplied components, storage batteries, generators, electrical lamps and other devices subject to deterioration is limited to the warranty of the manufacturer thereof and adjustments for the same are to be made directly with the manufacturer by the customer.

This warranty will not apply to any fire apparatus that has been repaired or altered outside our factory in any way, which in our opinion might affect its stability or reliability.

This warranty shall not apply to those items that are usually considered normal maintenance and upkeep services: including, but not limited to, normal lubrication or proper adjustment of minor auxiliary pumps or reels.

This warranty is in lieu of all other warranties, expressed or implied, and all other obligations or liabilities on our part. We neither assume nor authorize any person to assume for us any liability in connection with the sales of our apparatus unless made in writing by ROSENBAUER AMERICA, LLC.

One (1)
01-19-0250

ALUMINUM BODY WARRANTY - FIVE YEAR

Rosenbauer America, LLC warrants to the original purchaser only, that the all-aluminum body, fabricated by Rosenbauer America, LLC, under normal use and with reasonable maintenance, be structurally sound and will remain free from corrosion perforation for a period of FIVE (5) years.

This warranty does not apply to the following items that are covered by a separate warranty: paint finish, hardware, moldings, and other accessories attached to this body. In addition, this warranty does not apply to any part or accessory manufactured by others and attached to this body.

ROSENBAUER AMERICA, LLC MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE ALUMINUM BODY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND HEREBY DISCLAIMED.

Rosenbauer America, LLC will replace without charge, repair or make a fair allowance for any defect in material or workmanship demonstrated to its satisfaction to have existed at the time of delivery or not due to misuse, negligence, or accident. If Rosenbauer America, LLC elects to repair this body, the extent of such repair shall be determined solely by Rosenbauer America, LLC, and shall be performed solely at the Rosenbauer America, LLC factory, or at an approved facility. The expense of any transportation to or from such repair facility shall be borne by the purchaser and is not an item covered under this warranty.

Rosenbauer America, LLC will not be liable for damages and under no circumstances will its liability exceed the price for a defective body. The remedies set forth herein are exclusive and in substitution for all other remedies to which the purchaser would otherwise be entitled.

Rosenbauer America, LLC will be given a reasonable opportunity to investigate all claims. The purchaser must commence any action arising out of, based upon or relating to agreement or the breach hereof, within twelve months from the date the cause of the action occurred.

One (1)
01-20-0200

PAINT WARRANTY FIVE YEAR

The manufacturer shall provide a five (5) year paint warranty for all portions of the apparatus that they have painted. The manufacturer shall supply details of their warranty information with their bid submission.

One (1)
01-33-3100

BODY MANUAL - PRINTED

Rosenbauer shall provide with the vehicle upon delivery, one (1) complete delivery manual. This manual shall be in a notebook type binder, with reference tabs for each section of the vehicle.

Within each section shall be:

- Individual component manufacturer instruction and parts manuals
- Warranty forms for the body
- Warranty forms for all major components
- Warranty instructions and format to be used in compliance with warranty obligations
- Wiring diagrams
- Installation instruction and drawings for major parts
- Visual graphics and electronic photos for the installation of major parts
- Necessary normal routine service forms, publications and components of the body portion of the apparatus
- Technical publications for training and instruction on major body components
- Warning and safety related notices for personnel protection
- Cab and chassis manuals on parts, service and maintenance shall be provided

One (1)
02-90-1000

FORD F-Series CHASSIS

A Ford F-Series chassis per the attached specifications shall be furnished:

Ford
F-600
2-Door
2-Wheel Drive
Diesel
Automatic
84” CA
Rubber Floormats
Vinyl Seats
Bucket seats (unless 40/20/40 seats are used and the center 20 is removed)
Remote Mirrors
Red

One (1)
50-03-1000

LOW VOLTAGE ELECTRICAL SYSTEM SPECIFICATIONS

The electrical system shall include all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standards, the latest Federal DOT standards, and the requirements of the applicable NFPA standards.

All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for the protected circuit. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. All exposed wiring shall be protected in a loom with a minimum 289 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels.

The wiring between the cab and body shall be joined using Deutsche type connectors or an enclosed in a terminal junction panel area. This system will permit body removal with minimal impact on the apparatus electrical system. All connections shall be crimp-type with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather-resistant connectors shall be provided throughout to ensure the integrity of the electrical system.

Any electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. In addition, the main body junction panel shall house the automatic reset breakers and relays where required.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless they are enclosed in a junction box or covered with a removable electrical panel. The wiring shall be secured in place and protected against heat, liquid contaminants and damage. Wiring shall be uniquely identified every three-inches (3") by color coding or permanent marking with a circuit function code and identified on a reference chart or electrical wiring schematic per requirements of applicable NFPA #1901 standards.

The electrical circuits shall be provided with low voltage overcurrent protective devices. Such devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. The overcurrent protection shall be suitable for electrical equipment and shall be automatic reset type and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.

The electrical system shall include the following:

- Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. A corrosion preventative compound shall be applicable to all terminal plugs located outside of the cab or body.
- The electrical wiring shall be harnessed or be placed in a protective loom.
- Holes made in the roof shall be caulked with silicone. Large fender washers shall be used when fastening equipment to the underside of the cab roof.
- Any electrical component that is installed in an exposed area shall be mounted in a manner that will not allow moisture to accumulate in it.
- A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.

- All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.

The warning lights shall be switched in the chassis cab with labeled switches in an accessible location. Individual rocker switches shall be provided only for warning lights provided over the minimum level of warning lights in either the stationary or moving modes. All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator. The warning light switches shall be of the rocker type. For easy nighttime operation, an integral indicator light shall be provided to indicate when the circuit is energized. All switches shall be appropriately identified as to their function.

A single warning light switch shall activate all required warning lights. This switch will allow the vehicle to respond to an emergency and "call for the right of way". When the parking brake is applied, a "blocking right of way" system shall automatically activate per requirements of the applicable NFPA standards. All "clear" warning lights shall be automatically turned off upon application of the parking brake.

NFPA REQUIRED TESTING OF ELECTRICAL SYSTEM

The apparatus shall be electrically tested upon completion of the vehicle and prior to delivery. The electrical testing, certifications, and test results shall be submitted with delivery documentation per requirements of the applicable NFPA standards. The following minimum testing shall be completed by the apparatus manufacturer:

1. Reserve capacity test:

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a failed test.

2. Alternator performance test at idle:

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal

operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

3. Alternator performance test at full load:

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system is permitted during this test. However, if an alarm sounds due to excessive battery discharge, as detected by the system requirements in the NFPA standards, or a system voltage of less than 11.7 volts dc for more than 120 seconds is present, the test has failed.

4. Low voltage alarm test:

Following the completion of the above tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts dc for a 12 volt system shall be considered a test failure. The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.

NFPA REQUIRED DOCUMENTATION

The following documentation shall be provided on delivery of the apparatus:

a. Documentation of the electrical system performance tests required above.
b. A written load analysis, including:

1. The nameplate rating of the alternator.
2. The alternator rating under the conditions.
3. Each specified component load.
4. Individual intermittent loads.

One (1)
50-05-1510

WEATHER RESISTANT ELECTRICAL JUNCTION BOX

The electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. In addition, the main body junction panel

shall house the automatic reset breakers and relays where required. The main body junction panel shall be located in the pump compartment.

One (1)
50-12-1120

ELECTRICAL CONSOLE WITH EMERGENCY LIGHT SWITCH PANEL – THERMAL COATED

An electrical console shall be constructed of .125" black LineX coated smooth aluminum material, and mounted in the cab of the truck chassis. Console shall be designed and installed between the driver and passenger seats. The top face of the console shall be designed as the switch panel for all emergency light switches. The switch panel shall be hinged for easy access to the switch connections.

All emergency light switches shall be lighted, rocker style. Switches shall be internally lit when the switch circuit is in the on position. A plug-in identification label is to be provided and installed adjacent to each rocker switch with backlighting provided behind the label.

SWITCHES

A rocker style internally lighted switch shall be provided and wired through a heavy-duty relay to activate power to the emergency lights. The emergency lights shall be activated by a single "MASTER SWITCH" on the electrical console.

One (1)
50-15-1100

BATTERY SYSTEM

The battery system shall be supplied with the chassis.

One (1)
50-15-3200

MASTER ELECTRIC SWITCH

A master battery disconnect switch shall be located conveniently to the driver of the apparatus. The switch shall disconnect the 12 volt power supply from the battery system.

A green "Master On" light shall be provided. This light shall illuminate anytime the master switch is in the "ON" position.

One (1)
08-08-KMCS

BATTERY CHARGER

A Kussmaul Chief series model #091-266-12-60, high output battery charger shall be wired to the 12-volt battery system. The charger unit shall be mounted in a clean dry area and will be accessible for service and/or maintenance.

One (1)
08-08-0001

CHARGER LOCATION

The battery charger shall be located behind the driver's seat.

One (1)
08-08-2224

SHORELINE INLET

There shall be a Kussmaul 20-amp super auto eject with a yellow cover and integrated digital display supplied.

One (1)
08-08-06SF

SHORELINE LOCATION

The shoreline shall be located in the driver's front stepwell.

Please Specify Location

One (1)
51-05-6200

ENGINE COMPARTMENT LIGHT

One (1) 12 volt LED light with switch shall be mounted in the engine enclosure.

One (1)
51-05-9000

The control switch shall be mounted on the light head.

One (1)
52-01-1200

BACK-UP ALARM

An automatic electric back-up alarm shall be wired to the back-up light circuit, and mounted under the rear of the apparatus body.

One (1)
52-02-4100

130° CAMERA WITH 18 INFRARED ILLUMINATORS & 7" DIGITAL MONITOR

A Fire Research inView™ TrueSight™ model BCA111-A00 kit shall include: (1) one 130° camera with 18 infrared illuminators and (1) one 7" digital monitor.

The 130° Camera shall include the following features:

- ⅓" SONY® Color CCD Sensor, 250,000 pixels for Picture Elements and Gamma Correction with R=0.45 to 1.0. Camera shall have Mirror Image capability.
- One (1) 66 ft. Extension Cable shall be included for the camera.
- One (1) Screw Kit shall be provided for camera installation.
- The camera shall have a built-in high gain microphone.
- The Image Sensor shall provide 600 TV Lines PAL: 500(H) *582(V), NTSC: 510(H) *492(V).
- The 2.1MM Lens shall have a 130° Viewing Angle.
- The Waterproof rating shall be IP69K.
- The 130° Camera shall include an Internal Synchronization Sync System.
- Infrared Distance shall be 50 Ft. (18 Infrared IR). The Usable Illumination shall be 0 Lux (with IR ON).
- The Power Source shall be DC 12V (+/-10%).
- Signal-to-Noise ratio (S/N Ratio) shall be rated for higher than 48DB.
- The Electronic Iris rating shall be 1/50, 1/60-1/100,000 seconds.
- Video Output rating shall be 1VP.P 75 Ω.
- The IR Switch Control shall have a CDS Automatic Control.
- Vibration and Impact Rating shall be 20G/100G.
- The Operating and Storage Temperature ratings both shall be -40°F ~ +176°F / RH 95% Max.

The model BCA111-A00 kit shall also include (1) one **7" TFT LCD Digital Color Monitor**. The specifications shall be as follows for the monitor:

- Dot Resolution: 800 x 3 (RGB) x 480
- Display Format/Contrast: 16:9 / 500:1
- Display Brightness: 400 CD/m^2
- Viewing Angle: U:50° D:60° L/R:70°
- 3 Channel Video Input
- 1 VP-P, 75Ω
- Power Supply – DC 12V-24V (+/-10%)
- Power Consumption – 5W
- Operating Temperature: -22°F ~ +176°F
- Video System: Auto NTSC/PAL
- Overall Dimensions: 7" (L) x 5" (H) x 1" (D)
- Weight: 400G
- Vibration Rating: 5G
- Dot Pitch: 0.192 (H) x 0.1805 (V)

- Internal Sync System

One (1)
52-08-1009

HAND LIGHTS

All NFPA required portable hand lights supplied by the Customer must be installed before the apparatus is placed into service.

One (1)
53-01-1200

MARKER LIGHTS

LED marker lights shall be installed on the vehicle in conformance to the Department of Transportation requirements.

One (1)
53-02-1200

LICENSE PLATE BRACKET

A stainless steel license plate bracket shall be provided at the rear of the apparatus. The bracket shall have a LED light.

One (1)
53-03-2752

TAIL LIGHTS

One (1) pair of Whelen M62BTTC LED tail/brake lights shall be provided. The rectangular 4"x6" lights shall be red with clear lens.

One (1)
53-04-2752

TURN SIGNALS

One (1) pair of Whelen M62TC LED turn signals with populated sequential chevron arrow and clear lens shall be provided.

One (1)
53-06-3550

BACKUP LIGHTS

One (1) pair of Whelen Series M62BU LED backup lights shall be installed on the rear of the apparatus body. The dimensions shall be 4" x 6" and the lens color shall be clear.

One (1)
53-07-1210

FOUR LIGHT HOUSING

One (1) pair of chrome plated tail light housings shall be supplied. Each housing shall be designed to hold four (4) Whelen M6 rear lights located at the lower rear corners of the body.

One (1)
54-02-1420

GROUND LIGHTS

Each door shall include a Whelen 3SC0CDCR LED NFPA compliant ground light mounted to the underside of the cab step below each door.

Each light shall include a polycarbonate lens, a housing which is vibration welded and a bulb which shall be shock mounted for extended life.

The ground lighting shall be activated when the parking brake is set.

One (1)
54-03-1420

GROUND LIGHTS

There shall be two (2), one each side, Whelen 3SC0CDCR LED NFPA compliant ground light mounted to the underside of the rub rail, mid body.

Each light shall include a polycarbonate lens, a housing which is vibration welded and a bulb which shall be shock mounted for extended life.

The ground lighting shall be activated when the parking brake is set.

One (1)
54-03-1620

GROUND LIGHTS

There shall be two (2) Whelen 3SC0CDCR LED NFPA compliant ground light mounted to the underside of the rear step.

Each light shall include a polycarbonate lens, a housing which is vibration welded and a bulb which shall be shock mounted for extended life.

The ground lighting shall be activated when the parking brake is set.

One (1)
54-04-1999

The ground lights shall automatically activate when the parking brake is applied.

Two (2)
54-10-1450

REAR TAILBOARD LIGHTS

Two (2) LED step lights with clear lens shall be installed to illuminate the step surfaces at the rear of the apparatus body.

One (1)
54-11-2100

The step/walkway light switch shall be installed and wired to the parking brake.

Two (2)
51-20-3500

LIGHT MOUNTING LOCATION

The mounting location for the specified light shall be on the front of the apparatus body.

Two (2)
51-16-5093

SCENE LIGHT

Two (2) FireTech FT-SL-X-15-SW pole mounted scene light shall be provided. The light shall have a black housing.

Two (2)
51-15-2100

TELESCOPIC POLE

Two (2) Fire Research 530 series side mount bottom raise telescopic light pole shall be provided. The light pole shall extend approximately 30” in height and be anodized aluminum. A knurled twist lock mechanism to secure the extension pole in position shall be included with the pole.

Two (2)
51-20-4100

LIGHT SWITCH ON LAMPHEAD

A switch shall be installed on the LED light lamphead. The weatherproof on-off toggle switch shall be mounted on the lower left side of the lamphead.

Two (2)
51-20-4200

LIGHT SWITCH REMOTE LOCATION

A switch shall be installed from a remote location in the chassis cab. The weatherproof switch shall be used for the remote switching.

Two (2)
54-15-6400

SCENE LIGHT SWITCHING

Two (2) scene light switch with indicator shall be installed on the cab main switch panel to control the left side scene light(s). The switch shall be labeled "LEFT SCENE".

Two (2)
54-15-6500

SCENE LIGHT SWITCHING

Two (2) scene light switch with indicator shall be installed on the cab main switch panel to control the right side scene light(s). The switch shall be labeled "RIGHT SCENE".

Two (2)
54-15-5924

LEFT SIDE BODY SCENE LIGHTING

The following scene lighting shall be located on the left side of the body:

Two (2)
54-15-1290

SCENE LIGHT

Two (2) Whelen M9 Series Model # M9LZC scene light(s) shall be provided. The steady burn scene light shall incorporate Linear Super-LED® and Smart LED® technology.

The M9LZC shall be furnished with a chrome trim ring, a rubber gasket, screws, and screw grommets for installation. The M9LZC shall have the ability to be installed as a surface mount scene light.
Voltage: +12v
Size: H=6.51”, W=10.34”, D=1.892”
Amp Draw: 6.0 Amps
Lens Color: Clear

One (1)
54-15-6400

SCENE LIGHT SWITCHING

One (1) scene light switch with indicator shall be installed on the cab main switch panel to control the left side scene light(s). The switch shall be labeled "LEFT SCENE".

NOTE: SWITCH FOR LEFT SCENE LIGHTS TO BE ON SIREN HEAD. LEFT ALLEY LIGHT AND LEFT BODY SCENE LIGHTS TO COME ON WITH THE SAME SWITCH.

Two (2)
54-15-5928

RIGHT SIDE BODY SCENE LIGHTING

The following scene lighting shall be located on the right side of the body:

Two (2)
54-15-1290

SCENE LIGHT

Two (2) Whelen M9 Series Model # M9LZC scene light(s) shall be provided. The steady burn scene light shall incorporate Linear Super-LED® and Smart LED® technology.

The M9LZC shall be furnished with a chrome trim ring, a rubber gasket, screws, and screw grommets for installation. The M9LZC shall have the ability to be installed as a surface mount scene light.
Voltage: +12v
Size: H=6.51", W=10.34", D=1.892"
Amp Draw: 6.0 Amps
Lens Color: Clear

One (1)
54-15-6500

SCENE LIGHT SWITCHING

One (1) scene light switch with indicator shall be installed on the cab main switch panel to control the right side scene light(s). The switch shall be labeled "RIGHT SCENE".

NOTE: SWITCH FOR RIGHT SCENE LIGHTS TO BE ON SIREN HEAD. RIGHT ALLEY LIGHT AND RIGHT BODY SCENE LIGHTS TO COME ON WITH THE SAME SWITCH.

Two (2)
54-15-5932

REAR BODY SCENE LIGHTING

The following scene lighting shall be located on the rear of the body:

Two (2)
54-15-1290

SCENE LIGHT

Two (2) Whelen M9 Series Model # M9LZC scene light(s) shall be provided. The steady burn scene light shall incorporate Linear Super-LED® and Smart LED® technology.

The M9LZC shall be furnished with a chrome trim ring, a rubber gasket, screws, and screw grommets for installation. The M9LZC shall have the ability to be installed as a surface mount scene light.
Voltage: +12v
Size: H=6.51", W=10.34", D=1.892"
Amp Draw: 6.0 Amps
Lens Color: Clear

One (1)
54-15-6600

SCENE LIGHT SWITCHING

One (1) scene light switch with indicator shall be installed on the cab main switch panel to control the rear scene light(s). The switch shall be labeled "REAR SCENE".

NOTE: SWITCH FOR REAR SCENE LIGHTS TO BE ON SIREN HEAD.

One (1)
54-15-6700

SCENE LIGHT SWITCHING

The rear scene lights shall activate automatically upon placing the transmission into reverse.

One (1)
55-11-1200

DOOR OPEN/HAZARD WARNING LIGHT

A red flashing, warning light shall be provided and installed in the driver's compartment to indicate an open passenger or apparatus compartment door. The warning light shall also be attached to folding equipment racks and light towers as specified. The light shall be a flashing rectangular incandescent marker light with a red lens and shall be properly marked and identified.

One (1)
56-01-1800

ELECTRIC SIREN AND CONTROL

A Whelen model #295SLSA6 electronic siren shall be mounted in the cab. This unit features nineteen (19) scan lock siren tones, including wail, yelp, piercer, hi/low, air horn and shall have a hard wired PA microphone.

NOTE: LIGHT BAR TAKE DOWN AND RESPECTIVE SIDE SCENE LIGHTS (ALLEY/BODY SCENE LIGHTS) SHALL BE CONTROLLED BY BUTTONS ON SIREN HEAD.

THE RESPECTIVE SIDE ALLEY LIGHT AND SIDE BODY SCENE LIGHTS SHALL BE ON THE SAME SWITCH.

One (1)
56-02-1600

SPEAKER

One (1) Federal Signal DynaMax 100-watt speaker, Model #ES100C, shall be installed. The speaker shall feature a Neodymium driver and a high strength

composite housing that is chemical resistant and maintains rigidity at high temperatures.

One (1)
56-02-1650

SPEAKER

One (1) stainless steel grille shall be installed on the speaker.

One (1)
56-03-1800

SPEAKER LOCATION

The siren speaker shall be installed on the apparatus bumper extension, as determined by the body manufacturer.

One (1)
57-02-1900

LIGHTBAR

One (1) Whelen Justice series light bar shall be included with the apparatus cab. The light bar shall be a model JE2NFPA and shall be mounted on the roof of the cab, towards the front, above the windshield.

The light bar shall feature:

- A 56" light bar designed for high performance
- Four (4) red Linear Super LED corner modules
- Four (4) red CON3 LED hinged modules
- Two (2) white CON3 LED hinged modules with exterior clear optic lenses
- Clear hard coated lenses to provide extended life/luster protection against UV & chemical stresses
- Designed in accordance with NFPA Zone A requirements

One (1)
57-10-0600

LIGHTBAR ACTIVATION

The front upper light bar shall be activated through the master warning switch.

58-71-1770

UPPER REAR WARNING LIGHTS

One (1) pair of Whelen model M9 LED warning lights shall be installed, one each side on the upper rear of the apparatus body. The dimensions of the lights shall be 6-1/2" x 10-3/8".

One (1)
57-20-1410

The driver side warning light shall be a Whelen Model M9RC red Super-LED™ with clear lens.

One (1)
57-20-1413

The officer side warning light shall be a Whelen Model M9BC blue Super-LED™ with clear lens.

Two (2)
58-01-2180

Each light shall be mounted with a Whelen Model M9FC chrome flange.

One (1)
58-46-2100

UPPER SIDE FRONT WARNING LIGHTS

One (1) pair of Whelen model M9 LED warning lights shall be installed, on the upper portion of the body side, towards the front. The dimensions of the lights shall be 6-1/2" x 10-3/8".

One (1)
57-20-1410

The driver side warning light shall be a Whelen Model M9RC red Super-LED™ with clear lens.

One (1)
57-20-1411

The officer side warning light shall be a Whelen Model M9RC red Super-LED™ with clear lens.

Two (2)
58-01-2180

Each light shall be mounted with a Whelen Model M9FC chrome flange.

One (1)
58-61-2100

UPPER SIDE REAR WARNING LIGHTS

One (1) pair of Whelen model M9 LED warning lights shall be installed, one each side on the upper portion of the body side, towards the rear of the body. The dimensions of the lights shall be 6-1/2" x 10-3/8".

One (1)
57-20-1410

The driver side warning light shall be a Whelen Model M9RC red Super-LED™ with clear lens.

One (1)
57-20-1411

The officer side warning light shall be a Whelen Model M9RC red Super-LED™ with clear lens.

Two (2)
58-01-2180

Each light shall be mounted with a Whelen Model M9FC chrome flange.

One (1)
58-03-2000

LOWER FRONT WARNING LIGHTS

One (1) pair of Whelen model M6 LED warning lights shall be installed, one each side one the front of the chassis cab. The dimensions of the lights shall be 4-5/16" x 6-3/4".

One (1)
57-20-1210

The driver side warning light shall be a Whelen Model M6RC red Super-LED™ with clear lens.

One (1)
57-20-1211

The officer side warning light shall be a Whelen Model M6RC red Super-LED™ with clear lens.

Two (2)
58-01-2140

Each light shall be mounted with a Whelen Model M6FC chrome flange.

One (1)
58-09-2000

INTERSECTION WARNING LIGHTS

One (1) pair of Whelen model M6 LED warning lights shall be installed one each side of the chassis cab. The dimensions of the lights shall be 4-5/16" x 6-3/4".

One (1)
57-20-1210

The driver side warning light shall be a Whelen Model M6RC red Super-LED™ with clear lens.

One (1)
57-20-1211

The officer side warning light shall be a Whelen Model M6RC red Super-LED™ with clear lens.

Two (2)
58-01-2140

Each light shall be mounted with a Whelen Model M6FC chrome flange.

One (1)
58-26-2400

LOWER MID-BODY WARNING LIGHTS

One (1) pair of Whelen model M2 LED warning lights, model M2WR, shall be installed , one each side of the apparatus, mid-body in the rub rail. The dimensions of the lights shall be 4-1/4" x 2-11/16".

One (1)
57-20-1010

The driver side warning light shall be a Whelen Model M2WRC wide-angle red Super-LED™ with clear lens.

One (1)
57-20-1011

The officer side warning light shall be a Whelen Model M2WRC wide-angle red Super-LED™ with clear lens.

Two (2)
58-01-2100

Each light shall be mounted with a Whelen Model M2FC chrome flange.

One (1)
58-36-2400

LOWER REAR SIDE WARNING LIGHTS

One (1) pair of Whelen model M2 LED warning lights shall be installed , one each side of the apparatus, towards the rear of the body, in the rub rail. The dimensions of the lights shall be 4-1/4" x 2-11/16".

One (1)
57-20-1010

The driver side warning light shall be a Whelen Model M2WRC wide-angle red Super-LED™ with clear lens.

One (1)
57-20-1011

The officer side warning light shall be a Whelen Model M2WRC wide-angle red Super-LED™ with clear lens.

Two (2)
58-01-2100

Each light shall be mounted with a Whelen Model M2FC chrome flange.

One (1)
58-81-2000

LOWER REAR WARNING LIGHTS

One (1) pair of Whelen model M6 LED warning lights shall be installed, one each side on the lower rear of the apparatus body. The dimensions of the lights shall be 4-5/16" x 6-3/4".

One (1)
57-20-1212

The driver side warning light shall be a Whelen Model M6BC blue Super-LED™ with clear lens.

One (1)
57-20-1211

The officer side warning light shall be a Whelen Model M6RC red Super-LED™ with clear lens.

One (1)
10-02-1100

FLUID DATA PLAQUE

A fluid data plaque containing required information shall be provided based on the applicable components for this apparatus, compliant with NFPA Standards:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Drive axle lubricant
- Power steering fluid
- Pump transmission lubrication fluid
- Other NFPA applicable fluid levels or data as required

Location shall be in the driver's compartment or on driver's door.

One (1)
10-02-1200

HEIGHT LENGTH & WEIGHT WARNING LABEL

A highly visible label indicating the overall height, length, and weight of the vehicle shall be installed in the cab dash area.

One (1)
10-02-1300

NO RIDE LABEL

A "NO RIDERS" label shall be applied on the vehicle at the rear step area or other applicable areas. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion is prohibited.

One (1)
10-02-2100

CAB SEATING POSITION LIMITS

A label shall be installed in the cab to indicate seating positions for firefighters. A weight allowance of 250 pounds for each shall be factored into the gross vehicle weight rating of the chassis.

One (1)
10-02-2500

HELMET WARNING TAG

A label shall be installed in the cab, visible from each seating position. The label shall read "CAUTION: DO NOT WEAR HELMET WHILE SEATED." Helmets must be properly stowed while the vehicle is in motion according to the current edition of NFPA 1901.

One (1)
10-03-6010

REAR TOWING PROVISIONS

There shall be two tow eyes furnished under the rear of the body and attached. There shall be a reinforcement spreader bar connecting the two tow eyes. Tow eyes are to be constructed of 3/8" plate steel with a 4" I.D. hole, large enough for passing through a tow chain end hook.

One (1)
80-43-2400

The tow plates shall be painted black.

One (1)
10-06-1110

HUB AND LUG NUT COVERS

The apparatus shall have chrome or stainless steel hub and lug nut covers on the front and single rear axles.

One (1)
10-06-1600

TIRE PRESSURE INDICATOR

There shall be a tire pressure indicator, p/n RWTG1235, at each tire's valve stem on the vehicle that shall indicate if there is insufficient pressure in the specific tire.

One (1)
10-07-1500

EXHAUST HEAT SHIELD

A heat shield shall be installed under the body in the areas where the exhaust system is routed.

One (1)
10-08-2100

REAR MUD FLAPS

A pair of black mud flaps shall be installed behind the rear wheels.

One (1)
10-10-8100

ALUMINUM RUNNING BOARDS

There shall be a set of aluminum running boards furnished on each side of the two-door commercial chassis that extend from behind the front wheel to the rear of the two-door cab. The running boards shall have slip resistant overlay material installed on each step surface.

One (1)
34-00-1100

3/16" ALUMINUM BODY

The body shall be fabricated of aluminum extrusions, smooth aluminum sheet and aluminum treadplate.

The aluminum extrusion alloy shall be 6061 with a temper rating of T6, and have a tensile strength of 45,000 PSI and yield strength of 40,000 pounds. The aluminum extrusions shall 3" x 3" aluminum tubing, 1-3/4" x 3" aluminum tubing and 3" x 3" aluminum angle and specially designed extrusions, up to .250" wall thickness where applicable.

The smooth aluminum sheet material alloy shall be 5052 with a temper rating of H32, and have a tensile strength of 33,000 PSI and yield strength of 28,000 pounds.

The aluminum treadplate alloy shall be 3003 with a temper rating of H22, and have a tensile strength of 30,000 PSI and yield strength of 28,000 pounds.

The extrusions shall be designed as structural-framing members with the smooth aluminum and treadplate fabricated to form compartments, hosebeds, and floors. All aluminum material shall be welded together using the latest mig spray pulse arc welding system.

Compartments to be sweep-out design and to be water and dust proof. All compartments shall be made to the maximum practical dimensions to provide maximum storage capacity. To ensure maximum storage space, the apparatus shall be constructed without any void spaces between the body and the compartment walls. Double wall construction does not meet this requirement.

All exterior compartments shall have polished aluminum drip moldings installed above the doors where necessary to prevent water from entering the compartments.

Wheel well panels shall be formed aluminum that is welded in place. There shall be no visible bolt heads, retention nuts or fasteners on the exterior surface of the panel. To fully protect the wheel well area from road debris and to aid in cleaning, a full depth radius wheel well liner shall be provided. The frame side of the wheel well area on each side of the opening shall be attached to the frame side of the front and rear compartments. All seams on the frame side of the body shall be welded and caulked to prevent moisture from entering the compartments.

The rear wheel wells shall be radius cut for a streamlined appearance. A polished aluminum fenderette shall be furnished at each rear wheel well opening, held in place with stainless steel fasteners.

FASTENERS

All aluminum and stainless steel components shall be attached using stainless steel fasteners.

Compartment door hinges, handrails and running boards shall be attached using minimum 1/4" diameter machine bolt fasteners.

3/16" diameter fasteners shall only be used in nonstructural areas such as; door handles, trim moldings, gauge mounting, etc.

One (1)
30-02-2100

COMPARTMENT FLOORS

The compartment floors shall be constructed of aluminum treadplate material.

One (1)
30-10-1400

ALUMINUM SUB-FRAME

The main body sub-frame shall be extruded aluminum and be fully welded to the longitudinal frame rail extrusions that are mounted parallel to the chassis frame rails.

The main body sub-frame shall be constructed of no less than four (4) extruded aluminum tubes running full width of the apparatus body. A minimum of two (2) full body width tubes shall be provided ahead of and behind the rear axle forming

the main body support crossmembers. The main crosstubes shall be fully welded to the vertical and horizontal extrusions forming the body super-structure, described elsewhere herein.

For added strength and rigidity, no less than six (6) intermediate body crossmembers shall be provided constructed extruded aluminum tubes.

The intermediate structural crossmembers shall be interconnected and welded to the main body tubular crossmembers forming a fully welded support grid for the body super-structure compartments.

The subframe crossmembers shall be attached to the chassis frame rails using heavy "U" bolt fasteners to allow removal of the subframe and body assembly from the chassis. There shall be a barrier provided between the subframe and body to prevent electrolysis.

The tubular extrusion shall consist of 1-3/4" x 3" rectangular tubes of both 1/8" and 3/16" wall thickness and 3" x 3" square aluminum tubing of both 1/8" and 3/16" wall thickness.

One (1)
44-06-2200

SINGLE AXLE WHEEL AREA

For ease of accessibility and maintenance, wheel well panels shall be double break formed painted smooth plate that is welded in place.

To fully protect the wheel well area from road debris and to aid in cleaning, a full depth (minimum of 25") radius wheel well liner shall be provided. Wheel well liner shall be smooth aluminum to prevent corrosion.

One (1)
44-06-4100

FENDERETTES

The rear wheel wells shall be radius cut for a streamlined appearance. A polished aluminum fenderette shall be furnished at each rear wheel well opening, held in place with concealed stainless steel fasteners.

One (1)
34-04-0400

BODY DIMENSIONS

The aluminum rescue body shall be 148" long and 95" wide.

Seven (7)
30-02-1140

ROLL UP DOOR CONSTRUCTION

Compartment doors shall be equipped with AMDOR™ brand roll-up doors complete with the following features:

1" aluminum double wall slats with continuous ball & socket hinge joint designed to prevent water ingression and weather tight recessed dual durometer seals,

Double wall reinforced bottom panel with stainless steel lift bar latching system, bottom panel flange with cut-outs for ease of access with gloved hands, reusable slat shoes with positive snap-lock securement, smooth interior door curtain to prevent equipment hang-ups,

One-piece aluminum door track / side frame, top gutter with non-marring seal, non-marring recessed side seals with UV stabilizers to prevent warpage ,

Dual leg bottom seal, with all wear component material to be Type 6 Nylon.

Seven (7)
30-02-1260

EZ-PULL DOWN STRAPS

Seven (7) elastic nylon straps shall be provided and installed on each roll up door. The straps shall be secured to the side wall of the interior compartment in a way that will allow the EZ-Pull strap to contract automatically and tuck inside the compartment when closed to prevent the strap from dangling and hindering closing of the door. When the door is the open position, the straps shall be installed so that they are fully extended as to not interfere with removing items from the compartment. For the ease of locating, the straps shall be bright orange in color.

One (1)
34-04-1010

COMPARTMENT HEIGHT

The body side compartments shall be 72" high.

One (1)
34-20-1010

LEFT FRONT COMPARTMENT

There shall be one (1) full height compartment located ahead of the rear wheels. The compartment shall be equipped with a full height single natural finish roll up door.

One (1)
34-04-2000

COMPARTMENT DEPTH

The compartment shall be 23" deep.

The compartment shall be equipped with the following items:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-01-1100

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

Two (2)
45-02-3100

ADJUSTABLE SHELF

Two (2) adjustable shelf shall be constructed of .188” smooth aluminum plate with 1.5” formed vertical lip front & back. Shelf supports on each side to be constructed of .188” aluminum and bolted to an aluminum extrusion (mounted vertically) by use of 3/8” bolts and spring-loaded cam locks. If shelf is longer than 40” a reinforcement by aluminum gusset is to be placed full-length on bottom of shelf.

NOTE: LOCATE ON THE REAR SIDE OF THE DIVIDER

Two (2)
45-30-1300

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 1/2" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
45-15-1200

COMPARTMENT DIVIDER

One (1) compartment divider constructed from 3/16" smooth aluminum material shall be installed. The divider shall be bolted in for ease of removal.

NOTE: LOCATE VERTICAL DIVIDER AT THE MID-POINT OF THE COMARTMENT BETWEEN THE FRONT AND REAR WALL

One (1)
45-16-1100

ROLL-OUT ALUMINUM TOOL BOARD

One (1) roll-out tool board panel shall be mounted vertically within compartment. The panel and tracks shall be rated to a maximum load of 500 lb. Panel shall be formed of .188" smooth aluminum with an opening to accommodate a gloved-hand to slide tool board.

The tool board shall slide out to full extension of the compartment, with a device to hold tool board in both fully-extended and stored positions.

NOTE: TOOLBOARD TO BE LOCATED FORWARD OF THE VERTICAL DIVIDER AND BE ADJUSTABLE IN THE COMPARTMENT

One (1)
45-30-1400

The floor area of the compartment shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 9/16" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

Three (3)
90-21-1100

SCBA MOUNTING BRACKET

Three (3) Zico 30 minute SCBA air pack mounting with spring tension bracket included.

NOTE: MOUNT TO THE REAR FACING SIDE OF THE TOOL BOARD

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
34-20-3010

LEFT OVERWHEEL COMPARTMENT

There shall be one (1) compartment above the rear wheels. The compartment shall be equipped with a single natural finish roll up door.

One (1)
34-04-2400

COMPARTMENT DEPTH

The compartment shall be transverse to the opposite side of the truck.

The compartment shall be equipped with the following items:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-01-1100

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1)
45-06-2300

600# ROLLOUT TRAY

One (1) SlideMaster SM3-MP Series mid profile telescoping equipment tray(s) shall be installed that is(are) approximately half the depth of the body width. The tray assembly shall have a silver powder coated steel slide frame with sealed roller bearings rated to 600 pounds. A tray constructed of .190" smooth aluminum plate with four 3" sides shall be mounted to the slide frame. The slide frame shall extend 100% allowing the tray to be completely accessible from outside the compartment. The slide shall have a 3-1/4" deck height.

One (1)
45-05-4290

An integrated manual quarter turn "gravity" lock shall hold tray in both the "in" and "out" positions. The "gravity lock" manually rotates a rod with a tab to engage the bottom frame.

One (1)
45-30-1125

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 1/2" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
34-20-5010

LEFT REAR COMPARTMENT

There shall be one (1) full height compartment located behind the rear wheels. The compartment shall be equipped with a full height single natural finish roll up door.

One (1)
34-04-2000

COMPARTMENT DEPTH

The compartment shall be 23" deep.

The compartment shall be equipped with the following items:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-01-1100

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1)
45-02-3100

ADJUSTABLE SHELF

One (1) adjustable shelf shall be constructed of .188” smooth aluminum plate with 1.5” formed vertical lip front & back. Shelf supports on each side to be

constructed of .188” aluminum and bolted to an aluminum extrusion (mounted vertically) by use of 3/8” bolts and spring-loaded cam locks. If shelf is longer than 40” a reinforcement by aluminum gusset is to be placed full-length on bottom of shelf.

One (1)
45-30-1300

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 1/2" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
45-06-2200

600# ROLLOUT TRAY

One (1) SlideMaster SM3-MP Series mid profile telescoping equipment tray(s) shall be installed in a standard depth compartment. The tray assembly shall have a silver powder coated steel slide frame with sealed roller bearings rated to 600 pounds. A tray constructed of .190" smooth aluminum plate with four 3" sides shall be mounted to the slide frame. The slide frame shall extend 100% allowing the tray to be completely accessible from outside the compartment. The slide shall have a 3-1/4" deck height.

One (1)
45-05-4290

An integrated manual quarter turn "gravity" lock shall hold tray in both the "in" and "out" positions. The "gravity lock" manually rotates a rod with a tab to engage the bottom frame.

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
34-22-1010

RIGHT FRONT COMPARTMENT

There shall be one (1) full height compartment located ahead of the rear wheels. The compartment shall be equipped with a full height single natural finish roll up door.

One (1)
34-04-2400

COMPARTMENT DEPTH

The compartment shall be transverse to the opposite side of the truck.

The compartment shall be equipped with the following items:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-01-1100

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

Two (2)
45-02-3100

ADJUSTABLE SHELF

Two (2) adjustable shelf shall be constructed of .188” smooth aluminum plate with 1.5” formed vertical lip front & back. Shelf supports on each side to be constructed of .188” aluminum and bolted to an aluminum extrusion (mounted vertically) by use of 3/8” bolts and spring-loaded cam locks. If shelf is longer than 40” a reinforcement by aluminum gusset is to be placed full-length on bottom of shelf.

NOTE: LOCATE ON THE REAR SIDE OF THE DIVIDER

Two (2)
45-30-1300

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 1/2" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
45-15-1200

COMPARTMENT DIVIDER

One (1) compartment divider constructed from 3/16" smooth aluminum material shall be installed. The divider shall be bolted in for ease of removal.

NOTE: LOCATE VERTICAL DIVIDER AT THE MID-POINT OF THE COMARTMENT BETWEEN THE FRONT AND REAR WALL

One (1)
45-16-1100

ROLL-OUT ALUMINUM TOOL BOARD

One (1) roll-out tool board panel shall be mounted vertically within compartment. The panel and tracks shall be rated to a maximum load of 500 lb. Panel shall be formed of .188" smooth aluminum with an opening to accommodate a gloved-hand to slide tool board.

The tool board shall slide out to full extension of the compartment, with a device to hold tool board in both fully-extended and stored positions.

NOTE: TOOLBOARD TO BE LOCATED FORWARD OF THE VERTICAL DIVIDER AND BE ADJUSTABLE IN THE COMPARTMENT

One (1)
45-30-1400

The floor area of the compartment shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 9/16" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

Three (3)
90-21-1100

SCBA MOUNTING BRACKET

Three (3) Zico 30 minute SCBA air pack mounting with spring tension bracket included.

NOTE: MOUNT TO THE REAR FACING SIDE OF THE TOOL BOARD

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
34-22-3010

RIGHT OVERWHEEL COMPARTMENT

There shall be one (1) compartment above the rear wheels. The compartment shall be equipped with a single natural finish roll up door.

One (1)
34-04-2400

COMPARTMENT DEPTH

The compartment shall be transverse to the opposite side of the truck.

The compartment shall be equipped with the following items:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-01-1100

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1)
45-10-1100

PULL-OUT AND DROP-DOWN

One (1) roll-out and tilt-down equipment tray shall be installed in the customer-specified compartment. The tray with roller bearing tracks shall be rated to a maximum load of 250 lb. Construction shall consist of four (4) inch tall extruded aluminum sides. Reflective material measuring 1” x 6” shall be installed on each front corner both on the face and side of tray for firefighter safety.

Track assembly shall allow tray to roll out and tilt down at approximately a 30-degree angle.

NOTE: Located rearward of the SCBA bottle rack

One (1)
45-30-5100

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 9/16" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
45-30-1400

The floor area of the compartment shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 9/16" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
34-22-5010

RIGHT REAR COMPARTMENT

There shall be one (1) full height compartment located behind the rear wheels. The compartment shall be equipped with a full height single natural finish roll up door.

One (1)
34-04-2000

COMPARTMENT DEPTH

The compartment shall be 23" deep.

The compartment shall be equipped with the following items:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-01-1100

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with four (4) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1)
45-02-3100

ADJUSTABLE SHELF

One (1) adjustable shelf shall be constructed of .188” smooth aluminum plate with 1.5” formed vertical lip front & back. Shelf supports on each side to be constructed of .188” aluminum and bolted to an aluminum extrusion (mounted vertically) by use of 3/8” bolts and spring-loaded cam locks. If shelf is longer than 40” a reinforcement by aluminum gusset is to be placed full-length on bottom of shelf.

One (1)
45-30-1300

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 1/2" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
45-06-2200

600# ROLLOUT TRAY

One (1) SlideMaster SM3-MP Series mid profile telescoping equipment tray(s) shall be installed in a standard depth compartment. The tray assembly shall have a silver powder coated steel slide frame with sealed roller bearings rated to 600 pounds. A tray constructed of .190" smooth aluminum plate with four 3" sides shall be mounted to the slide frame. The slide frame shall extend 100% allowing the tray to be completely accessible from outside the compartment. The slide shall have a 3-1/4" deck height.

One (1)
45-05-4290

An integrated manual quarter turn "gravity" lock shall hold tray in both the "in" and "out" positions. The "gravity lock" manually rotates a rod with a tab to engage the bottom frame.

One (1)
45-30-1400

The floor area of the compartment shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 9/16" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
34-14-1020

REAR CENTER COMPARTMENT

There shall be one (1) full height compartment located at the rear of the apparatus. The compartment shall be equipped with a full height natural finish roll up door. The compartment shall be in depth to the overwheel compartment.

The compartment shall be equipped with the following:

One (1)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1)
45-06-2220

600# ROLLOUT TRAY

One (1) SlideMaster SM3-MP Series mid profile telescoping equipment tray(s) shall be installed in a standard depth compartment. The tray assembly shall have a silver powder coated steel slide frame with sealed roller bearings rated to 600 pounds. A tray constructed of .190" smooth aluminum plate with four 3" sides shall be mounted to the slide frame. The slide frame shall extend 100% allowing the tray to be completely accessible from outside the compartment. The slide shall have a 3-1/4" deck height.

One (1)
45-05-4290

An integrated manual quarter turn "gravity" lock shall hold tray in both the "in" and "out" positions. The "gravity lock" manually rotates a rod with a tab to engage the bottom frame.

One (1)
45-30-1125

The shelf/tray shall be fitted with removable vinyl Turtle Tile matting. The matting shall be interlocking modules approximately 12" square by 1/2" thick. This material shall be resistant to heat, cold, ultra-violet radiation, mechanical impacts, chemical actions and is corrosion resistant.

One (1)
55-01-5114

COMPARTMENT LIGHTS

Two (2) LUMA BAR vertically mounted roll-up compartment LED door lights shall be installed one each side of the door opening. The compartment lights shall be integrated into the roll-up door tracks with the light actuation with the door opening.

The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
38-80-1300

REAR STEP - 12” BOLT-ON

A 12" deep step shall be provided at the rear of the apparatus body, bolted in place and easily removable for replacement or repair. The tailboard shall be constructed of .188" aluminum diamond plate or equal non-slip surface in compliance with NFPA #1901 standards.

A label shall be provided warning personnel that riding on the rear step while the apparatus is in motion is prohibited.

Four (4)
90-02-5400

INTERIOR LADDER MOUNTING

An interior ladder storage compartment shall be installed at the upper rear of the apparatus body, below the roof and above the rear compartment door opening. It shall be able to accomodate the following:

(1) 10' Duo-Safety attic ladder (585-A)
(1) 14' Duo-Safety Extension Ladder (1000-A)
(1) 16' Duo-Safety folding roof ladder (1275-FR)

(1) 26' Duo-Safety 3 Sect Extension ladder (925-A)
(6) Pike Pole Tubes

NOTE: REFERENCE JOB 42639 FOR DESIGN/LAYOUT

One (1)
90-03-0245

LADDER SOURCE

New ladders shall be provided by the body builder.

Six (6)
90-16-5200

PIKE POLE MOUNTING BRACKET

Six (6) tube shall be provided for pike pole mounting. The tube shall have a 2" interior diameter and shall be mounted inside of the apparatus body.

One (1)
90-16-6115

PIKE POLE SOURCE

The pike poles shall be provided by the body builder.

One (1)
44-01-1200

FRONT BODY PROTECTION PANELS

Brushed stainless steel overlays and panels shall be installed on the front corners of the body. The material shall be bolted in place and sealed to prevent any moisture entry between the overlay and the body structure.

One (1)
44-01-1450

FRONT BODY PROTECTION PANELS

Aluminum tread plate overlays and panels shall be installed on the front of the body compartment from the lower edge to the top of the compartment doors.

One (1)
44-01-6000

CATWALKS

Aluminum tread plate catwalks shall be installed on the top of the compartments.

One (1)
44-01-3200

REAR BODY PROTECTION PANELS

Brushed stainless steel overlays and panels shall be installed on the rear corners of the body. The overlays shall be bolted in place and sealed to prevent any moisture entry between the overlay and the body structure.

One (1)
44-01-4000

REAR BODY PROTECTION PANELS

The rear body panels of the body shall be a smooth material, to allow for the proper application and installation of a "Chevron" stripe on the rear.

One (1)
33-62-4140

FOLDING STEPS LEFT SIDE REAR

Three (3) folding steps of die cast high-strength zinc/aluminum alloy, plated with a superior automotive grade chrome finish shall be provided. The greater than 42 sq. in. serrated non-skid step traction area also offers an oversized non-slip grasp hand-hold. A heavy duty stainless steel spring design firmly holds the step in the open or closed positions. A rubber stop prevents any transit noise and rattles in the closed position. Step lighting shall be from a LED light mounted above the step.

The step has been third part tested to assure conformation of NFPA 1901 and FHA, 49CFR specifications for stepping surfaces and handhold.

The steps shall be installed on the rear left side of the body.

One (1)
33-62-4240

FOLDING STEPS RIGHT SIDE REAR

Three (3) folding steps of die cast high-strength zinc/aluminum alloy, plated with a superior automotive grade chrome finish shall be provided. The greater than 42 sq. in. serrated non-skid step traction area also offers an oversized non-slip grasp hand-hold. A heavy duty stainless steel spring design firmly holds the step in the open or closed positions. A rubber stop prevents any transit noise and rattles in the closed position. Step lighting shall be from a LED light mounted above the step.

The step has been third part tested to assure conformation of NFPA 1901 and FHA, 49CFR specifications for stepping surfaces and handhold.

The steps shall be installed on the rear right side of the body.

One (1)
33-70-1200

HANDRAIL REAR STEP

Two (2) extruded aluminum non-slip handrails, approximately 30" in length, shall be provided and vertically mounted on the rear of the apparatus, one (1) on each side of the body.

NOTE: MOUNT ABOVE D.O.T. LIGHTS ON REAR FACE

One (1)
33-70-2100

HANDRAIL BELOW HOSEBED

One (1) extruded aluminum non-slip handrail, approximately 48” in length, shall be provided and horizontally mounted below the hosebed on the rear of the apparatus.

NOTE: MOUNT BELOW LADDER DOOR OPENING

One (1)
33-70-3700

HANDRAIL TOP OF HOSE BED SIDES

Two (2) extruded aluminum non-slip handrails, approximately 12" in length, shall be provided and mounted, one (1) each side on the top of the hose bed sides, at the rear of the apparatus body.

One (1)
44-02-1100

EXTRUDED ALUMINUM RUB RAILS

Full body length polished aluminum rub rails shall be bolted in place on the lower right and left body sides. The side rub rails shall be a heavy extruded aluminum "C" channel.

One (1)
44-02-2000

NYLON SPACERS FOR RUB RAILS

There shall be nylon spacers provided between the rub rail and the body. This shall allow wash out and replacement in the event of damage.

One (1)
44-11-5330

WHEEL WELL PROVISION LOCATION

The wheel well provisions shall be located on the left side of the apparatus, behind of the rear wheels.

Two (2)
44-07-1200

FUEL PIPING AND FILL CAP

There shall be a fuel fill cap provided in the recessed area of the left side rear wheel well clearly marked, "DIESEL FUEL ONLY". The fill shall be piped to the fuel tank.

One (1)
44-17-0300

UPPER BODY SIDE COMPARTMENT

One (1) upper body compartment shall be provided top of body with dimensions of approximately 148" and over 21" deep.

The compartment shall have a single door that runs the length of the body to allow storage of long struts and tools.

The compartment shall have a lift-up door installed, constructed of 1/8" aluminum tread plate. The door shall have a stainless steel hinge and dual gas openers. The door opening shall be flanged upward 1" to prevent water from running into compartments when the door is closed. Two (2) heavy duty socket and plunger latches shall be installed to hold the door along with a heavy duty chrome grab handle to lift the door.

The compartment shall be located on the left side of the body.

One (1)
44-22-0020

COMPARTMENT EXTERIOR FINISH

The roof compartments shall be constructed from smooth aluminum painted to match the apparatus body.

One (1)
55-01-3000

COMPARTMENT LIGHT

One (1) LED light fixture shall be installed on the wall of the compartment. The light shall have a clear lens.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
44-19-1200

UPPER BODY SIDE COMPARTMENT

One (1) upper body compartment shall be provided top of body with dimensions of approximately 90" and over 21" deep.

The compartment shall have a single door that runs the length of the body to allow storage of long struts and tools.

The compartment shall have a lift-up door installed, constructed of 1/8" aluminum tread plate. The door shall have a stainless steel hinge and dual gas openers. The door opening shall be flanged upward 1" to prevent water from running into compartments when the door is closed. Two (2) heavy duty socket and plunger latches shall be installed to hold the door along with a heavy duty chrome grab handle to lift the door.

The compartment shall be located on the right side of the body.

One (1)
44-22-0020

COMPARTMENT EXTERIOR FINISH

The roof compartments shall be constructed from smooth aluminum painted to match the apparatus body.

One (1)
55-01-3000

COMPARTMENT LIGHT

One (1) LED light fixture shall be installed on the wall of the compartment. The light shall have a clear lens.

One (1)
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1)
60-26-1100

SHORELINE RECEPTACLES

The following receptacles shall be wired to the shoreline power.

One (1)
60-25-1400

120V ELECTRIC RECEPTACLE -- STRAIGHT BLADE

One (1) 120-volt 20 amp straight blade, 3-prong duplex receptacle with spring loaded weatherproof cover shall be provided.

One (1)
60-30-2370

The electric receptacle shall be located inside the left side exterior body compartment behind the rear wheels.

NOTE: MOUNT ON FORWARD COMPARTMENT WALL (DIVIDER BETWEEN R3 & R2) JUST BELOW BOTTOM EDGE OF ROLL-UP DOOR SPOOL

One (1)
77-10-7600

PORTABLE ELECTRIC WINCH

A 9,500 pound capacity portable winch, Model 9.5cti P/N 85760, manufactured by the Warn Winch Company shall be installed. The 12-volt electric winch system shall utilize a portable mounting system with two carrying handles. Power is supplied to the winch through a 12 volt pigtail with a quick connect plug. The winch shall be attached to the body at the specified locations with a steel tube insert secured with a pin.

The winch shall have forward and reverse modes and shall be controlled by a push button device at the end of a removable 25 foot minimum or longer remote lead which connects to the winch through a weatherproof receptacle.

The winch shall be provided with a cable guide, 125 feet of 5/16" diameter galvanized aircraft cable and hook assembly.

One (1)
77-10-8300

WINCH RECEIVER - FRONT

The front of the chassis shall be equipped with a receiver assembly for high or low angle rescue or winch applications. The receiver shall be a square steel tube, same size as that of a trailer hitch. The unit shall be attached to the chassis frame assembly.

One (1)
77-10-7710

One (1) 12 volt Warn quick disconnect electrical receptacle, shall be installed in the body for the portable winch. The power cables shall be color coded "red" positive and "black" neutral and rated at 125% of winch power requirement (including line drop).

One (1)
77-10-8600

WINCH RECEIVER - REAR

The rear of the apparatus body shall be equipped with a receiver assembly for high or low angle rescue or winch applications. The receiver shall be a square

steel tube, same size as that of a trailer hitch. The unit shall be attached to the body sub-frame assembly.

One (1)
77-10-7710

One (1) 12 volt Warn quick disconnect electrical receptacle, shall be installed in the body for the portable winch. The power cables shall be color coded "red" positive and "black" neutral and rated at 125% of winch power requirement (including line drop).

One (1)
77-11-0800

TRAILER POWER PLUG

A trailer plug shall be provided at the rear of the apparatus. A 12 volt seven (7) pin electrical connector shall be wired to the chassis stop, running, and turn lights.

One (1)
80-22-1502

BODY PAINT PROCESS

While constructing the truck body, all aluminum parts that are to be finish painted shall be properly fitted on the body and then removed to be painted as individually. The back side of all aluminum parts shall be sanded smooth of any burrs and sharp edges.

During reassembly of the apparatus, care shall be exercised in fitting and fastening the parts back in their respective position on the vehicle.

All aluminum parts shall be bolted to the body using stainless steel fasteners. Zinc or Cadmium plated fasteners are not acceptable. All bright metal fittings, if unavailable in stainless steel shall be heavily chrome plated. Iron fittings shall be copper plated prior to chrome plating.

All seam shall be caulked both inside and along the exterior edges with a urethane automotive sealant to prevent moisture from entering between any body panels.

The body and all parts shall be thoroughly washed with a grease cutting solvent (PPG DX330) prior to any sanding. After the body has been sanded and the weld marks and minor imperfections are filled and sanded, the body shall be washed again with (PPG DX330) to remove any contaminants on the surface.

The next two to four coats (depending on need) shall be a PPG DelFleet F4936 High Solids Epoxy Gray Primer. The film build shall be 4-6 mils when dry. The primer surfacer coat, after appropriate dry time, shall be sanded with 320-600 grit

sandpaper to ensure maximum gloss of the paint. The last step is the application of at least three coats of PPG Delfleet polyurethane two-component color (single stage). The film build being 2-3 mils dry. The single stage polyurethane, when mixed with corresponding catalyst shall provide a UV barrier to prevent fading and chalking.

All products and technicians are certified by PPG every two (2) years.

One (1)
80-06-1100

APPARATUS COLOR

The apparatus shall be RED in color to match Ford F-600 Chassis.

One (1)
80-30-1100

INTERIOR COMPARTMENT FINISH

Six (6) apparatus side compartment interiors are to be painted with a spatter finish material. The compartments shall be cleaned with a grease remover, and then the surface sanded and prepared for painting. The compartment shall be provided with two (2) coats of white epoxy. The compartments are then coated with a splatter paint top coat.

One (1)
80-42-1500

TOUCH-UP PAINT

One (1) two (2) ounce bottle of touch-up paint shall be furnished with the completed truck at final delivery.

One (1)
80-50-1800

SIMULATED GOLD LEAF LETTERING

The lettering shall be applied in simulated gold leaf material, shaded in black and encapsulated in clear Mylar.

A quantity of seventy-five (75), four (4) inch letters are to be placed on the cab and on the body as directed by the customer.

One (1)
80-50-3100

GOLD LEAF LETTERING

The lettering shall be applied in genuine gold leaf material, shaded in black and encapsulated in clear Mylar.

A quantity of fifty (50) letters are to be placed on the cab and on the body as directed by the customer. The letters shall be between eight and twelve inches in height.

One (1)
80-65-1100

APPARATUS DOOR GRAPHICS

Two (2) custom door seals designed primarily with letters and numbers shall be proposed for installation on the apparatus.

NOTE: MATCH JOB 42639

One (1)
80-65-1600

MALTESE CROSSES

Two (2) Mylar gold leaf Maltese crosses with black outlining and a clear urethane coating shall be applied. The crosses shall be 12" in diameter.

One (1)
80-71-1100

REFLECTIVE STRIPING

A 1" x 4" wide 3M brand Scotchlite reflective multi-stripe shall be affixed to the perimeter of the vehicle. There shall be a 1" gap between each of the stripes. Striping shall conform to applicable NFPA requirements. At least 50% of the perimeter length of each side and width of the rear, and at least 25% of the perimeter width of the front of the vehicle shall have reflective striping.

One (1)
80-75-1600

COLOR OF STRIPING MATERIAL

The color of the 3M brand striping material shall be white.

One (1)
80-72-1100

CHEVRON STRIPING

The entire rear portion of the body shall have 3M reflective red and yellow striping installed. The chevron style striping shall be applied at a 45-degree upward angle pointing towards the center upper portion of the rear panel.

One (1)
80-72-2030

REFLECTIVE STRIPE

An approximate 1" reflective stripe shall be applied on the vertical outer edge of each chassis door interior.

One (1)
80-79-1000

YELLOW SAFETY TAPE - STANDING & WALKING SURFACES

The apparatus shall meet NFPA standard 15.7.1.6 designating any horizontal standing or walking surface higher than 48-in (1220 mm) from the ground and not guarded by railing or structure at least 12-in (300 mm) high shall have at least a 1-in (25 mm) wide safety yellow line delineation that contrasts with the background to mark the outside perimeter of the designated standing or walking surface area, excluding steps and ladders.

One (1)
90-03-3400

ROOF LADDER

One (1) Duo Safety Model 1275-FR, 16 foot aluminum **FOLDING** roof ladder with folding steel roof hooks on one end and steel spikes on the other end shall be provided on the apparatus. The ladder shall meet or exceed all latest NFPA Standards.

One (1)
90-06-4300

EXTENSION LADDER

One (1) Duo-Safety Model 1000-A, 14 foot two (2) section aluminum extension ladder shall be provided on the apparatus. The ladder shall meet or exceed all the latest NFPA standards.

One (1)
90-07-4080

EXTENSION LADDER

One (1) Duo-Safety Model 925-A, 26 foot three (3) section aluminum extension ladder shall be provided on the apparatus. The ladder shall meet or exceed all the latest NFPA standards.

One (1)
90-08-2600

FOLDING LADDER

One (1) Duo Safety Model 585-A, 10 foot folding aluminum ladder shall be provided on the apparatus. The ladder shall meet or exceed all the latest NFPA Standards.

Two (2)
90-16-2200

PIKE POLE

Two (2) 4' pike pole with round handle shall be provided. The pike pole shall be of fiberglass construction.

Four (4)
90-16-2800

PIKE POLE

Four (4) 10' pike pole with round handle shall be provided. The pike pole shall be of fiberglass construction.

One (1)
90-58-0000

CUSTOM FABRICATED RESCUE TOOL HOLDERS - BCI

Quotation

Quotation For
Hammond Rural Fire Department
Chief Paul Collura

Date 1/12/2024
Quotation # HRFD01122024
Customer ID

Quotation valid until: 2/28/2024
Prepared by: Brad Williamson
Terms: Net at Delivery
F.O.B. Point Shipping Point
PO Number:

Comments or Special Instructions

Quantity	Description	Unit Price	Taxable?	Amount
1	US Fire Apparatus 4-Door Freightliner 1500/1000 gallon Commercial Pumper Tanker per attached Specification. HGAC Contract FS12-23 Pricing	$504,166.00		$ 504,166.00
	Delivery 180-210 Days ARO pending stock Chassis availability. USFP shall not be liable for delivery delays due to extended chassis delivery.			
	NOTE: Customer shall be responsible for registration of the unit with the State of Domicile DOTD and payment of all associated fees.			

Please submit purchase orders to orders@usfirepump.com

If you have any questions concerning this quotation, please contact:
Brad Williamson: brad@usfirepump.com

Subtotal	$ 504,166.00
Tax Rate	
Sales Tax	$ -
TOTAL	**$ 504,166.00**

CONTRACT PRICING WORKSHEET
For MOTOR VEHICLES Only

Contract No.:	FS12-23	Date Prepared:	1/12/2024

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents MUST be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	Hammond Rural Fire Department	Contractor:	US Fire Pump
Contact Person:	Chief Paul Collura	Prepared By:	Brad Williamson
Phone:	985-567-3567	Phone:	225-939-9057
Fax:	N/A	Fax:	N/A
Email:	paul@hammondrural.com	Email:	brad @usfirepump.com

Product Code:	Freightliner-M	Description:	Model FT1006 - Freightliner-M2 PRL -2Door-Commerical Cab --Pumper - RS-30-185 31K-Rear AXLE

A. Product Item Base Unit Price Per Contractor's H-GAC Contract: 489783

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable.
(Note: Published Options are options which were submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
Front Bumper Extension - 24"	1508	Camera - Back Up w/Color Monitor	2800
Compartment - Front Bumper, Driver's Side	719	TIC Charger Installation - Customer Supplied	300
Compartment - Front Bumper, Center	855	Hose Tray - Running Board (2)	1508
Cover - Aluminum T/P w/ Cut Out, Bumper Compartment	908	Booster Reel - Dunnage Area, Hannay	6800
Mechanical Siren -Federal Q2B Thru Bumper	3900	Discharge - Deck Gun, 3" Valve w/Push Pull Control	3000
Console - Cab Center (Custom)	2689	Dump - 10" SS Newton Electric Operated	10095
Radio Installation - Customer Supplied	3200	Shelf - Adjustable, 12-15" (4)	2476
Radio Antenna Installation - Customer Supplied	600	Tray - 250 Pound Roll - Out, 24-28"D (2)	3016
Portable Radio Charger Installation - Customer Supplied	600		

		Subtotal From Additional Sheet(s):	
		Subtotal B:	44974

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary.
(Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
4-Door Chassis with 360HP L9 Engine	5967		
1000 Gallon Tank and Body Configuration Change	-38558	Subtotal From Additional Sheet(s):	
		Subtotal C:	-32591

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B). **For this transaction the percentage is:** -6%

D. Total Cost Before Any Applicable Trade-In / Other Allowances / Discounts (A+B+C)

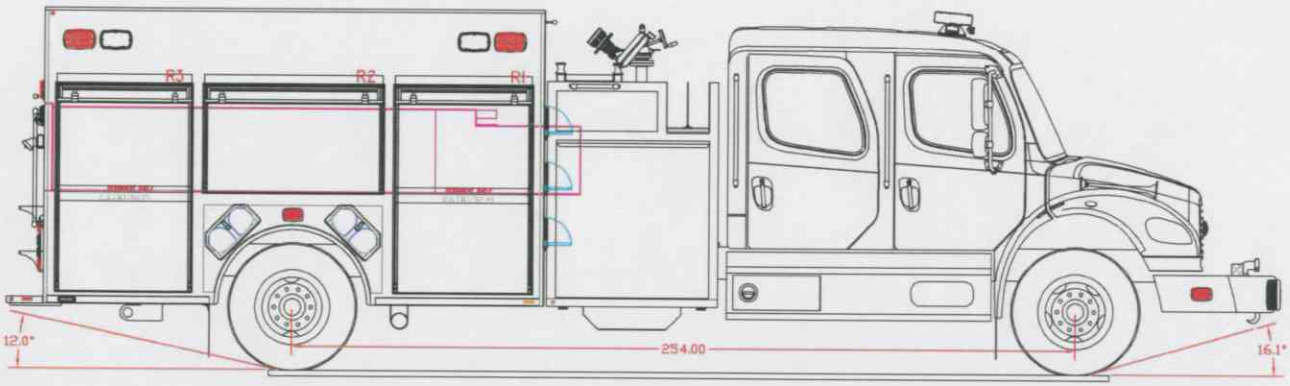
Quantity Ordered:	1	X Subtotal of A + B + C:	502166	=	Subtotal D:	502166

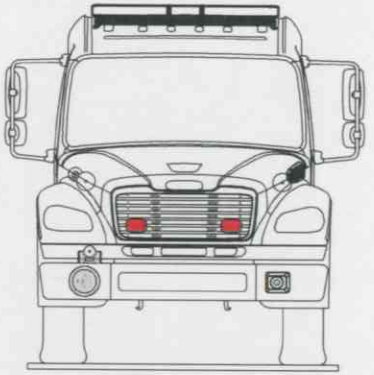
E. H-GAC Order Processing Charge (Amount Per Current Policy)	Subtotal E:	2000

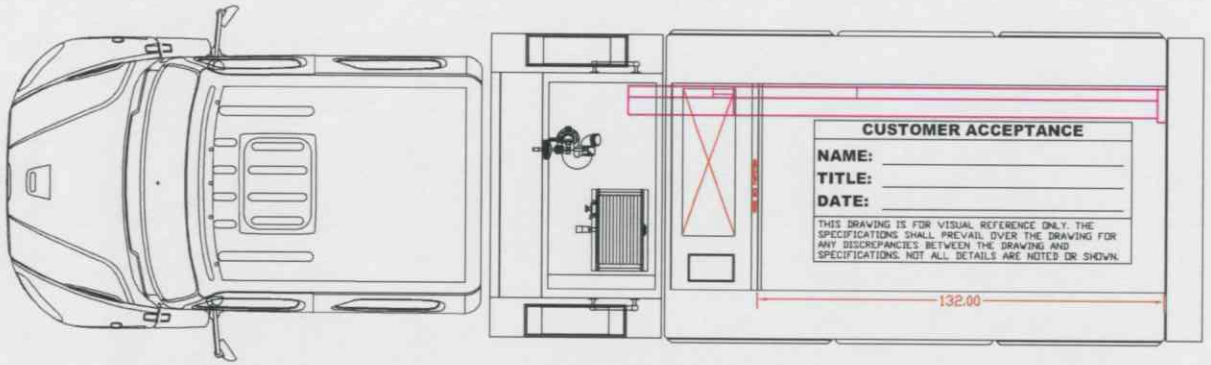
F. Trade-Ins / Special Discounts / Other Allowances / Freight / Installation / Miscellaneous Charges

Description	Cost	Description	Cost
		Subtotal F:	0

Delivery Date:	**180-210 Days ARO**	**G. Total Purchase Price (D+E+F):**	504166



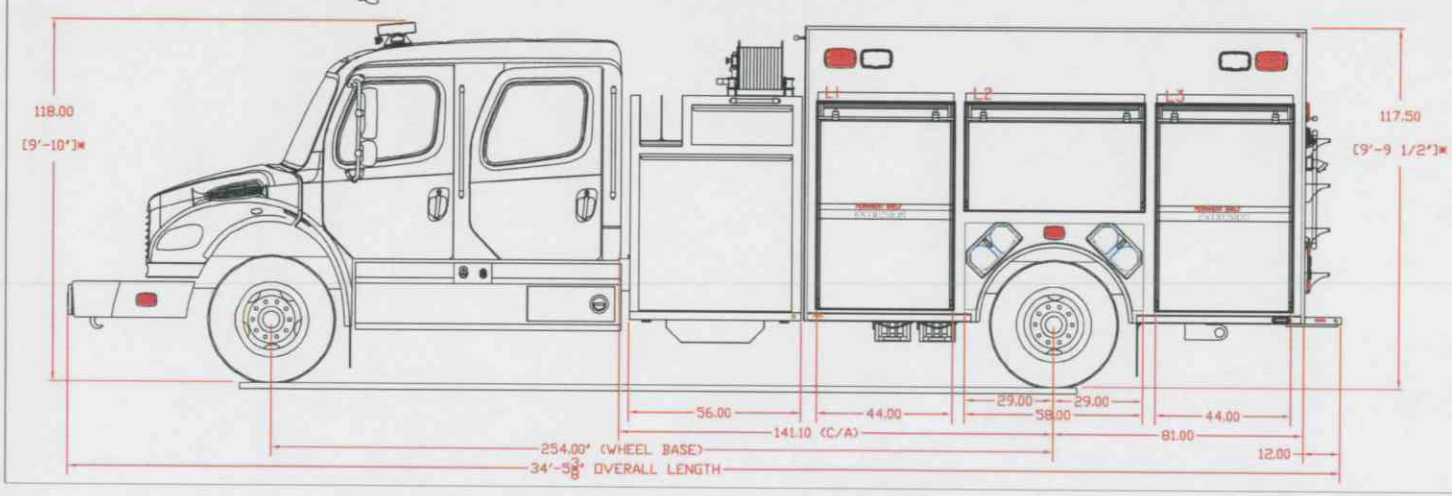


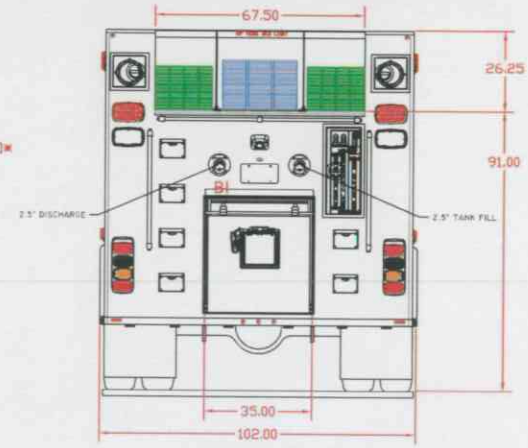


US FIRE APPARATUS

HAMMOND RURAL FIRE DEPARTMENT
JOB NO.: FT####
1,500 GPM HALE PUMP
1,000 GALLON WATER TANK

	INTERIOR	OPENING
L1	44W X 70.25H X 15/28D	42.00W X 60.875H
L2	58W X 38H X 15D	56.00W X 28.625H
L3	44W X 70.25H X 15/28D	42.00W X 60.875H
R1	44W X 70.25H X 15/28D	42.00W X 60.875H
R2	58W X 38H X 15D	56.00W X 28.625H
R3	44W X 70.25H X 15/28D	42.00W X 60.875H
B1	35W X 40.00H X 28D	33.00W X 31.375H





*HEIGHT COULD VARY +/- 2" BASED ON LOADING OF VEHICLE

Jill Desouge <jdesouge@tangipahoa.org>

Fwd: FW: Pumpers Available

1 message

David Atkins <datkins@tangipahoa.org> Thu, Jan 18, 2024 at 1:51 PM
To: Jill Desouge <jdesouge@tangipahoa.org>

---------- Forwarded message ---------
From: **Willie Landry** <willie@bonafire.com>
Date: Thu, Jan 18, 2024 at 1:35 PM
Subject: FW: Pumpers Available
To: datkins@tangipahoa.org <datkins@tangipahoa.org>

19082 4-Door Commercial Side Mount 1500 Pump / 1000 Water / 20 Foam

$478,000.00

Available August 2024

Thank You,

Willie A.T. Landry

Cell: 985-507-9275

Ofc: 800-650-4900

E: willie@bonafire.com

www.bonafire.com

QUOTATION

BONAVENTURE FIRE + SAFETY

Exp. Date:	06/22/2023	
Quote No:	10021-0002	
RSERIES:	2022-1-RR	R Series FX Pumper
BID PREP:	C0-01-0019	Bid Prep Forms FXR / RXT Series Pumper
WARRANTY:	C0-01-2000	Warranties - FXR / RXT Series Pumper
ELEC-DC:	C0-50-2002	R Series DC Electrical System COMMERCIAL
CHS MODS:	C0-02-2000	R Series Pumper -Chassis Modifications
PLUMBING:	C0-22-0000	R Series FX Pump & Plumbing
PUMP COMPT:	C0-26-1920	R Series Pumper-Side Mount Pump Compt
BODY-PMPR:	C0-43-9902	HLHD/HRHD Rapid Response 1000 Tank
ELEC-AC:	C0-60-2000	RR Pumper-AC Electrical System
PAINT:	C0-80-1920	R Series FX Paint / Stripe - Single Axle
EQUIP-LSE:	CO-90-2000	R Series FX Pumper Loose Equipment

PART NO	S		DESCRIPTION	QTY	ID
			== Bid Prep Forms FXR / RXT Series Pumper - 4212.023 04/21/23 ==		**RAS**
00-00-0120		>	|-- CONFIGURATION ID: 2021B-XXXXX	1	RAS
00-00-1100	S	>	Information Request Form (Factory Required)	1	RAS
00-00-1300			Fire Department Name	1	RAS
00-00-1499			Overall Height Restriction, NONE	1	RAS
00-00-1509			Overall Length Restriction, NONE	1	RAS
00-00-1519			Overall Width Restriction, NONE	1	RAS
00-00-1529			Wheelbase Restriction, NONE	1	RAS
00-00-1539			Angle of Approach, NFPA Minimum, 8 Degrees	1	RAS
00-00-1549			Angle of Departure, NFPA Minimum, 8 Degrees	1	RAS
00-00-3220			Contract Change Notice	1	RAS
00-12-1100			Financial Stability Response	1	RAS
01-06-0500			Calculated Center of Gravity	1	RAS
01-07-0060			|-- Technical Drawings, Representative Drawings (3-View) (Left/Right/Rear)	1	RAS
01-07-1100			Change Orders	1	RAS
01-33-3200			Manuals, Body Complete, 2 Sets Printed	1	RAS
			== Warranties - FXR / RXT Series Pumper - 4212.023 04/21/23 ==		**RAS**
01-16-0150		>	|-- Warranty, Apparatus, Body Warranty, 1 Year	1	RAS
01-19-0250			|-- Warranty, Body, Alum, 5 Years	1	RAS
01-19-2700			|-- Warranty, Subframe, Lifetime Galv	1	RAS
01-20-1005			|-- Warranty, Paint, AkzoNobel, 5 Years	1	RAS
01-17-0700			Pump Warranty, Waterous, 7 Years	1	RAS
01-17-1050			|-- Plmbg Warranty, Stainless Steel, 10 Years	1	RAS
09-01-0292		>	Freightliner M2 4-door w/300 HP Engine 40000GVW 14/26 Axles	1	RAS
09-01-1300			|-- SCBA Brkt, Cab Seat, Zico "NFPA" Restraint, (Four)	1	RAS
09-01-6100			|-- Hrzntl Chassis Exhaust (Front of Rr wheel)	1	RAS
			== R Series DC Electrical System COMMERCIAL - 4212.023 04/21/23 ==		**RAS**
50-01-9010		>	|-- Whelen Light Package - Commercial	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
56-01-1602		|-- Siren, Elect, Whelen 295SLSA1	1	RAS
56-02-1750		|-- Spkr, Whelen SA315P, 100 Watt	1	RAS
56-03-1800		|-- Spkr Lctn, To Be Determined by Body Mfg	1	RAS
57-02-2502	>	|-- Lt Bar, Whelen, Ultra Freedom IV, #F4N7QLED, LED, 72" (fully populated)	1	RAS
57-10-0600		|-- Lightbar Cntrl, with Master Warning Switch	1	RAS
58-71-1774		|-- Wrn Lts, Whelen, Upper Rr (2) M9 LED	1	RAS
57-20-1400		|-- Wrn Lt, Drvr, Whelen, M9, Red LED, Color Lens, Ea	1	RAS
57-20-1401		|-- Wrn Lt, Offcr, Whelen, M9, Red LED, Color Lens, Ea	1	RAS
58-01-2180		|-- Flange, Chrome, Wrn Lt, Whln, M9 Ea	2	RAS
58-46-2100		|-- Wrn Lts, Whelen, Upper Side Front (2) M9 LED	1	RAS
57-20-1400		|-- Wrn Lt, Drvr, Whelen, M9, Red LED, Color Lens, Ea	1	RAS
57-20-1401		|-- Wrn Lt, Offcr, Whelen, M9, Red LED, Color Lens, Ea	1	RAS
58-01-2180		|-- Flange, Chrome, Wrn Lt, Whln, M9 Ea	2	RAS
58-61-2100		|-- Wrn Lts, Whelen, Upper Side Rr (2) M9 LED	1	RAS
57-20-1400		|-- Wrn Lt, Drvr, Whelen, M9, Red LED, Color Lens, Ea	1	RAS
57-20-1401		|-- Wrn Lt, Offcr, Whelen, M9, Red LED, Color Lens, Ea	1	RAS
58-01-2180		|-- Flange, Chrome, Wrn Lt, Whln, M9 Ea	2	RAS
58-03-2002		|-- Wrn Lts, Whelen, Low Frnt, (2) M6 LED	1	RAS
57-20-1200		|-- Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	1	RAS
57-20-1201		|-- Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	1	RAS
58-01-2140		|-- Flange, Chrome, Wrn Lt, Whln, M6, Ea	2	RAS
58-09-2600	< >	|-- Warning Light, Whelen, Intersection, (2) M2 LED	1	RAS
		Will only fit in EXT rub rail WITHOUT bezel		
57-20-1000		|-- Warn Light, Driver, Whelen, M2, Red LED, Color Lens, Ea	1	RAS
57-20-1001		|-- Warn Light, Officer, Whelen, M2, Red LED, Color Lens, Ea	1	RAS
58-26-2400	>	|-- Wrn Lts, Whelen, Low Mid Bdy (2) M2 LED, in Rub Rail	1	RAS
57-20-1000		|-- Wrn Lt, Drvr, Whelen, M2, Red LED, Color Lens, Ea	1	RAS
57-20-1001		|-- Wrn Lt, Offcr, Whelen, M2, Red LED, Color Lens, Ea	1	RAS
58-36-2400	>	|-- Wrn Lts, Whelen, Low Rr Side (2) M2 LED, in Rub Rail	1	RAS
57-20-1000		|-- Wrn Lt, Drvr, Whelen, M2, Red LED, Color Lens, Ea	1	RAS
57-20-1001		|-- Wrn Lt, Offcr, Whelen, M2, Red LED, Color Lens, Ea	1	RAS
58-81-2000		|-- Wrn Lts, Whelen, Low Rr (2) M6 LED	1	RAS
57-20-1200		|-- Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea	1	RAS
57-20-1201		|-- Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea	1	RAS
53-03-0064		|-- Whelen Rr DOT LED Ltng Pkg M6	1	RAS
53-03-2750		|-- Tail/Brake Lts, Whelen, LED, M62BTT (Pair)	1	RAS
53-04-2750		|-- Turn Signals, Whelen, LED w/ Arrow, M62T (Pair)	1	RAS
53-06-3550		|-- Backup Lts, Whelen, LED, M62BU (Pair)	1	RAS
53-07-1210		|-- Tail Lt Bezel, 4 Lts, Whln M6 (Pair), ABS Chrome	1	RAS
50-03-1000	>	Elecal, Base, Standard, W/O Load Mgmt	1	RAS
50-05-1510		|-- Electrical Jct Box, Weather Resistant	1	RAS
50-12-1100		Swtch Panel/Elecal Console, Btwn Cab Seats, Ntrl Fnsh	1	RAS
50-15-1100		Batteries, With Supl'd Chs	1	RAS
50-15-3100		Battery Swtch, Mstr Disconnect , Chs Sppld	1	RAS
50-15-7600		Battery Charger Kussmaul	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
50-15-7800		|-- Battery Chrgr/Comp, KUSS, Pump Plus 1200 52-05-1100	1	RAS
50-16-1100		|-- Display, Bar Graph, Sngl Battery Bank 091-199-001	1	RAS
50-20-1102		|-- Shore Power Inlet, Officer Seat, Lower Left Front	1	RAS
50-20-1500	>	|-- Shore Power Inlet, KUSS Super Auto-Eject 20A	1	RAS
50-42-2002		Air Horns, (2) Hood Mntd, 24.5" Chrome	1	RAS
50-43-2100	>	|-- Air Horn Cntrl, Driver, Sgle Ft Swtch	1	RAS
50-43-2200	>	|-- Air Horn Cntrl, Officer, Sgle Ft Swtch	1	RAS
51-05-6400		Lt, Pump Cmpt, 12 Volt LED With Swtch	1	RAS
51-05-9000		|-- Switch on Light Head	1	RAS
52-01-1200		Back Up Alarm	1	RAS
53-01-1200		Marker Lts, LED, DOT Requirements	1	RAS
53-02-1200		License Plate Brkt, SST w/ LED Lt, Rr,	1	RAS
54-02-1620		|-- Ground Lts, Cab, 4 Door, LED, TecNiq (Four)	1	RAS
54-03-1280		|-- Ground Lts, Pump Panel , LED, TecNiq Pair	1	RAS
54-03-1680		|-- Ground Lts, Rear Step , LED, TecNiq Pair	1	RAS
54-04-1999		|-- Lt Swtch , Ground Lts w/ Park Brake	1	RAS
54-10-1450		Step Lt, Rr Tailboard, LED, Ea	1	RAS
54-11-2100		Lt Swtch , Step/Wlkwy Lts Wired Park Brake Swtch	1	RAS
54-12-1520	<	Deck Lts, Code 3, LED, 2-Sptlts #CW2450, Black	1	RAS
		Rear of hosebed		
54-12-3010		|-- Deck Lt Swtch , Wired Park Brake Swtch	1	RAS
54-15-0050	>	Scene Light Package R Series FX Pumper	1	RAS
54-15-1292	>	|-- Scene Lt, Whelen, M9LZC LED, w/Chr trim ring	6	RAS
54-15-5502		|-- Scene Lt Lctn, Left Side Of Bdy	2	RAS
54-15-5602		|-- Scene Lt Lctn, Right Side Of Bdy	2	RAS
54-15-5700		|-- Scene Lt Lctn, Rr Of Bdy	2	RAS
54-15-6400		|-- Scene Lt Swtch , Left Scene Lts, Cab Switch Panel	1	RAS
54-15-6500		|-- Scene Lt Swtch , Right Scene Lts, Cab Switch Panel	1	RAS
54-15-6600		|-- Scene Lt Swtch , Rr Scene Lts, Cab Switch Panel	1	RAS
54-15-6700		|-- Scene Lt Swtch , Rr Scene Lts, Auto w/ Reverse	1	RAS
55-11-1100	>	Dr Open/Hazard Wrn Lt, w/Chassis	1	RAS
		== R Series Pumper -Chassis Modifications - 4212.023 04/21/23 ==		**RAS**
		CHASSIS MODIFICATIONS		**RAS**
		PLACARDS and LABELING		**RAS**
10-02-1100		Label, Data, Fluid Levels	1	RAS
10-02-1200		Label, Data, Height x Length, Weight	1	RAS
10-02-1300		Label, Data, "No Ride" Rr Step	1	RAS
10-02-1400		Label, Data, Tire Pressure	1	RAS
10-02-2100		Label, Indicating Number of Seats	1	RAS
10-02-2500		Label, "Caution: Do Not Wear Helmet While Seated"	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
10-03-3100		|-- Tow Hooks, Front, Supl'd With Chassis	1	RAS
10-03-6000		|-- Tow Plates (2), Rear Frame Rail, Under Step	1	RAS
80-43-2400		|-- Painting, Tow Plates, Blk	1	RAS
		BUMPER MODIFICATIONS - EXTENSIONS - COMPARTMENTS		**RAS**
10-04-2150		|-- Bumper Extension, 18", By Body Builder	1	RAS
10-04-2340		|-- Bumper Gravelshield, 18", By Body Builder	1	RAS
10-04-2719	>	Hosewell Compartment, Center Bumper	1	RAS
10-04-3150		|-- Aluminum T/P Door, Flat Style, Front Bumper Compartment	1	RAS
08-00-0719		|-- Compartment LED Strip Light, (1) Each Compartment (approx 30")	1	RAS
08-00-071A		|-- Compartment Light, Mounting Door Jamb	1	RAS
55-06-1100		|-- Cmpt Lt, Dr Swtch, Auto, Ea	1	RAS
		WHEEL TRIM and COVERS		**RAS**
10-06-1110		Wheel Trim, SST Hub/Lug Covers, Front/Rear, Single Axle	1	RAS
10-06-1601	>	Tire Pressure Indicator, Single Axle, RWTG1235	1	RAS
10-08-2100		Mud Flaps, Rear Wheels, Black, w/ Body	1	RAS
		CAB STEPS, RUNNING BRDS, COMPARTMENTS and TRAYS		**RAS**
10-10-1570		|-- Cab Step Enclosure, Freightliner, 4 Door Driver Side w/Compt	1	RAS
10-10-1580		|-- Cab Step Enclosure, Freightliner, 4 Door Passenger Side w/Compt	1	RAS
		== R Series FX Pump & Plumbing - 4212.023 04/21/23 ==		**RAS**
		FIRE PUMPS		**RAS**
19-20-3000	< >	Pump, Waterous, CXVC20, 1 Stage, Midship	1	RAS
		All Pump Manufactures recommend that their Pumps are drained after every use and be stored dry. End user is responsible to follow this recommendation.		
20-23-2131	< >	|-- Pump Flow Rtng, Waterous, CXC22, 1500 GPM	1	RAS
		All Pump Manufactures recommend that their Pumps are drained after every use and be stored dry. End user is responsible to follow this recommendation.		
22-03-1650		|-- Intk, Ungated, 6", LH Side	1	RAS
22-41-6000		|-- Cap, 6", Chrome Long Hndl	1	RAS
22-03-2650		|-- Intk, Ungated, 6", RH Side	1	RAS
22-41-6000		|-- Cap, 6", Chrome Long Hndl	1	RAS
20-26-2200		|-- Pump Seal, Mech, Waterous	1	RAS
20-26-2400	>	|-- Pump Impeller, Waterous, Flame Plated Hubs	1	RAS
20-26-3200		|-- Pump Shift, Waterous, Elec/Pneumatic Operated	1	RAS
27-10-3400	>	|-- Pressure Gvrnr, FRC, In-Cntrl, w/Bdy, TGA300	1	RAS
20-29-1200	>	|-- Primer, Trident Air Primer, Automatic	1	RAS
20-29-1250		|-- Primer Control - Main Pump Rocker Switch	1	RAS
20-30-5100		|-- Pump Install, Midship Split Shaft, By Bdy Bldr	1	RAS
		STAINLESS STEEL PUMP PLUMBING *		**RAS**
21-00-2000		|-- Screens/Anodes, Pump	1	RAS
21-00-3300		|-- Piping, SST - 1250 GPM & Up	1	RAS
21-01-0200	>	|-- Pump Drain, Master, Manifold, Push Pull Type	1	RAS
21-01-5500		|-- Intk Manifold, SST	1	RAS
21-01-6500		|-- Dschg Manifold, SST	1	RAS
21-01-7100		|-- Painting, Pump & Piping, Silver	1	RAS
21-01-8100		|-- Threads, National Hose (NST)	1	RAS
22-51-5210	>	|-- Tank-To-Pump, Water Tank, 3" Vlv/4" Piping, Midship, Pmpr/Tnkr	1	RAS
22-50-0100		|-- Single Tank to Pump Control - Pump Operator's Panel	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
24-62-1300		|-- Vlv Mfger, AKR, 8000, (3")	1	RAS
22-55-4012		|-- Intk Vlv Cntrl, Pull Rod, 1/4 Turn, AKR - IC	1	RAS
23-02-1300		|-- Tank Fill/Cooling Line, Water Tank, 2"	1	RAS
24-62-1200		|-- Vlv Mfger, AKR, 8000, (2")	1	RAS
22-55-4012		|-- Intk Vlv Cntrl, Pull Rod, 1/4 Turn, AKR - IC	1	RAS
20-31-3600		Dump-Relief Vlv, Suction Side, TFT A18	1	RAS
20-31-4100		Pump Cooler, Bypass-To-Tank, 3/8"	1	RAS
20-31-5100	>	Heat Exchanger, Engine, Hook-Up Only	1	RAS
20-31-1000		|-- Fire Pump Testing - Pumpers/Tankers	1	RAS
20-31-1100		|-- Pump Test, Pumper, UL	1	RAS
20-31-1500		|-- Pump Test, Label	1	RAS
22-12-1104		Intk, Aux, Gtd, 2-1/2", NST, Left Side	1	RAS
21-01-2502		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	1	RAS
22-41-1100		|-- Plug, 2-1/2", Chrome Rocker Lug, w/Chain	1	RAS
24-62-1254		|-- Vlv Mfger, AKR, 8000, (2-1/2")	1	RAS
22-55-4050		|-- Intk Vlv Cntrl, AKR, Mnl Swing Type-Adjacent	1	RAS
23-05-2202		Dschg, 1-1/2", Front Center Bumper, Swivel, NST Chrome Swivel	1	RAS
21-01-2200		|-- Drain/Bleeder, Class 1, Automatic	1	RAS
23-05-9200		|-- Hose Connection, Abv Frnt Bmpr, Swivel	1	RAS
24-61-1200		|-- Vlv Mfger, AKR, 8000, (2")	1	RAS
24-53-0020	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge	1	RAS
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	1	RAS
23-06-2202		|-- Crosslay Dschgs, (2) 1-1/2", Over Pump Panel, NST 200 ft x1-3/4-in ea w/divider	1	RAS
21-01-2502		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	2	RAS
24-61-1204		|-- Vlv Mfger, AKR, 8000, (2")	2	RAS
24-53-0020	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge	2	RAS
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	2	RAS
23-08-3300		|-- Crosslay Cvr, Alum T/P, Sngl, W/Vinyl End Flaps (Non NFPA Walking Surface)	1	RAS
29-20-5600		|-- Vinyl Cover, Color, RED	1	RAS
23-08-4130		|-- Crosslay Trim, Alum Angles, Both Sides	1	RAS
23-08-5019		|-- Crosslay Dschgs, Over Pump Panel, Normal Height	1	RAS
23-09-4102		Dschg, 2-1/2", Left Side, Pump Panel, NST	2	RAS
21-01-2502		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	2	RAS
24-02-1200		|-- Elbow, 2-1/2"F x 2-1/2" NST M, Chrome	2	RAS
24-03-1400		|-- Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain	2	RAS
24-61-1254		|-- Vlv Mfger, AKR, 8000, (2-1/2")	2	RAS
24-53-0020	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge	2	RAS
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	2	RAS
23-10-4102		Dschg, 2-1/2", Right Side, Pump Panel, NST	1	RAS
21-01-2502		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	1	RAS
24-02-1200		|-- Elbow, 2-1/2"F x 2-1/2" NST M, Chrome	1	RAS
24-03-1400		|-- Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain	1	RAS
24-61-1254		|-- Vlv Mfger, AKR, 8000, (2-1/2")	1	RAS
24-53-0020	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	1	RAS
23-10-5202		Dschg, 3" x 4"NST, Right Side, Pump Panel, NST	1	RAS
21-01-2502		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	1	RAS
24-02-2600		|-- Elbow, LW Alum, 5" Storz x 4"F	1	RAS
24-03-2200		|-- Cap, LW Alum, 5" Storz, w/Cable	1	RAS
24-61-1304		|-- Vlv Mfger, AKR, 8000, (3")	1	RAS
24-53-0300	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR Slow Close - IC w/Gauge	1	RAS
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	1	RAS
23-13-3202		Dschg, 2-1/2", Right Rr, NST	1	RAS
21-01-2502		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only	1	RAS
24-02-1200		|-- Elbow, 2-1/2"F x 2-1/2" NST M, Chrome	1	RAS
24-03-1400		|-- Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain	1	RAS
24-61-1254		|-- Vlv Mfger, AKR, 8000, (2-1/2")	1	RAS
24-53-0020	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge	1	RAS
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	1	RAS
24-11-6300		Monitor Dschg, 3", Over Midship Pump Enclsr , NPT	1	RAS
21-01-2500		|-- Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn	1	RAS
24-61-1304		|-- Vlv Mfger, AKR, 8000, (3")	1	RAS
24-53-0300	>	|-- Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR Slow Close - IC w/Gauge	1	RAS
27-02-1500	>	|-- Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF	1	RAS
25-01-0010	< >	Foam System Provisions, Future Installation, Dept or Dealer Installed	1	RAS
		Crosslays, and front bumper		
25-01-0019		|-- Provisions are for 1600 Foam Pro - Plumb to (2) Crosslays + (1) add'l discharge	1	RAS
25-20-1200		|-- Foam Plmbg, Sngl Class A Tank, 1" Mnl Vlv	1	RAS
25-21-1300		|-- Foam Tank, Intgrl Poly, 20 Gal, Class A	1	RAS
25-22-9100		|-- Foam Tank, No Manufacturer Preference	1	RAS
25-23-1000		|-- Foam Tank Drain, 1" Gate Vlv, Under Tank	1	RAS
27-36-1100	>	|-- Foam Tank Gauge, FRC TankVision Pro 300, Class A, Pump Panel #WLA360-A00	1	RAS
		== R Series Pumper-Side Mount Pump Compt - 4212.023 04/21/23 ==		**RAS**
26-02-1200	>	Pump Enc, Side Mt, Extrd Alum, 40-49"W	1	RAS
26-10-2110		Pump Enc Cmpt, SM, Dnnge Over Pump, Open	1	RAS
26-30-1100		Rng Brd, LH Pump Panel, Alum T/P, SM	1	RAS
26-30-1150		Rng Brd, RH Pump Panel, Alum T/P, SM	1	RAS
26-31-3300		Pump Side Access Door, Upper LH, Line-X	1	RAS
26-35-5100		Pump Panel, Line X, LH/RH, SM	1	RAS
26-35-1100		|-- Pump Panel, Bltd, LH	1	RAS
26-35-1400	>	|-- Pump Panel, Hngd, RH	1	RAS
26-55-1100		Labels, Test Data and Safety Placards	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
26-55-2050		Labels, Color Coded	1	RAS
26-56-1125		Pump Panel LED Lts, (3) Tecniq E10-W0001-1, Midship LH w/ Sw on Pmp Oprtr's Pnl	1	RAS
26-56-1225		Pump Panel LED Lts (2), Midship RH, Tecniq E10-W0001-1	1	RAS
26-56-2000		Pump Panel Lt (1), Actuated w/Pump Engagement	1	RAS
27-01-4100	>	Gauge, Test Taps	1	RAS
27-35-1100	>	Water Tank Gauge, FRC, TankVision Pro 300, Pump Panel WLA300-A00	1	RAS
		== HLHD/HRHD Rapid Response 1000 Tank - 4212.023 04/21/23 ==		**RAS**
25-26-1502		Water Tank, 1000 Gal, Pmpr/Tnkr , Poly	1	RAS
25-25-0060		|-- Water Tank, "T" Tank	1	RAS
25-44-1300		|-- Water Tank, Fill Tower, 10" x 10", <1500 Gals	1	RAS
25-50-1100		Water Tank Drain, 1", 1/4 Turn Vlv	1	RAS
29-10-1100		Hosebed, Grating, Slotted Aluminum 1/4" <180" Long	1	RAS
29-10-5100		|-- Hosebed, Strge Cpcty, 55 Cubic Feet, Minimum	1	RAS
29-10-8600		Alum Box Around Fill Towers	1	RAS
29-20-2000	>	Hosebed Cvr, Vinyl, <180" L, <74" W, Velcro	1	RAS
29-20-5600		|-- Vinyl Cover, Color, RED	1	RAS
30-00-0299		Raw Material Surcharge - Single Axle	1	RAS
30-01-1904		Bdy Const - Rosenbauer FX - 3/16" Alum - SA Pmpr/Tnkr	1	RAS
30-01-2250		|-- Electrolysis Corrosion Cntrl	1	RAS
30-02-2200		|-- Smooth Alum Compt Floors	1	RAS
30-10-1100		|-- Sub Frame, Hot-Dip Galv	1	RAS
31-01-1110		|-- Bdy, Frmd Alum, Pmpr/Tnkr , Up to 156"	1	RAS
44-06-2200		|-- Whl Well Panel, Alum Pntd, Sngl Axle - Alum	1	RAS
44-06-4100		|-- Fenderette, Polished Aluminum	1	RAS
31-01-2154		98" OAW, 25" 15-25" Half Dpth, SA HL/HR	1	RAS
29-00-1200		|-- Hosebed, Pmpr, <180" L, 68" Wide	1	RAS
32-03-0080		|-- Cmpt Height, 74.5" High Left	1	RAS
32-03-1080		|-- Cmpt Height, 74.5" High Right	1	RAS
32-04-1231		Roll Up Drs, HL/HR	1	RAS
30-02-1140	>	|-- Roll-Up Drs - Amdor	7	RAS
32-05-1129		|-- Ahd Rr Whls - Full Ht Comp't - Roll Up Door	1	RAS
44-40-1020		|-- Vents, Compts, Louvers (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4119		|-- Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")	1	RAS
55-01-4219		|-- Cmpt Lt, Mtng Door Jamb	1	RAS
55-06-1409		|-- Cmpt Lt, Dr Swtch, Magnetic, Ea	1	RAS
32-05-1359		|-- Upr Hgh Sde - Sgle Comp't - Roll Up Dr	1	RAS
44-40-1020		|-- Vents, Compts, Louvers (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4009		|-- Cmpt LED Strip Lt, (2) Ea Cmpt (approx 12")	1	RAS
55-06-1409		|-- Cmpt Lt, Dr Swtch, Magnetic, Ea	1	RAS
32-05-1722		|-- Bhnd Rr Whls - Full Ht Comp't - Roll Up Door	1	RAS
44-40-1020		|-- Vents, Compts, Louvers (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4119		|-- Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
55-01-4219		|-- Cmpt Lt, Mtng Door Jamb	1	RAS
55-06-1409		|-- Cmpt Lt, Dr Swtch, Magnetic, Ea	1	RAS
32-06-1130		|-- Ahd Rr Whls - Full Ht Comp't - Roll Up Door	1	RAS
44-40-1020		|-- Vents, Compts, Louvers (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4119		|-- Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")	1	RAS
55-01-4219		|-- Cmpt Lt, Mtng Door Jamb	1	RAS
55-06-1409		|-- Cmpt Lt, Dr Swtch, Magnetic, Ea	1	RAS
32-06-1475		|-- Upr Hgh Sde - Sgle Comp't - Roll Up Door	1	RAS
44-40-1020		|-- Vents, Compts, Louvers (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4009		|-- Cmpt LED Strip Lt, (2) Ea Cmpt (approx 12")	1	RAS
55-06-1409		|-- Cmpt Lt, Dr Swtch, Magnetic, Ea	1	RAS
32-06-1740		|-- Bhnd Rr Whls - Full Ht Comp't - Roll Up Door	1	RAS
44-40-1020		|-- Vents, Compts, Louvers (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4119		|-- Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")	1	RAS
55-01-4219		|-- Cmpt Lt, Mtng Door Jamb	1	RAS
55-06-1409		|-- Cmpt Lt, Dr Swtch, Magnetic, Ea	1	RAS
33-60-1102		Rr Bdy, Flat Back	1	RAS
32-08-0210		|-- Rr Cntr Comp't - Full Ht Roll Up/Trans- Natural Finish	1	RAS
44-40-1100		|-- Vents, Compts, Louvers, Includes Filters (Ea)	1	RAS
45-01-1050		|-- Shelving Tracks, (2) Unistrut, Alum	1	RAS
55-01-4119		|-- Strip Light, LED Light, (2) Ea Compartment (approx 30")	1	RAS
55-01-4219		|-- Light Mounting, Door Jamb	1	RAS
55-06-1409		|-- Compartment Light, Door Switch, Magnetic, Ea	1	RAS
33-61-1400		|-- Rr Step, Pmpr-Tnkr Bdy, Bolt-On, 14"	1	RAS
33-66-1160	>	Steps, Fldg, Frnt, Left Hand (4), Integral LED Lts	1	RAS
33-66-2160	>	Steps, Fldg, Frnt, Right Hand (4), Integral LED Lts	1	RAS
38-90-2050		Access Ladder, Rosenbauer EZ Climb, Left Rr	1	RAS
44-01-1400		Bdy Trim, Frnt Bdy, Ht of Side Cmpts, Alum T/P	1	RAS
44-01-4000		Bdy Trim, Entire Rr Bdy, Smooth for Chevron Stripe	1	RAS
44-02-1100		Rub Rails, Lwr Bdy, Extrd Alum	1	RAS
44-02-2000		|-- Rub Rails, Spacers, Nylon	1	RAS
44-10-3020	< >	|-- Whl Well Cmpt, Four (4) SCBA Tube, Brshd SST Dr	1	RAS
		Each tube is 8" round and 24.25" Deep		
44-10-6000		|-- Whl Well Compt, SCBA Compt Straps	4	RAS
44-10-1400	< >	|-- Whl Well Cmpt, Sngl SCBA Tube, Brshd SST Dr	1	RAS
		Each tube is 8" round and 24.25" Deep		
44-10-6000		|-- Whl Well Compt, SCBA Compt Straps	1	RAS
44-10-3020	< >	|-- Whl Well Cmpt, Four (4) SCBA Tube, Brshd SST Dr	1	RAS
		Each tube is 8" round and 24.25" Deep		
44-10-6000		|-- Whl Well Compt, SCBA Compt Straps	4	RAS
44-10-1400	< >	|-- Whl Well Cmpt, Sngl SCBA Tube, Brshd SST Dr	1	RAS
		Each tube is 8" round and 24.25" Deep		
44-10-6000		|-- Whl Well Compt, SCBA Compt Straps	1	RAS

PART NO	S	DESCRIPTION	QTY	ID
90-02-3500		Ladder Strge, Vrtcl Slide In, Passenger Rear Bdy	1	RAS
90-02-2920		|-- Compt Door, Smooth, With Chevron	1	RAS
90-02-5310		Ladder Mtg, Fldg Attic, Internal	1	RAS
90-03-0225		Ladders, Ground, Provd'd By Bdy Bldr, SD	1	RAS
90-16-5400		Pike Pole Mtg, In Ladder Tunnel, Ea	2	RAS
90-25-7750		Suction Hose Compt, Abv Comp'ts, Driver Side Pntd Smooth (Ea)	1	RAS
90-02-2920		|-- Compt Door, Smooth, With Chevron	1	RAS
90-25-7850		Suction Hose Compt, Abv Comp'ts, Passenger Side Pntd Smooth (Ea)	1	RAS
90-02-2920		|-- Compt Door, Smooth, With Chevron	1	RAS
90-25-9115	>	Suction Hose Provd'd By, Bdy Bldr, SD	1	RAS
		== RR Pumper-AC Electrical System - 4212.023 04/21/23 ==		**RAS**
		== R Series FX Paint / Stripe - Single Axle - 4212.023 04/21/23 ==		**RAS**
80-05-1200		Bdy Paint, Sngl Axle, Pmpr/Tnkr - Sngl Color	1	RAS
80-06-1100	<	|-- Apparatus Color	1	RAS
		Match chassis		
80-06-1000		Bdy Paint	1	RAS
80-30-1200		Compt Finish, Spatter Coat, Up to 8 Cmpts	1	RAS
80-42-1500		Bdy Paint, Touch Up, 2 oz. Bttl, One Color	1	RAS
80-50-1800	>	Lettering, 4" Mylar Gold Leaf, 75 Letters	1	RAS
80-70-1300	>	Stripe, Single Reflective, 4", Straight Design	1	RAS
80-75-1600		|-- Reflective Stripe Material, White	1	RAS
80-72-1108	>	Stripe, Reflective, Oralite V98, Chevron Pattern Entire Rear Red/Yellow	1	RAS
80-79-1000		NFPA Standing / Walking Surfaces Yellow Safety Tape (NFPA 15.7.1.6)	1	RAS
		== R Series FX Pumper Loose Equipment - 4212.023 04/21/23 ==		**RAS**
90-03-3300		|-- Ladder, Roof, Duo-Safety, 14' Alum 775-A	1	RAS
90-06-4600		|-- Ladder, Ext, Duo-Safety, 24' Alum, 2 Sect 900-A	1	RAS
90-08-2600		|-- Ladder, Attic, Duo-Safety, 10' Alum, Fold 585-A	1	RAS
90-25-3100		|-- Suction Hose, Flex, PVC, 6"x10'	2	RAS
90-25-6100		|-- Suction Hose Cplgs, Alum, LH FM x RLM	2	RAS
90-26-1600		|-- Suction Strainer, Barrel Type, 6", Kochek #BS60	1	RAS
90-16-2800		|-- Pike Pole, 10' Fbgls, Round Hndl	1	RAS
90-16-3000		|-- Pike Pole, 12' Fbgls, Round Hndl	1	RAS

One (1) == Bid Prep Forms FXR / RXT Series Pumper - 4212.023 04/21/23 ==

One (1) Information Request Form (Factory Required)
00-00-1100

INFORMATION REQUEST FORM

Please allow a minimum of 2 weeks of processing time for bids and 3 weeks for proposals. Trucks with numerous special options may require additional processing time. If expedited processing is required, please call ahead to make sure accommodations can be made before submitting files.

REQUEST TYPE	PROPOSAL		REQUESTED RETURN DATE	**5/30/23**
	BID	**xx**	BID DATE	**5/30/23**
	DRAWING ONLY			
	CONSORTIUM			
DEPARTMENT NAME				
STREET ADDRESS				
PO BOX				
CITY/STATE/ZIP				
PHONE				
DEALERSHIP	**Rosenbauer South Dakota**			
SALES REP	Mike Harstad			

INFORMATION NEEDED

x	Body Price		Amp Report -Must include chassis specs		ISO Certificate (Please download from dealer web site)
	Drawing		10% Bid Bond (Mail & E-Mail)		Cert of Insurance PDF
x	Drawing Update / W&B Update -Must Include Marked Up Drawing		10% Bid Bond PDF **E-Mail Only**		Company History can be selected or cut/pasted from 01-08-0150
x	Weight & Balance		5% Bid Bond (Mail & E-Mail)		Reference Lists administered by Dealerships
x	Chassis Price		5% Bid Bond PDF **E-Mail Only**		Legals -Please provided specific list of required items
	Match Previous Build -Must Include Job Number/Name		Please note job number here		

Bonaventure Co., Inc

PENALTY CLAUSE?		YES		NO	AMOUNT	
PENALTY CLAUSE VERBIAGE						
Please insert penalty clause language here or submit a scan of penalty clause specification with project submission.						
MISC NOTES:						
SEND TO:						
NAME	Mike Harstad					
ADDRESS	100 Third Street					
CITY/STATE/ZIP	Lyons SD 57041					
EMAIL	mharstad@rosenbaueramerica.com					

One (1) Fire Department Name
00-00-1300

BID SPECIFICATIONS

FOR

One (1) Overall Height Restriction, NONE
00-00-1499

OVERALL HEIGHT

An overall height restriction has not been specified for this apparatus.

One (1) Overall Length Restriction, NONE
00-00-1509

OVERALL LENGTH

An overall length restriction has not been specified for this apparatus.

One (1) Overall Width Restriction, NONE
00-00-1519

OVERALL WIDTH

An overall width restriction has not been specified for this apparatus.

One (1) Wheelbase Restriction, NONE
00-00-1529

WHEELBASE

A wheelbase restriction has not been specified for this apparatus.

One (1) Angle of Approach, NFPA Minimum, 8 Degrees
00-00-1539

ANGLE OF APPROACH

The angle of approach for the apparatus shall not be less than eight (8) degrees as specified by the current edition of the NFPA 1901 Guideline.

One (1) Angle of Departure, NFPA Minimum, 8 Degrees
00-00-1549

ANGLE OF DEPARTURE

The angle of departure for the apparatus shall not be less than eight (8) degrees as specified by the current edition of the NFPA 1901 Guideline.

One (1) Contract Change Notice
00-00-3220

CONTRACT CHANGE NOTICE

The quoted delivery time is based upon our receipt of the specified materials required to produce the apparatus in a timely manner. "Delivery" means the date company is prepared to make physical possession of vehicle available to the customer.

The Company shall not be responsible nor deemed to be in default on account of delays in performance due to causes which are beyond the Company's control which make the Company's performance impracticable, including but not limited to civil wars, insurrections, strikes, riots, fires, storms, floods, other acts of nature, explosions, earthquakes, accidents, any act of government, delays in transportation, inability to obtain necessary labor supplies or manufacturing facilities, allocation regulations or orders affecting materials, equipment, facilities or completed products, failure to obtain any required license or certificates, acts of God or the public enemy or terrorism, failure of transportation, pandemics, epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their contracts or labor troubles causing cessation, slowdown, or interruption of work.

After execution and acceptance of this Purchase Process, the Buyer may request that the Company incorporate a change to the Products or the Specifications for the Products by delivering a Change Order to the Company; provided, however, that any such Change Order must be in writing and include a description of the proposed change sufficient to permit the Company to evaluate the feasibility of such Change Order. Within seven (7) working days of receipt of a Change Order, the Company will inform the Buyer in writing of the feasibility of the Change Order, the earliest possible implementation date for the Change Order, of any increase or decrease in the Purchase Price resulting from such Change Order, and of any effect on production scheduling or delivery resulting from such Change Order. The Company shall not be liable to the Buyer for any delay in performance or delivery arising from any such Change Order. Purchase Price may be modified only by mutual written agreement of the Parties because of changes to the Apparatus required or requested by the Buyer during the construction process pursuant to Appendix C, Change Order Policy. Any changes in the Purchase Price resulting from changes to the Apparatus required or requested by the Buyer during the construction process shall be stated in the Change Order signed by both parties. Additional Changes: If various state or federal regulatory agencies (e.g., NFPA, DOT, EPA) require changes to the specification and/or the product that result in a cost increase to comply therewith this cost will be added to the Purchase Price to be paid by the customer.

One (1) Financial Stability Response
00-12-1100

FINANCIAL STABILITY SPECIFICATIONS

With high-profile instances of fire apparatus manufacturers encountering financial difficulties, it is imperative that fire departments be diligent in evaluating the financial position of the companies they solicit to build on their emergency response vehicles. A contract entered into with a company on shaky ground is a dangerous prospect, since conducting business with a manufacturer in such condition could open the department to monumental problems.

Take, for instance, the growing theme of manufacturers *requiring* as opposed to *offering* pre-payment and progressive payment options with a corresponding discount off the price of a vehicle. Such offers are made with an ulterior motive in mind, as it can be generally inferred that

manufacturers requiring pre-payments and progressive payments do so because they need your cash *today* to fund production of other vehicles already in the backlog.

Should problems arise, as has been the case in situations too numerous to mention, your department risks losing any down payments already made or even the entire cost of a piece of equipment should certain pre-pay discount situations go awry.

While pre-payment discounts may be enticing, it is important to know just how stable the manufacturer seeking your funds is before you make that commitment. If you enter into one of these agreements and the manufacturer hits a rough patch, it is you that will be hurting, because your funds may not be recoverable. However, if you enter into a contract with a financially sound manufacturer, you will reap all of the benefits of a well-built truck at a lower cost. You may equally, by taking advantage of the time-value of money, be able to afford more truck than initially thought, because funds saved by leveraging pre-payment options could allow you get some added features that you might not necessarily have been able to afford.

With this in mind, it must be noted that Rosenbauer is a company with rock-solid financial stability. This is a statement not made lightly, as we can prove it to you. We can provide language that you can insert into your bid specifications that stipulates that in order for bids to be accepted by a fire department, the company bidding must meet several fiscal criteria.

The first criteria call for the successful bidder to meet a debt-to-equity ratio not exceeding a 2.0 rating. Rosenbauer presently stands at a 1.51 rating, which is well-below the accepted rating. This low number results from Rosenbauer owning more assets with a marginal debt service. This means we are not using lenders to fund our operations, nor our growth.

The second requirement is that the debt coverage ratio of the successful body builder exceeds a 100 rating. The higher the number, the better able a company is to meet its payment obligations with banks and creditors. Rosenbauer's number is at 279.6, which is nearly three times the required amount. The higher the debt coverage ratio, the easily and more fluidly a company is positioned to pay its monthly obligations and operating costs.

The third criteria require that the equity ratio of the successful bidder must exceed .30 rating. A higher equity ratio indicates that the body builder has increased flexibility to meet its financial obligations which translates into greater financial stability. Rosenbauer currently has an equity ratio of .387 which is well above the accepted rating and an excellent indicator of financial strength.

When exploring and evaluating various manufacturers to consider for building your apparatus, there is little doubt you will find one that stands on as firmly a financial ground as Rosenbauer. While others are experiencing stressful issues that raise doubts as to the company's long-term viability, Rosenbauer continues to demonstrate a strengthening of its financial position in the

apparatus manufacturing industry. Because Rosenbauer meets and exceeds all the above-stated financial bid requirements, we are best positioned to ensure customers of a strong relationship with the company, which cannot be claimed by most of our competitors in this volatile market.

The Rosenbauer America Dun and Bradstreet number is 02-447-3584. To acquire a Dun and Bradstreet report, telephone them at 1-800-234-3867 (in Canada 800-463-6362) or visit their web site address at www.dnb.com. Dun and Bradstreet is nationally recognized, independent financial analysis company.

One (1) Calculated Center of Gravity
01-06-0500

CENTER OF GRAVITY

The apparatus, prior to acceptance, will be required to meet the vehicle stability of the applicable NFPA Automotive Fire Apparatus Standard.

A calculated center of gravity shall be provided. The calculated or measured center of gravity (CG) shall be no higher that 80-percent of the rear axle track width. If so, a tilt table test at the apparatus body builder's facility or Electronic Stability Control (ESC) must be provided on the chassis meeting the requirement of the NFPA 1901 Guideline.

One (1) Technical Drawings, Representative Drawings (3-View) (Left/Right/Rear)
01-07-0060

ENGINEERING BLUEPRINTS

ROSENBAUER has submitted "proposal" blueprints which are “representative” of the vehicle being proposed and these have been generated on computer-aided-design (CAD) equipment.

The blueprints are provided as follows:

Sheet No. 1:

- Left side exterior view
- Right side exterior view
- Rear exterior view

ROSENBAUER shall provide construction drawings for approval prior to actual construction of the vehicle.

The design of the equipment is in accordance with the best engineering practices. The equipment design and accessory installation shall permit accessibility for use, maintenance and service. All components and assemblies shall be free of hazardous protrusions, sharp edges, cracks or other elements, which might cause injury to personnel or equipment.

All oil, hydraulic, and air tubing lines and electrical wiring shall be located in protective positions properly attached to the frame or body structure and shall have protective loom or grommets at each point where they pass through structural members, except where a through-frame connector is necessary.

Parts and components will be located or positioned for rapid and simple inspection and recognition of excessive wear or potential failure. Whenever functional layout of operating components determines that physical or visual interference between items cannot be avoided, the item predicted to require the most maintenance shall be located for best accessibility.

One (1) Change Orders
01-07-1100

CHANGE ORDERS

To ensure the proper engineering and construction of the purchaser's custom fire apparatus in a timely manner, the contractor shall consider the order final and complete after any changes made during the pre-construction conference are mutually approved. Change orders requested after the pre-construction conference are discouraged. It shall be understood and agreed that any changes, if approved, after the order has been released to Engineering, shall constitute a valid cause for production delay and without penalty to the contractor.

One (1) Manuals, Body Complete, 2 Sets Printed
01-33-3200

BODY MANUAL - PRINTED

Rosenbauer shall provide with the vehicle upon delivery, two (2) complete delivery manuals. These manuals shall be in notebook type binders, with reference tabs for each section of the vehicle.

Within each section shall be:

- Individual component manufacturer instruction and parts manuals
- Warranty forms for the body
- Warranty forms for all major components
- Warranty instructions and format to be used in compliance with warranty obligations
- Wiring diagrams
- Installation instruction and drawings for major parts
- Visual graphics and electronic photos for the installation of major parts
- Necessary normal routine service forms, publications and components of the body portion of the apparatus
- Technical publications for training and instruction on major body components
- Warning and safety related notices for personnel protection
- Cab and chassis manuals on parts, service and maintenance shall be provided

One (1) == Warranties - FXR / RXT Series Pumper - 4212.023 04/21/23 ==

One (1) Warranty, Apparatus, Body Warranty, 1 Year
01-16-0150

BODY WARRANTY

We warrant each new motorized fire apparatus manufactured by ROSENBAUER AMERICA, LLC for a period of ONE YEAR from the date of delivery, except for chassis and other components noted herein.

Under this warranty we agree to furnish any parts to replace those that have failed due to defective material or workmanship where there is no indication of abuse, neglect, unusual or other than normal service providing that such parts are, at the option of ROSENBAUER AMERICA, LLC, made available for our inspection at our request, returned to our factory or other location designated by us with transportation prepaid within thirty days after the date of failure or within one year from the date of delivery of the apparatus to the original purchaser, whichever occurs first, and inspection indicates the failure was attributed to defective material or workmanship.

The warranty on the chassis and chassis supplied components, storage batteries, generators, electrical lamps and other devices subject to deterioration is limited to the warranty of the manufacturer thereof and adjustments for the same are to be made directly with the manufacturer by the customer.

This warranty will not apply to any fire apparatus that has been repaired or altered outside our factory in any way, which in our opinion might affect its stability or reliability.

This warranty shall not apply to those items that are usually considered normal maintenance and upkeep services: including, but not limited to, normal lubrication or proper adjustment of minor auxiliary pumps or reels.

This warranty is in lieu of all other warranties, expressed or implied, and all other obligations or liabilities on our part. We neither assume nor authorize any person to assume for us any liability in connection with the sales of our apparatus unless made in writing by ROSENBAUER AMERICA, LLC.

One (1) Warranty, Body, Alum, 5 Years
01-19-0250

ALUMINUM BODY WARRANTY - FIVE YEAR

Rosenbauer America, LLC warrants to the original purchaser only, that the all-aluminum body, fabricated by Rosenbauer America, LLC, under normal use and with reasonable maintenance, be structurally sound and will remain free from corrosion perforation for a period of FIVE (5) years.

This warranty does not apply to the following items that are covered by a separate warranty: paint finish, hardware, moldings, and other accessories attached to this body. In addition, this warranty does not apply to any part or accessory manufactured by others and attached to this body.

ROSENBAUER AMERICA, LLC MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO THE ALUMINUM BODY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND HEREBY DISCLAIMED.

Rosenbauer America, LLC will replace without charge, repair or make a fair allowance for any defect in material or workmanship demonstrated to its satisfaction to have existed at the time of delivery or not due to misuse, negligence, or accident. If Rosenbauer America, LLC elects to repair this body, the extent of such repair shall be determined solely by Rosenbauer America, LLC, and shall be performed solely at the Rosenbauer America, LLC factory, or at an approved facility. The expense of any transportation to or from such repair facility shall be borne by the purchaser and is not an item covered under this warranty.

Rosenbauer America, LLC will not be liable for damages and under no circumstances will its liability exceed the price for a defective body. The remedies set forth herein are exclusive and in substitution for all other remedies to which the purchaser would otherwise be entitled.

Rosenbauer America, LLC will be given a reasonable opportunity to investigate all claims. The purchaser must commence any action arising out of, based upon or relating to agreement or the breach hereof, within twelve months from the date the cause of the action occurred.

Note: *Surety bond, if required, will cover standard one year warranty period only and will not cover any extended warranties allowed by seller or other component manufacturers.*

One (1) *Warranty, Subframe, Lifetime Galv*
01-19-2700

GALVANIZED STEEL SUBFRAME WARRANTY

The manufacturer shall provide a lifetime warranty for the galvanized steel subframe of the apparatus body. The manufacturer shall supply details of their warranty information with their bid submission.

One (1) Warranty, Paint, AkzoNobel, 5 Years
01-20-1005

PAINT WARRANTY - FIVE YEAR

The AkzoNobel paint performance guarantee will cover the areas of the vehicle finished with the specified product for a period of FIVE (5) year beginning the day the vehicle is delivered to the purchaser.

The full apparatus body, manufactured and painted by Rosenbauer America, LLC, shall be covered for the following paint failures as outlined on the guarantee certificate:

- Peeling or delaminating of the topcoat and/or other layers of paint.
- Cracking or checking.
- Loss of gloss caused by cracking, checking, or hazing.
- Any paint failure caused by defective AkzoNobel finishes, which are covered by this guarantee.

All guarantee exclusions, limitations, and methods of claims are covered in the full certificate provided to the original purchaser.

Note: *Surety bond, if required, will cover standard one year warranty period only and will not cover any extended warranties allowed by seller or other component manufacturers.*

One (1) *Pump Warranty, Waterous, 7 Years*
01-17-0700

PUMP WARRANTY

The fire pump manufacturer shall provide a seven (7) year warranty. The manufacturer shall supply details of their warranty information with their bid submission.

One (1) Plmbg Warranty, Stainless Steel, 10 Years
01-17-1050

STAINLESS STEEL PLUMBING WARRANTY

The manufacturer shall provide a ten (10) year warranty on the stainless steel plumbing components and installation. The manufacturer shall supply details of their warranty information with their bid submission.

One (1) Freightliner M2 4-door w/300 HP Engine 40000GVW 14/26 Axles
09-01-0292

FREIGHTLINER M2 CONVENTIONAL CHASSIS

One (1) SCBA Brkt, Cab Seat, Zico "NFPA" Restraint, (Four)
09-01-1300

SCBA BRACKET

Four (4) Zico SCBA bracket shall be provided for installation in the cab mounted SCBA seat. An NFPA approved cylinder retention strap shall be supplied.

One (1) Hrzntl Chassis Exhaust (Front of Rr wheel)
09-01-6100

HORIZONTAL CHASSIS EXHAUST

The chassis exhaust system shall be extended to the front of the right rear wheel.

One (1) == R Series DC Electrical System COMMERCIAL - 4212.023 04/21/23 ==

One (1) Whelen Light Package - Commercial
50-01-9010

One (1) Siren, Elect, Whelen 295SLSA1
56-01-1602

ELECTRIC SIREN AND CONTROL

A Whelen model #295SLSA1 electronic siren shall be mounted in the cab. This unit shall feature an electronic air horn, wail, yelp, hi-lo and shall have a hard wired PA microphone.

One (1) Spkr, Whelen SA315P, 100 Watt
56-02-1750

SPEAKER

One (1) Whelen Model #SA315P, nylon composite speaker shall be installed. The speaker shall be wired to the electric siren located in the cab.

One (1) Spkr Lctn, To Be Determined by Body Mfg
56-03-1800

SPEAKER LOCATION

The siren speaker shall be installed on the apparatus bumper extension, as determined by the body manufacturer.

One (1) Lt Bar, Whelen, Ultra Freedom IV, #F4N7QLED, LED, 72" (fully populated)
57-02-2502

LIGHTBAR

One (1) Whelen Ultra Freedom IV fully populated light bar shall be included with the apparatus cab. The light bar shall be a model F4N7QLED and shall be mounted on the roof of the cab, towards the front, above the windshield.

The light bar shall feature:

- A 72" light bar designed for high performance
- Two (2) red Linear Super LED corner modules
- Two (2) red 400 series Linear Super LED endcap lights
- Ten (10) red 400 series Linear Super LED lights
- Two (2) white 400 series Linear Super LED lights with clear optic lenses
- Clear hard coated lenses to provide extended life/luster protection against UV & chemical stresses
- Designed in accordance with NFPA Zone A requirements

One (1) Lightbar Cntrl, with Master Warning Switch
57-10-0600

LIGHTBAR ACTIVATION

The front upper light bar shall be activated through the master warning switch.

One (1) Wrn Lts, Whelen, Upper Rr (2) M9 LED
58-71-1774

UPPER REAR WARNING LIGHTS

One (1) pair of Whelen model M9 LED warning lights shall be installed, one each side on the upper rear of the apparatus body. The dimensions of the lights shall be 6-1/2" x 10-3/8".

One (1) Wrn Lt, Drvr, Whelen, M9, Red LED, Color Lens, Ea
57-20-1400

The driver side warning light shall be a Whelen Model M9R red Super-LED™ with color lens.

One (1) Wrn Lt, Offcr, Whelen, M9, Red LED, Color Lens, Ea
57-20-1401

The officer side warning light shall be a Whelen Model M9R red Super-LED™ with color lens.

Two (2) Flange, Chrome, Wrn Lt, Whln, M9 Ea
58-01-2180

Each light shall be mounted with a Whelen Model M9FC chrome flange.

One (1) Wrn Lts, Whelen, Upper Side Front (2) M9 LED
58-46-2100

UPPER SIDE FRONT WARNING LIGHTS

One (1) pair of Whelen model M9 LED warning lights shall be installed, on the upper portion of the body side, towards the front. The dimensions of the lights shall be 6-1/2" x 10-3/8".

One (1) Wrn Lt, Drvr, Whelen, M9, Red LED, Color Lens, Ea
57-20-1400

The driver side warning light shall be a Whelen Model M9R red Super-LED™ with color lens.

One (1) Wrn Lt, Offcr, Whelen, M9, Red LED, Color Lens, Ea
57-20-1401

The officer side warning light shall be a Whelen Model M9R red Super-LED™ with color lens.

Two (2) Flange, Chrome, Wrn Lt, Whln, M9 Ea
58-01-2180

Each light shall be mounted with a Whelen Model M9FC chrome flange.

One (1) Wrn Lts, Whelen, Upper Side Rr (2) M9 LED
58-61-2100

UPPER SIDE REAR WARNING LIGHTS

One (1) pair of Whelen model M9 LED warning lights shall be installed, one each side on the upper portion of the body side, towards the rear of the body. The dimensions of the lights shall be 6-1/2" x 10-3/8".

One (1) Wrn Lt, Drvr, Whelen, M9, Red LED, Color Lens, Ea
57-20-1400

The driver side warning light shall be a Whelen Model M9R red Super-LED™ with color lens.

One (1) Wrn Lt, Offcr, Whelen, M9, Red LED, Color Lens, Ea
57-20-1401

The officer side warning light shall be a Whelen Model M9R red Super-LED™ with color lens.

Two (2) Flange, Chrome, Wrn Lt, Whln, M9 Ea
58-01-2180

Each light shall be mounted with a Whelen Model M9FC chrome flange.

One (1) Wrn Lts, Whelen, Low Frnt, (2) M6 LED
58-03-2002

LOWER FRONT WARNING LIGHTS

One (1) pair of Whelen model M6 LED warning lights shall be installed, one each side one the front of the chassis cab. The dimensions of the lights shall be 4-5/16" x 6-3/4".

One (1) Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea
57-20-1200

The driver side warning light shall be a Whelen Model M6R red Super-LED™ with color lens.

One (1) Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea
57-20-1201

The officer side warning light shall be a Whelen Model M6R red Super-LED™ with color lens.

Two (2) Flange, Chrome, Wrn Lt, Whln, M6, Ea
58-01-2140

Each light shall be mounted with a Whelen Model M6FC chrome flange.

One (1) Warning Light, Whelen, Intersection, (2) M2 LED
58-09-2600

INTERSECTION WARNING LIGHTS

One (1) pair of Whelen model M2 LED warning lights, model M2WR, shall be installed , one each side of the chassis cab. The dimensions of the lights shall be 4-1/4" x 2-11/16".

Will only fit in EXT rub rail WITHOUT bezel

One (1) Warn Light, Driver, Whelen, M2, Red LED, Color Lens, Ea
57-20-1000

The driver side warning light shall be a Whelen Model M2WR wide-angle red Super-LED™ with color lens.

One (1) 57-20-1001 Warn Light, Officer, Whelen, M2, Red LED, Color Lens, Ea

The officer side warning light shall be a Whelen Model M2WR wide-angle red Super-LED™ with color lens.

One (1) 58-26-2400 Wrn Lts, Whelen, Low Mid Bdy (2) M2 LED, in Rub Rail

LOWER MID-BODY WARNING LIGHTS

One (1) pair of Whelen model M2 LED warning lights, model M2WR, shall be installed , one each side of the apparatus, mid-body in the rub rail. The dimensions of the lights shall be 4-1/4" x 2-11/16".

One (1) 57-20-1000 Wrn Lt, Drvr, Whelen, M2, Red LED, Color Lens, Ea

The driver side warning light shall be a Whelen Model M2WR wide-angle red Super-LED™ with color lens.

One (1) 57-20-1001 Wrn Lt, Offcr, Whelen, M2, Red LED, Color Lens, Ea

The officer side warning light shall be a Whelen Model M2WR wide-angle red Super-LED™ with color lens.

One (1) 58-36-2400 Wrn Lts, Whelen, Low Rr Side (2) M2 LED, in Rub Rail

LOWER REAR SIDE WARNING LIGHTS

One (1) pair of Whelen model M2 LED warning lights shall be installed , one each side of the apparatus, towards the rear of the body, in the rub rail. The dimensions of the lights shall be 4-1/4" x 2-11/16".

One (1) 57-20-1000 Wrn Lt, Drvr, Whelen, M2, Red LED, Color Lens, Ea

The driver side warning light shall be a Whelen Model M2WR wide-angle red Super-LED™ with color lens.

One (1) 57-20-1001 Wrn Lt, Offcr, Whelen, M2, Red LED, Color Lens, Ea

The officer side warning light shall be a Whelen Model M2WR wide-angle red Super-LED™ with color lens.

One (1) 58-81-2000 Wrn Lts, Whelen, Low Rr (2) M6 LED

LOWER REAR WARNING LIGHTS

One (1) pair of Whelen model M6 LED warning lights shall be installed, one each side on the lower rear of the apparatus body. The dimensions of the lights shall be 4-5/16" x 6-3/4".

One (1) Wrn Lt, Drvr, Whelen, M6, Red LED, Color Lens, Ea
57-20-1200

The driver side warning light shall be a Whelen Model M6R red Super-LED™ with color lens.

One (1) Wrn Lt, Offcr, Whelen, M6, Red LED, Color Lens, Ea
57-20-1201

The officer side warning light shall be a Whelen Model M6R red Super-LED™ with color lens.

One (1) Tail/Brake Lts, Whelen, LED, M62BTT (Pair)
53-03-2750

TAIL LIGHTS

One (1) pair of Whelen M62BTT LED tail/brake lights shall be provided. The rectangular 4"x6" lights shall be red.

One (1) Turn Signals, Whelen, LED w/ Arrow, M62T (Pair)
53-04-2750

TURN SIGNALS

One (1) pair of Whelen M62T LED turn signals with populated sequential chevron arrow shall be provided.

One (1) Backup Lts, Whelen, LED, M62BU (Pair)
53-06-3550

BACKUP LIGHTS

One (1) pair of Whelen Series M62BU LED backup lights shall be installed on the rear of the apparatus body. The dimensions shall be 4" x 6" and the lens color shall be clear.

One (1) Tail Lt Bezel, 4 Lts, Whln M6 (Pair), ABS Chrome
53-07-1210

FOUR LIGHT HOUSING

One (1) pair of chrome plated tail light housings shall be supplied. Each housing shall be designed to hold four (4) Whelen M6 rear lights located at the lower rear corners of the body.

One (1) Elecal, Base, Standard, W/O Load Mgmt
50-03-1000

LOW VOLTAGE ELECTRICAL SYSTEM SPECIFICATIONS

The electrical system shall include all panels, electrical components, switches and relays, wiring harnesses and other electrical components. The electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standards, the latest Federal DOT standards, and the requirements of the applicable NFPA standards.

All wiring shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for the protected circuit. Voltage drops in all wiring from the power source to the using device shall not exceed 10 percent. The wiring and wiring harness and insulation shall be in conformance to applicable SAE and NFPA standards. The wiring harness shall conform to SAE J-1128 with GXL temperature properties. All exposed wiring shall be protected in a loom with a minimum 289 degree Fahrenheit rating. All wiring looms shall be properly supported and attached to body members. The electrical conductors shall be constructed in accordance with applicable SAE standards, except when good engineering practice requires special construction.

The wiring connections and terminations shall use a method that provides a positive mechanical and electrical connection and shall be installed in accordance with the device manufacturer's instructions. Electrical connections shall be with mechanical type fasteners and large rubber grommets where wiring passes through metal panels.

The wiring between the cab and body shall be joined using Deutsche type connectors or an enclosed in a terminal junction panel area. This system will permit body removal with minimal impact on the apparatus electrical system. All connections shall be crimp-type with insulated shanks to resist moisture and foreign debris such as grease and road grime. Weather-resistant connectors shall be provided throughout to ensure the integrity of the electrical system.

Any electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. In addition, the main body junction panel shall house the automatic reset breakers and relays where required.

There shall be no exposed electrical cabling, harnesses, or terminal connections located in compartments, unless they are enclosed in a junction box or covered with a removable electrical panel. The wiring shall be secured in place and protected against heat, liquid contaminants and damage. Wiring shall be uniquely identified every three-inches (3") by color coding or permanent marking with a circuit function code and identified on a reference chart or electrical wiring schematic per requirements of applicable NFPA #1901 standards.

The electrical circuits shall be provided with low voltage overcurrent protective devices. Such devices shall be accessible and located in required terminal connection locations or weather resistant enclosures. The overcurrent protection shall be suitable for electrical equipment and shall be automatic reset type and meet SAE standards. All electrical equipment, switches, relays, terminals, and connectors shall have a direct current rating of 125 percent of maximum current for which the circuit is protected. The system shall have electro-magnetic interference suppression provided as required in applicable SAE standards.

The electrical system shall include the following:

- Electrical terminals in weather exposed areas shall have a non-conductive grease or spray applied. A corrosion preventative compound shall be applicable to all terminal plugs located outside of the cab or body.
- The electrical wiring shall be harnessed or be placed in a protective loom.
- Holes made in the roof shall be caulked with silicone. Large fender washers shall be used when fastening equipment to the underside of the cab roof.
- Any electrical component that is installed in an exposed area shall be mounted in a manner that will not allow moisture to accumulate in it.
- A coil of wire must be provided behind an electrical appliance to allow them to be pulled away from mounting area for inspection and service work.
- All lights that have their sockets in a weather exposed area shall have corrosion preventative compound added to the socket terminal area.

The warning lights shall be switched in the chassis cab with labeled switches in an accessible location. Individual rocker switches shall be provided only for warning lights provided over the minimum level of warning lights in either the stationary or moving modes. All electrical equipment switches shall be mounted on a switch panel mounted in the cab convenient to the operator. The warning light switches shall be of the rocker type. For easy nighttime operation, an integral indicator light shall be provided to indicate when the circuit is energized. All switches shall be appropriately identified as to their function.

A single warning light switch shall activate all required warning lights. This switch will allow the vehicle to respond to an emergency and "call for the right of way". When the parking brake is applied, a "blocking right of way" system shall automatically activate per requirements of the applicable NFPA standards. All "clear" warning lights shall be automatically turned off upon application of the parking brake.

NFPA REQUIRED TESTING OF ELECTRICAL SYSTEM

The apparatus shall be electrically tested upon completion of the vehicle and prior to delivery. The electrical testing, certifications, and test results shall be submitted with delivery documentation per requirements of the applicable NFPA standards. The following minimum testing shall be completed by the apparatus manufacturer:

1. Reserve capacity test:

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for ten (10) minutes. All electrical loads shall be turned off prior to attempting to

restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a failed test.

2. Alternator performance test at idle:

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

3. Alternator performance test at full load:

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. Activation of the load management system is permitted during this test. However, if an alarm sounds due to excessive battery discharge, as detected by the system requirements in the NFPA standards, or a system voltage of less than 11.7 volts dc for more than 120 seconds is present, the test has failed.

4. Low voltage alarm test:

Following the completion of the above tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates. The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts dc for a 12 volt system shall be considered a test failure. The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.

NFPA REQUIRED DOCUMENTATION

The following documentation shall be provided on delivery of the apparatus:

a. Documentation of the electrical system performance tests required above.

b. A written load analysis, including:

1. The nameplate rating of the alternator.

2. The alternator rating under the conditions.

3. Each specified component load.

4. Individual intermittent loads.

One (1) Electrical Jct Box, Weather Resistant
50-05-1510

WEATHER RESISTANT ELECTRICAL JUNCTION BOX

The electrical junction or terminal boxes shall be weather resistant and located away from water spray conditions. In addition, the main body junction panel shall house the automatic reset breakers and relays where required. The main body junction panel shall be located in the pump compartment.

One (1) Swtch Panel/Elecal Console, Btwn Cab Seats, Ntrl Fnsh
50-12-1100

ELECTRICAL CONSOLE WITH EMERGENCY LIGHT SWITCH PANEL

An electrical console shall be constructed of .125" smooth aluminum material and mounted in the cab of the truck chassis. Console shall be designed and installed between the driver and passenger seats. The top face of the console shall be designed as the switch panel for all emergency light switches. The switch panel shall be hinged for easy access to the switch connections.

All emergency light switches shall be lighted, rocker style. Switches shall be internally lit when the switch circuit is in the on position. A plug-in identification label is to be provided and installed adjacent to each rocker switch with backlighting provided behind the label.

SWITCHES

A rocker style internally lighted switch shall be provided and wired through a heavy-duty relay to activate power to the emergency lights. The emergency lights shall be activated by a single "MASTER SWITCH" on the electrical console.

One (1) Batteries, With Supl'd Chs
50-15-1100

BATTERY SYSTEM

The battery system shall be supplied with the chassis.

One (1) Battery Swtch, Mstr Disconnect , Chs Sppld
50-15-3100

MASTER ELECTRIC SWITCH

A battery disconnect switch shall be located conveniently to the driver of the apparatus. The switch shall disconnect the 12 volt power supply from the battery system.

One (1) Battery Charger Kussmaul

50-15-7600

One (1) Battery Chrgr/Comp, KUSS, Pump Plus 1200 52-05-1100
50-15-7800

BATTERY CHARGER AND AIR COMPRESSOR

A Kussmaul Pump Plus 1200 model 52-05-1100 battery charger and air compressor system shall be installed. The 120 volt compressor system shall be designed to maintain the air pressure in the chassis brake system whenever the pressure drops below a predetermined level.

The battery charger shall be supplied from the 120 volt shore power receptacle and be a fully automatic high output charging system. The unit shall be mounted in a clean dry area and will be accessible for service and/or maintenance.

One (1) Display, Bar Graph, Sngl Battery Bank 091-199-001
50-16-1100

BATTERY CHARGER DISPLAY

A Kussmaul 091-199-001 single battery bank voltage display shall be supplied with the charger.

One (1) Shore Power Inlet, Officer Seat, Lower Left Front
50-20-1102

SHORE POWER PLUG

The shore power plug shall be located in the cab, lower left front corner of the officer's seat.

One (1) Shore Power Inlet, KUSS Super Auto-Eject 20A
50-20-1500 20

AUTO-EJECT

A Kussmaul "Super Auto-Eject" 20-amp automatic disconnect device shall be provided and installed on the 110-volt shoreline connection complete with weatherproof cover and matching plug. The Auto-Eject shall be activated by the chassis starter switch to disconnect the plug. The Super Auto-Eject shall be completely sealed to prevent contamination of the mechanism by inclement weather and road conditions. The Super Auto-Eject shall have an internal switch to open and close the AC circuit after the mating connector is inserted and before the connector is removed.

One (1) Air Horns, (2) Hood Mntd, 24.5" Chrome
50-42-2002

AIR HORNS

Two (2) chrome plated air horns shall be mounted on the side of the hood of the commercial chassis. An air protection valve shall be provided in the air horn piping that will not allow the chassis air brake system to drop below 90 PSI.

One (1) Air Horn Cntrl, Driver, Sgle Ft Swtch

50-43-2100

AIR HORN FOOT SWITCH

A foot switch shall be installed to activate the air horn system on the driver's side of the floor.

One (1) Air Horn Cntrl, Officer, Sgle Ft Swtch

50-43-2200

AIR HORN FOOT SWITCH

A foot switch shall be installed to activate the air horn system on the officer's side of the floor.

One (1) Lt, Pump Cmpt, 12 Volt LED With Swtch

51-05-6400

PUMP ENCLOSURE LIGHTS

One (1) LED work light shall be provided in the pump enclosure.

One (1) Switch on Light Head

51-05-9000

The control switch shall be mounted on the light head.

One (1) Back Up Alarm

52-01-1200

BACK-UP ALARM

An automatic electric back-up alarm shall be wired to the back-up light circuit, and mounted under the rear of the apparatus body.

One (1) Marker Lts, LED, DOT Requirements

53-01-1200

MARKER LIGHTS

LED marker lights shall be installed on the vehicle in conformance to the Department of Transportation requirements.

One (1) License Plate Brkt, SST w/ LED Lt, Rr,

53-02-1200

LICENSE PLATE BRACKET

A stainless steel license plate bracket shall be provided at the rear of the apparatus. The bracket shall have a LED light.

One (1) Ground Lts, Cab, 4 Door, LED, TecNiq (Four)

54-02-1620

CAB GROUND LIGHTS

Four (4) TecNiq E10 LED ground lights shall be installed on the chassis cab, one under each cab door.

One (1) Ground Lts, Pump Panel , LED, TecNiq Pair
54-03-1280

PUMP PANEL GROUND LIGHTS

Two (2) TecNiq LED #LED E10 ground lights shall be installed under the pump panel running boards. One (1) light shall be located on the driver's side and one (1) light located on the officer's side of the apparatus.

One (1) Ground Lts, Rear Step , LED, TecNiq Pair
54-03-1680

REAR STEP GROUND LIGHTS

Two (2) TecNiq LED #LED E10 ground lights shall be installed under the rear step. One (1) light shall be located on the driver's side and one (1) light located on the officer's side of the apparatus.

One (1) Lt Swtch , Ground Lts w/ Park Brake
54-04-1999

The ground lights shall automatically activate when the parking brake is applied.

One (1) Step Lt, Rr Tailboard, LED, Ea
54-10-1450

REAR TAILBOARD LIGHTS

One (1) LED step lights with clear lens shall be installed to illuminate the step surfaces at the rear of the apparatus body.

One (1) Lt Swtch , Step/Wlkwy Lts Wired Park Brake Swtch
54-11-2100

The step/walkway light switch shall be installed and wired to the parking brake.

One (1) Deck Lts, Code 3, LED, 2-Sptlts #CW2450, Black
54-12-1520

Two (2) 12 volt Code 3 Model CW2450 spotlights each with nine (9) LED's, shall be installed. The lights shall have an "on-off" switch, handle and swivel base.

Rear of hosebed

One (1) Deck Lt Swtch , Wired Park Brake Swtch
54-12-3010

A deck light switch shall be installed and wired to the parking brake.

One (1) Scene Light Package R Series FX Pumper
54-15-0050

SCENE LIGHT

One (1) Whelen M9 Series Model # M9LZC scene light(s) shall be provided. The steady burn scene light shall incorporate Linear Super-LED® and Smart LED® technology.

The M9LZC shall be furnished with a chrome trim ring, a rubber gasket, screws, and screw grommets for installation. The M9LZC shall have the ability to be installed as a surface mount scene light.
Voltage: +12v
Size: H=6.51", W=10.34", D=1.892"
Amp Draw: 6.0 Amps
Lens Color: Clear

Six (6) Scene Lt, Whelen, M9LZC LED, w/Chr trim ring
54-15-1292

SCENE LIGHT

Six (6) Whelen M9 Series Model # M9LZC scene light(s) shall be provided. The steady burn scene light shall incorporate Linear Super-LED® and Smart LED® technology.

The M9LZC shall be furnished with a chrome trim ring, a rubber gasket, screws, and screw grommets for installation. The M9LZC shall have the ability to be installed as a surface mount scene light.

Voltage: +12v
Size: H=6.51", W=10.34", D=1.892"
Amp Draw: 6.0 Amps
Lens Color: Clear

Two (2) Scene Lt Lctn, Left Side Of Bdy
54-15-5502

SCENE LIGHT LOCATION

Two (2) scene light shall be located on the left side of the apparatus body.

Two (2) Scene Lt Lctn, Right Side Of Bdy
54-15-5602

SCENE LIGHT LOCATION

Two (2) scene light shall be located on the right side of the apparatus body.

Two (2) Scene Lt Lctn, Rr Of Bdy
54-15-5700

SCENE LIGHT LOCATION

Two (2) scene light shall be located on the rear of the apparatus body.

One (1) Scene Lt Swtch , Left Scene Lts, Cab Switch Panel
54-15-6400

SCENE LIGHT SWITCHING

One (1) scene light switch with indicator shall be installed on the cab main switch panel to control the left side scene light(s). The switch shall be labeled "LEFT SCENE".

One (1) Scene Lt Swtch , Right Scene Lts, Cab Switch Panel
54-15-6500

SCENE LIGHT SWITCHING

One (1) scene light switch with indicator shall be installed on the cab main switch panel to control the right side scene light(s). The switch shall be labeled "RIGHT SCENE".

One (1) Scene Lt Swtch , Rr Scene Lts, Cab Switch Panel
54-15-6600

SCENE LIGHT SWITCHING

One (1) scene light switch with indicator shall be installed on the cab main switch panel to control the rear scene light(s). The switch shall be labeled "REAR SCENE".

One (1) Scene Lt Swtch , Rr Scene Lts, Auto w/ Reverse
54-15-6700

SCENE LIGHT SWITCHING

The rear scene lights shall activate automatically upon placing the transmission into reverse.

One (1) == R Series Pumper -Chassis Modifications - 4212.023 04/21/23 ==

One (1) Label, Data, Fluid Levels
10-02-1100

FLUID DATA PLAQUE

A fluid data plaque containing required information shall be provided based on the applicable components for this apparatus, compliant with NFPA Standards:

- Engine oil
- Engine coolant
- Chassis transmission fluid
- Drive axle lubricant
- Power steering fluid
- Pump transmission lubrication fluid
- Other NFPA applicable fluid levels or data as required

Location shall be in the driver's compartment or on driver's door.

One (1) Label, Data, Height x Length, Weight
10-02-1200

HEIGHT LENGTH & WEIGHT WARNING LABEL

A highly visible label indicating the overall height, length, and weight of the vehicle shall be installed in the cab dash area.

One (1) Label, Data, "No Ride" Rr Step
10-02-1300

NO RIDE LABEL

A "NO RIDERS" label shall be applied on the vehicle at the rear step area or other applicable areas. The label shall warn personnel that riding in or on these areas, while the vehicle is in motion is prohibited.

One (1) Label, Data, Tire Pressure
10-02-1400

TIRE PRESSURE LABEL

A label shall be placed in a visible area that indicates the front and rear tire pressure.

One (1) Label, Indicating Number of Seats
10-02-2100

CAB SEATING POSITION LIMITS

A label shall be installed in the cab to indicate seating positions for firefighters. A weight allowance of 250 pounds for each shall be factored into the gross vehicle weight rating of the chassis.

One (1) Label, "Caution: Do Not Wear Helmet While Seated"
10-02-2500

HELMET WARNING TAG

A label shall be installed in the cab, visible from each seating position. The label shall read "CAUTION: DO NOT WEAR HELMET WHILE SEATED." Helmets must be properly stowed while the vehicle is in motion according to the current edition of NFPA 1901.

One (1) Tow Plates (2), Rear Frame Rail, Under Step
10-03-6000

REAR TOWING PROVISIONS

There shall be two tow eyes furnished under the rear of the body and attached directly to the chassis frame rails. There shall be a reinforcement spreader bar connecting the two tow eyes. Tow eyes are to be constructed of 3/8" plate steel with a 4" I.D. hole, large enough for passing through a tow chain end hook.

One (1) Painting, Tow Plates, Blk
80-43-2400

The tow plates shall be painted black.

One (1) Bumper Extension, 18", By Body Builder
10-04-2150

BUMPER EXTENSION

The chassis frame shall be extended 18" with reinforced steel angle and structural channel by the body builder. The extension shall be designed to support the bumper and other equipment to be installed.

One (1) Bumper Gravelshield, 18", By Body Builder
10-04-2340

FRONT BUMPER GRAVELSHIELD

An 18" front to rear filler panel constructed from NFPA compliant, slip resistant aluminum tread plate shall be provided on the front chassis frame extension. The extension shall be covered on the top and sides, up to the level of front bumper and shall be reinforced to support one (1) firefighter (approximately 250 pounds) and the equipment specified to be installed.

One (1) Hosewell Compartment, Center Bumper
10-04-2719

FRONT BUMPER COMPARTMENT

A recessed fire hose compartment constructed from smooth aluminum shall be installed in the center of the front bumper extension. Water drain holes shall be provided in the bottom.

One (1) Aluminum T/P Door, Flat Style, Front Bumper Compartment
10-04-3150

BUMPER COMPARTMENT DOOR

One (1) aluminum tread plate door for the front bumper compartment shall be supplied. The flat door shall have a stainless steel hinge at the rear and a latch to secure the compartment.

One (1) Compartment LED Strip Light, (1) Each Compartment (approx 30")
08-00-0719

COMPARTMENT LIGHT

One (1) vertically mounted LED strip light shall be installed inside the compartment. The light shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat build up and be approximately 30" in length.

One (1) Compartment Light, Mounting Door Jamb
08-00-071A

MOUNTING

The compartment light shall be mounted in the door jamb to illuminate the compartment interior.

One (1) Cmpt Lt, Dr Swtch, Auto, Ea
55-06-1100

The compartment light will be controlled by an automatic "On-Off" switch located on each compartment door.

One (1) Wheel Trim, SST Hub/Lug Covers, Front/Rear, Single Axle
10-06-1110

HUB AND LUG NUT COVERS

The apparatus shall have chrome or stainless steel hub and lug nut covers on the front and single rear axles.

One (1) Tire Pressure Indicator, Single Axle, RWTG1235
10-06-1601

TIRE PRESSURE INDICATOR

There shall be a tire pressure indicator, p/n RWTG1235, at each tire's valve stem on the vehicle that shall indicate if there is insufficient pressure in the specific tire.

One (1) Mud Flaps, Rear Wheels, Black, w/ Body
10-08-2100

REAR MUD FLAPS

A pair of black mud flaps shall be installed behind the rear wheels.

One (1) Cab Step Enclosure, Freightliner, 4 Door Driver Side w/Compt
10-10-1570

CAB STEP ENCLOSURE

The driver side of the Freightliner 4-door chassis shall be equipped with a modular step/fuel tank enclosure constructed from slip resistant aluminum tread plate to conform with applicable NFPA standards. The entire step/enclosure is to be of a one piece design, bolted in place for ease of removal.

Heavy steel supports shall be provided to support the driver and passenger side cab entrance steps. Supports shall be attached directly to the chassis frame rails, and shall provide adequate support to the steps to minimize flex and distortion.

The overlay shall be provided with a storage compartment. A hinged door with latch shall be provided on the storage compartment.

One (1) Cab Step Enclosure, Freightliner, 4 Door Passenger Side w/Compt
10-10-1580

CAB STEP ENCLOSURE

The passenger side of the Freightliner 4-door chassis shall be equipped with a modular step/fuel tank enclosure constructed from slip resistant aluminum tread plate to conform with applicable NFPA standards. The entire step/enclosure is to be of a one piece design, bolted in place for ease of removal.

Heavy steel supports shall be provided to support the driver and passenger side cab entrance steps. Supports shall be attached directly to the chassis frame rails, and shall provide adequate support to the steps to minimize flex and distortion.

The overlay shall be provided with a storage compartment. A hinged door with latch shall be provided on the storage compartment.

One (1) == R Series FX Pump & Plumbing - 4212.023 04/21/23 ==

One (1) Pump, Waterous, CXVC20, 1 Stage, Midship
19-20-3000

WATEROUS CXVC20 SINGLE STAGE PUMP

A Waterous model CXVC20, single stage centrifugal pump shall be designed to mount on the chassis frame rails and shall be split-drive shaft driven. The pump casing shall be of high-tensile, close-grained ductile iron. Pump body shall be a single piece housing, for easy removal of impeller assembly including wear rings and bearings from beneath the pump without disturbing the mounting or piping.

IMPELLER

A matched bronze impeller specifically designed for the fire service will be provided. It will be accurately balanced both mechanically and hydraulically, for vibration-free operation. Stainless steel heat-treated and precisely ground to size. It shall be supported on both ends by oil or grease lubricated ball bearings.

Replaceable wear rings, bronze, reverse-flow, labyrinth-type shall be provided. Deep groove ball bearings shall be located outside the pump to give rugged support and proper alignment to the impeller shaft. The bearings shall be oil or grease lubricated. All bearings shall be completely separated from the water being pumped.

PUMP TRANSMISSION

The housing shall be constructed of high tensile aluminum and be of three (3) piece, horizontally split design. The transmission driveline shafts shall be made from alloy steel forging, hardened and ground to size. The drive and driven sprockets shall be made of steel and shall be carbonized and hardened.

The drive chain shall be Morse HV involute form chain. The lubrication system shall be an impeller shaft driven oil pump to deliver oil to an integral spray header, to completely pressure lubricate the drive chain.

PUMP MOUNTING

The pump shall be bolted to steel angles in pump module, using grade 8 bolts.

DRIVELINE

Hollow-tube drivelines and universals shall be properly matched to the engine and transmission output torque ratings.

All Pump Manufactures recommend that their Pumps are drained after every use and be stored dry. End user is responsible to follow this recommendation.

One (1) Pump Flow Rtng, Waterous, CXC22, 1500 GPM
20-23-2131

1500 GPM FIRE PUMP SPECIFICATIONS

The centrifugal type fire pump shall be a Waterous model CXC22 midship mounted with a rated capacity of 1500 GPM. The pump shall meet NFPA 1901 requirements.

The pump shall be certified to meet the following deliveries:

1500 GPM @ 150 PSI
1500 GPM @ 165 PSI
1050 GPM @ 200 PSI
750 GPM @ 250 PSI

All Pump Manufactures recommend that their Pumps are drained after every use and be stored dry. End user is responsible to follow this recommendation.

One (1) Intk, Ungated, 6", LH Side
22-03-1650

LEFT SIDE -- 6" UNGATED INTAKE

One (1) 6" ungated suction intake shall be installed on the left side pump panel to supply the fire pump from an external water supply. The threads shall be 6" NST. The intake shall be provided with a removable screen.

One (1) Cap, 6", Chrome Long Hndl
22-41-6000

A 6" chrome plated cap shall be provided. The threads shall be NST and the cap shall be equipped long handles.

One (1) Intk, Ungated, 6", RH Side
22-03-2650

RIGHT SIDE -- 6" UNGATED INTAKE

One (1) 6" ungated suction intake shall be installed on the right side pump panel to supply the fire pump from an external water supply. The intake shall be provided with a removable screen.

One (1) Cap, 6", Chrome Long Hndl
22-41-6000

A 6" chrome plated cap shall be provided. The threads shall be NST and the cap shall be equipped long handles.

One (1) Pump Seal, Mech, Waterous
20-26-2200

FIRE PUMP MECHANICAL SHAFT SEAL

The Waterous fire pump shall be equipped with self-adjusting, maintenance free, 'mechanical shaft seal' which is designed to be functional in the unlikely event of a seal failure.

One (1) Pump Impeller, Waterous, Flame Plated Hubs
20-26-2400

IMPELLER HUBS

The Waterous fire pump impeller hubs shall be "Flame Plated", impregnated with tungsten carbide to assure maximum pump life and efficiency despite the presence of abrasive particles, such as fine sand, in the water being pumped.

One (1) Pump Shift, Waterous, Elec/Pneumatic Operated
20-26-3200

ELECTRIC/PNEUMATIC PUMP SHIFT

The fire pump shift shall be air-operated incorporating an air cylinder with an electrically actuated pneumatic switch to shift from ROAD to PUMP and back. The fire pump shift control switch and valve shall be mounted in the cab.

The fire pump shift system shall be equipped with a means to prevent unintentional movement of the control device from its set position. The system shall include a nameplate indicating the chassis transmission shift selector position to be used for pumping and located so that it can be easily read from the driver's position.

The system shall include the applicable NFPA standard interlocks, pump shift and OK TO PUMP indicator lights in the cab and pump panel. The fire pump shift system shall be equipped with an interlock system to ensure that the pump drive system components are properly engaged in the pumping mode of operation so the pumping system can be safely operated from the pump operator's position.

If applicable, the secondary braking device shall be automatically disengaged for pumping operations.

One (1) Pressure Gvrnr, FRC, In-Cntrl, w/Bdy, TGA300
27-10-3400

PRESSURE GOVERNOR AND ENGINE-PUMP MONITORING

A Fire Research InControl series TGA300 pressure governor and monitoring display kit shall be installed. The kit shall include a control module, intake pressure sensor, discharge pressure sensor, and cables. The control module case shall be waterproof and have dimensions not to exceed 5 1/2" high by 10 1/2" wide by 2" deep. Inputs for monitored information shall be from a J1939 databus or independent sensors. Outputs for engine control shall be on the J1939 databus or engine specific wiring.

The following continuous displays shall be provided:

- Pump discharge; shown with four daylight bright LED digits more than 1/2" high
- Pump Intake; shown with four daylight bright LED digits more than 1/2" high
- Pressure / RPM setting; shown on a dot matrix message display
- Pressure and RPM operating mode LEDs
- Throttle ready LED
- Engine RPM; shown with four daylight bright LED digits more than 1/2" high
- Check engine and stop engine warning LEDs
- Oil pressure; shown on a dual color (green/red) LED bar graph display
- Engine coolant temperature; shown on a dual color (green/red) LED bar graph display
- Transmission Temperature: shown on a dual color (green/red) LED bar graph display
- Battery voltage; shown on a dual color (green/red) LED bar graph display.

The dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Battery Voltage
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Transmission Temperature
- Low Engine Oil Pressure
- High Engine Coolant Temperature
- Out of Water (visual alarm only)
- No Engine Response (visual alarm only).

The program features shall be accessed via push buttons located on the front of the control panel. There shall be an USB port located at the rear of the control module to upload future firmware enhancements.

Inputs to the control panel from the pump discharge and intake pressure sensors shall be electrical. The discharge pressure display shall show pressures from 0 to 600 psi. The intake pressure display shall show pressures from -30 in. Hg to 600 psi.

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure governor, monitoring and master pressure display shall be programmed to interface with a specific engine.

One (1) Primer, Trident Air Primer, Automatic
20-29-1200

TRIDENT PRIMER – AUTOMATIC

An automatic fire pump priming system shall be provided and installed. The system shall be oil-less type and environmentally safe. Once engaged, the system shall be fully automatic and not require any action from the pump operator/engineer when pump draft is lost. This feature provides an additional safety margin by maintaining pump flow from the available water source automatically during drafting operations. When air is introduced during a drafting operation from conditions such as whirlpools or turbulence from porta-tank refill operations, the priming system shall automatically engage to remove the air and stabilize water flow and pump pressure. For additional safety, the entire system shall operate at less than 70dBA of ambient noise.

The priming system shall engage automatically whenever the pump discharge falls below five (5) psi and shall remain engaged until a pump prime has been achieved. The priming system shall automatically disengage when a positive pump discharge pressure has been established. The electrical current draw from the chassis batteries shall not exceed four (4) amps at any given time of operation and allow for unlimited run time without causing an overheat condition for of any of the system components.

A single engagement switch shall be provided on the pump control panel that will allow the operator to engage the automatic pump priming system. There shall be a light provided on the pump control panel to indicate when the system is engaged. The pump shall be capable of taking suction and discharging water with a lift of 10 feet in not more than 30 seconds with the pump dry, through 20 feet of suction hose of appropriate size. The priming system shall comply with applicable sections of NFPA standards.

One (1) Primer Control - Main Pump Rocker Switch
20-29-1250

PRIMER CONTROL

A rocker switch control shall be provided on the pump operator's panel, for the main pump primer control.

One (1) Pump Install, Midship Split Shaft, By Bdy Bldr
20-30-5100

FIRE PUMP SPLIT SHAFT DRIVESHAFTS AND INSTALLATION

The mid-ship split shaft fire pump shall be installed and shall include installation of the fire pump, modification and/or fabrication of new drivelines and all pump-mounting brackets. The drive shaft(s) shall be spin balanced prior to final installation.

One (1) Screens/Anodes, Pump
21-00-2000

PUMP ANODES

There shall be sacrificial, zinc anodes in the pump steamer ports which shall protect the pump and piping from electrolysis. These anodes shall also act as screens.

One (1) Piping, SST - 1250 GPM & Up
21-00-3300

PUMP PLUMBING SYSTEM

The fire pump plumbing system shall be of rigid stainless steel pipe or flexible piping with stainless steel fittings. Mechanical grooved couplings shall be installed to permit flexing of the plumbing system and allow for quick removal of piping or valves for service. Flexible hose couplings shall be threaded stainless steel or mechanical grooved coupling connections.

The fire pump and plumbing shall be hydrostatically tested in compliance to applicable sections of NFPA standards. The test results shall be included in the delivery documentation.

One (1) Pump Drain, Master, Manifold, Push Pull Type
21-01-0200

FIRE PUMP MASTER DRAIN

The fire pump plumbing system and fire pump shall be piped to a single push-pull type master pump drain assembly.

ADDITIONAL LOW POINT DRAINS

The plumbing system shall be equipped with additional low point manually operated drain valves to allow total draining of the fire pump plumbing system. These valves shall be accessible from the side of the vehicle and labeled.

One (1) Intk Manifold, SST
21-01-5500

STAINLESS STEEL INTAKE MANIFOLD

The suction manifold assembly shall be fabricated with Schedule #10 type 304 stainless steel. All threaded fittings shall be a minimum of Schedule 10 stainless steel. The suction manifold assembly shall have radiused sweep elbows to minimize water turbulence into the suction volute. The suction manifold shall be welded and pressure tested prior to installation. The stainless steel manifold assembly shall be attached to the pump intake volute with a heavy-duty, flexible Victaulic coupling.

The stainless steel manifold assembly shall have a ten (10) year warranty.

One (1) Dschg Manifold, SST
21-01-6500

STAINLESS STEEL DISCHARGE MANIFOLD

The discharge manifold assembly shall be fabricated with minimum of Schedule #10 Type 304 stainless steel. All threaded fittings shall be a minimum of Schedule #40 stainless steel. The discharge manifold assembly shall have radiused sweep elbows to minimize water turbulence. The manifold shall be welded and pressure tested prior to installation. The stainless steel manifold inlet shall be attached to the pump discharge and have additional brackets as required to support the discharge manifold, valves and related components.

The stainless steel manifold assembly shall have a ten (10) year warranty.

One (1) Painting, Pump & Piping, Silver
21-01-7100

FIRE PUMP & PLUMBING SYSTEM PAINTING

The fire pump and plumbing system shall be painted by the fire apparatus manufacturer. The fire pump and the plumbing shall be painted metallic silver.

One (1) Threads, National Hose (NST)
21-01-8100

HOSE THREADS

The hose threads shall be National Standard Thread (NST) on all base threads on the apparatus intakes and discharges.

One (1) Tank-To-Pump, Water Tank, 3" Vlv/4" Piping, Midship, Pmpr/Tnkr
22-51-5210

WATER TANK TO PUMP LINE

A 3" water tank to the rear mounted fire pump line shall be provided with a full flow quarter turn ball valve, 4" piping, and with flex hose and stainless steel hose clamps. The tank to pump line shall be equipped with a check valve to prevent pressurization of the water tank.

The line shall be flow tested during the fire pump testing and shall meet applicable requirements of NFPA standards.

One (1) Single Tank to Pump Control - Pump Operator's Panel
22-50-0100

The tank to pump valve shall be controlled at the pump operator's panel.

One (1) Vlv Mfger, AKR, 8000, (3")
24-62-1300

The valve shall be an Akron 8000 Series three-inch (3") valve with a stainless ball.

One (1) Intk Vlv Cntrl, Pull Rod, 1/4 Turn, AKR - IC
22-55-4012

An Akron valve equipped with a manually operated pull rod, with quarter-turn locking feature shall be provided on the intake. The handle shall be equipped with a color-coded name plate.

One (1) Tank Fill/Cooling Line, Water Tank, 2"
23-02-1300

FIRE PUMP TO WATER TANK FILL LINE

A 2" fire pump to water tank refill and pump bypass cooler line shall be provided. The valve shall be a full flow quarter turn ball valve with 2" piping and flex hose to tank. The valve control handle shall have a nameplate located near the valve control.

One (1) Vlv Mfger, AKR, 8000, (2")
24-62-1200

The valve shall be an Akron 8000 Series two-inch (2") valve with a stainless ball.

One (1) Intk Vlv Cntrl, Pull Rod, 1/4 Turn, AKR - IC
22-55-4012

An Akron valve equipped with a manually operated pull rod, with quarter-turn locking feature shall be provided on the intake. The handle shall be equipped with a color-coded name plate.

One (1) Dump-Relief Vlv, Suction Side, TFT A18
20-31-3600

INTAKE RELIEF/DUMP VALVE

A TFT A18 series, 2-1/2" intake relief/dump valve preset at 125 psi shall be permanently installed on the suction side of the fire pump. The valve shall have an adjustment range of 75 psi to 250 psi, and shall be designed to automatically self-restore to a non-relieving position when excessive pressure is no longer present.

Discharge side of the intake relief valve shall be plumbed away from the pump operator.

One (1) Pump Cooler, Bypass-To-Tank, 3/8"
20-31-4100

FIRE PUMP COOLING

The fire pump shall be equipped with 3/8" cooling line from the pump to the water tank. This re-circulation line shall be controlled by a pump panel control valve with nameplate label noting it as the "fire pump bypass cooler". There shall be a check valve installed in the pump cooler line to prevent tank water from back flowing into the pump when it is not in use.

One (1) Heat Exchanger, Engine, Hook-Up Only
20-31-5100

CHASSIS ENGINE HEAT EXCHANGER COOLING SYSTEM

The apparatus shall be equipped with a heat exchanger for supplementary chassis engine cooling during fire pump operations. A manually opened valve, mounted at the operator's panel, shall direct water from the fire pump to the heat exchanger that is mounted in the engine radiator cooling hose. The system shall provide cooling water from the fire pump to circulate around the engine radiator coolant without mixing or coming in direct contact with the engine coolant.

A nameplate label shall be installed on the pump panel noting "engine cooling system" with "on-off" opening directions noted.

One (1) Pump Test, Pumper, UL
20-31-1100

UNDERWRITERS LABORATORIES FIRE PUMP TEST

The pump shall undergo an Underwriters Laboratories Incorporated test per applicable sections of NFPA standards, prior to delivery of the completed apparatus.

The UL acceptance certificate shall be furnished with the apparatus on delivery.

One (1) Pump Test, Label
20-31-1500

FIRE PUMP TEST LABEL

A fire pump performance and rating label shall be installed on the fire apparatus pump panel. The label shall denote levels of pump performance and testing completed at factory. These shall include GPM at net pump pressure, RPM at such level, and other pertinent data as required by applicable NFPA standards. In addition, the pressure control device, tank to pump flow tests, and other required testing shall be completed.

In addition, the entire pump, suction and discharge passages shall be hydrostatically tested to a pressure as required by applicable NFPA standards. The pump shall be fully tested at the pump manufacturer's factory to the performance specifications as outlined by applicable NFPA standards. Pump shall be free from objectionable pulsation and vibration.

If applicable, the fire pump shall be tested and rated as follows:

- 100% of rated capacity at 150 pounds net pressure.
- 70% of rated capacity at 200 pounds net pressure.
- 50% of rated capacity at 250 pounds net pressure.
- 100% or rated capacity at 165 pounds net pressure.

One (1) Intk, Aux, Gtd, 2-1/2", NST, Left Side
22-12-1104

LEFT SIDE -- 2-1/2" GATED INTAKE

One (1) 2-1/2" gated suction intake shall be installed on left side pump panel to supply the fire pump from an external water supply. The control valve shall be a quarter turn ball valve and shall have 2-1/2" NST female thread of chrome plated brass.

The intake shall be equipped with a ¾" drain and bleeder valve. A nameplate label and removable screen shall be installed.

One (1) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
21-01-2502

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift to open and push down to close.

One (1) Plug, 2-1/2", Chrome Rocker Lug, w/Chain
22-41-1100

A 2-1/2" chrome plated plug shall be provided. The threads shall be NST and the plug shall be equipped rocker lugs and chain or cable securement.

One (1) Vlv Mfger, AKR, 8000, (2-1/2")
24-62-1254

The valve shall be an Akron 8000 Series two and one half-inch (2-1/2") valve with a stainless ball.

One (1) Intk Vlv Cntrl, AKR, Mnl Swing Type-Adjacent
22-55-4050

The valve shall be equipped with a manually operated, swing-type manual control located adjacent the intake. The valve shall be equipped with a color-coded name plate.

One (1) Dschg, 1-1/2", Front Center Bumper, Swivel, NST Chrome Swivel
23-05-2202

1-1/2" DISCHARGE FRONT CENTER BUMPER, Chrome

A 1-1/2" discharge shall be installed at front center bumper area with chrome swivel outlet with 1-1/2" NST male threads. The valve control shall be on pump panel and a nameplate label provided at valve control area.

The plumbing shall be flexible hose with abrasion resistant support mountings.

One (1) Drain/Bleeder, Class 1, Automatic
21-01-2200

A Class 1 automatic type 3/4" bleeder valve shall be installed.

One (1) Hose Connection, Abv Frnt Bmpr, Swivel
23-05-9200

The hose connection for the front discharge shall be a swivel type located above the front bumper deck level.

One (1) Vlv Mfger, AKR, 8000, (2")
24-61-1200

The specified valve shall be an Akron 8000 Series two-inch (2") valve with a stainless ball.

One (1) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge
24-53-0020

For valve actuation, the specified discharge shall be equipped with a side mount valve control. The ergonomically designed 1/4 turn push-pull T-handle shall be chrome plated zinc with recessed labels for color coding and signage. The gear-control rod, double laminated locking clips, and rod housing shall be stainless steel and provide true positive lock that will eliminate valve drift. Bronze and Teflon impregnated stainless steel bushings in both ends of rod housing shall eliminate rod deflection, never need lubrication and ensure consistent long-term operation.

The control assembly shall include a decorative chrome-plated zinc panel mounted bezel with recessed color-coded label.

One (1) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
27-02-1500

One (1) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Crosslay Dschgs, (2) 1-1/2", Over Pump Panel, NST 200 ft x1-3/4-in ea w/divider
23-06-2202

TWO (2) 1-1/2" CROSSLAY DISCHARGES

Two (2) pre-connect 1-3/4" hose crosslays shall be installed over pump enclosure, with quarter turn 2" diameter ball valves. The outlets shall be a 2" NPT female swivel x 1-1/2" male NST hose threads.

The crosslay hosebeds shall have smooth aluminum sides. The hosebed decking shall be constructed with slots integrated into the hosebed floor.

Each hosebed shall provide for a minimum capacity of 200 feet of 1-3/4" diameter double jacket hose with nozzle, for hose provided by the fire department. A divider shall be installed to separate the crosslay beds.

Two (2) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only

21-01-2502

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift to open and push down to close.

Two (2) Vlv Mfger, AKR, 8000, (2")

24-61-1204

The specified valve shall be an Akron 8000 Series two-inch (2") valve with a stainless ball.

Two (2) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge

24-53-0020

For valve actuation, the specified discharge shall be equipped with a side mount valve control. The ergonomically designed 1/4 turn push-pull T-handle shall be chrome plated zinc with recessed labels for color coding and signage. The gear-control rod, double laminated locking clips, and rod housing shall be stainless steel and provide true positive lock that will eliminate valve drift. Bronze and Teflon impregnated stainless steel bushings in both ends of rod housing shall eliminate rod deflection, never need lubrication and ensure consistent long-term operation.

The control assembly shall include a decorative chrome-plated zinc panel mounted bezel with recessed color-coded label.

Two (2) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF

27-02-1500

Two (2) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Crosslay Cvr, Alum T/P, Sngl, W/Vinyl End Flaps (Non NFPA Walking Surface)

23-08-3300

CROSSLAY HINGED COVER WITH END FLAPS

The crosslay hosebed shall be equipped with a single aluminum diamond plate hinged cover with vinyl end flaps with hook & loop fasteners. The cover shall have rubber bumpers, latching devices, and lift up handle on each end of the cover.

The hosebed cover shall be labeled, "Not a Standing or Walking Surface", per NFPA.

One (1) Vinyl Cover, Color, RED

29-20-5600

The vinyl cover shall be red in color.

One (1) Crosslay Trim, Alum Angles, Both Sides

23-08-4130

CROSSLAY HOSE BED TRIM

The crosslay hosebed shall be equipped anodized aluminum angle overlays, one on each end of the hosebed.

One (1) Crosslay Dschgs, Over Pump Panel, Normal Height
23-08-5019

CROSSLAY HOSEBEDS

Crosslay hosebed(s) shall be mounted over the upper pump panel or gauge panel in the upper portion of the pump enclosure. The crosslay hosebed shall be approximately 12" from the top of the pump enclosure.

Two (2) Dschg, 2-1/2", Left Side, Pump Panel, NST
23-09-4102

LEFT SIDE PUMP PANEL -- 2-1/2" DISCHARGE

Two (2) 2-1/2" discharge shall be installed on the left side pump panel area and shall be controlled by a quarter turn ball valve. The discharge shall have 2-1/2" NST male hose threads. A color coded nameplate label shall be provided adjacent the control handle.

Two (2) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
21-01-2502

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift to open and push down to close.

Two (2) Elbow, 2-1/2"F x 2-1/2" NST M, Chrome
24-02-1200

Two (2) chrome plated elbow with rocker lugs shall be provided with 2-1/2" NST swivel female x 2-1/2" NST male hose threads.

Two (2) Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain
24-03-1400

Two (2) 2-1/2" NST rocker lug chrome plated vented cap and cable or chain securement shall be provided.

Two (2) Vlv Mfger, AKR, 8000, (2-1/2")
24-61-1254

The specified valve shall be an Akron 8000 Series two and one half-inch (2-1/2") valve with a stainless ball.

Two (2) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge
24-53-0020

For valve actuation, the specified discharge shall be equipped with a side mount valve control. The ergonomically designed 1/4 turn push-pull T-handle shall be chrome plated zinc with recessed labels for color coding and signage. The gear-control rod, double laminated locking clips, and rod housing shall be stainless steel and provide true positive lock that will eliminate

valve drift. Bronze and Teflon impregnated stainless steel bushings in both ends of rod housing shall eliminate rod deflection, never need lubrication and ensure consistent long-term operation.

The control assembly shall include a decorative chrome-plated zinc panel mounted bezel with recessed color-coded label.

Two (2) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
27-02-1500

Two (2) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Dschg, 2-1/2", Right Side, Pump Panel, NST
23-10-4102

RIGHT SIDE PUMP PANEL -- 2-1/2" DISCHARGE

One (1) 2-1/2" discharge shall be installed on the right side pump panel area and shall be controlled by a quarter turn ball valve. The discharge shall have 2-1/2" NST male hose threads. A color coded nameplate label shall be provided adjacent the control handle.

One (1) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
21-01-2502

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift to open and push down to close.

One (1) Elbow, 2-1/2"F x 2-1/2" NST M, Chrome
24-02-1200

One (1) chrome plated elbow with rocker lugs shall be provided with 2-1/2" NST swivel female x 2-1/2" NST male hose threads.

One (1) Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain
24-03-1400

One (1) 2-1/2" NST rocker lug chrome plated vented cap and cable or chain securement shall be provided.

One (1) Vlv Mfger, AKR, 8000, (2-1/2")
24-61-1254

The specified valve shall be an Akron 8000 Series two and one half-inch (2-1/2") valve with a stainless ball.

One (1) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge
24-53-0020

For valve actuation, the specified discharge shall be equipped with a side mount valve control. The ergonomically designed 1/4 turn push-pull T-handle shall be chrome plated zinc with recessed labels for color coding and signage. The gear-control rod, double laminated locking clips, and rod housing shall be stainless steel and provide true positive lock that will eliminate

valve drift. Bronze and Teflon impregnated stainless steel bushings in both ends of rod housing shall eliminate rod deflection, never need lubrication and ensure consistent long-term operation.

The control assembly shall include a decorative chrome-plated zinc panel mounted bezel with recessed color-coded label.

One (1) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
27-02-1500

One (1) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Dschg, 3" x 4"NST, Right Side, Pump Panel, NST
23-10-5202

RIGHT SIDE PUMP PANEL -- 3" x 4" DISCHARGE

One (1) 3" discharge shall be installed on the right side pump panel area and shall be controlled by a full flow 3" slow-close quarter turn ball valve. The discharge shall have 4" NST male hose threads. A color coded nameplate label shall be provided adjacent the control handle.

One (1) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
21-01-2502

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift to open and push down to close.

One (1) Elbow, LW Alum, 5" Storz x 4"F
24-02-2600

One (1) lightweight aluminum elbow with 30 degree slant shall be provided. Threads shall be 5" Storz with lugs and manual locks x 4" female swivel NST with rocker lugs.

One (1) Cap, LW Alum, 5" Storz, w/Cable
24-03-2200

One (1) 5" lightweight aluminum Storz cap with cable or chain securement shall be provided.

One (1) Vlv Mfger, AKR, 8000, (3")
24-61-1304

The specified valve shall be an Akron 8000 Series three-inch (3") valve with a stainless ball.

One (1) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR Slow Close - IC w/Gauge
24-53-0300

One (1) Akron valve equipped with a manually operated pull rod, with quarter-turn locking feature and a manual slow-close device shall be provided on the specified discharge. The handle shall be equipped with color-coded name plate.

One (1) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF
27-02-1500

One (1) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Dschg, 2-1/2", Right Rr, NST
23-13-3202

REAR RIGHT SIDE -- 2-1/2" DISCHARGE

One (1) 2-1/2" discharge shall be installed on the right side rear panel of the apparatus body and shall be controlled by a quarter turn ball valve on the pump panel. The discharge shall have 2-1/2" NPT x 2-1/2" NST male hose threads. The outlet shall be equipped with an engraved nameplate label shall be installed adjacent the valve control handle.

One (1) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn - Spec Only
21-01-2502

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift to open and push down to close.

One (1) Elbow, 2-1/2"F x 2-1/2" NST M, Chrome
24-02-1200

One (1) chrome plated elbow with rocker lugs shall be provided with 2-1/2" NST swivel female x 2-1/2" NST male hose threads.

One (1) Cap, 2-1/2", NST Chrome, Rocker Lug, w/Chain
24-03-1400

One (1) 2-1/2" NST rocker lug chrome plated vented cap and cable or chain securement shall be provided.

One (1) Vlv Mfger, AKR, 8000, (2-1/2")
24-61-1254

The specified valve shall be an Akron 8000 Series two and one half-inch (2-1/2") valve with a stainless ball.

One (1) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR - IC w/Gauge
24-53-0020

For valve actuation, the specified discharge shall be equipped with a side mount valve control. The ergonomically designed 1/4 turn push-pull T-handle shall be chrome plated zinc with recessed labels for color coding and signage. The gear-control rod, double laminated locking clips, and rod housing shall be stainless steel and provide true positive lock that will eliminate valve drift. Bronze and Teflon impregnated stainless steel bushings in both ends of rod housing shall eliminate rod deflection, never need lubrication and ensure consistent long-term operation.

The control assembly shall include a decorative chrome-plated zinc panel mounted bezel with recessed color-coded label.

One (1) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF

27-02-1500

One (1) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Monitor Dschg, 3", Over Midship Pump Enclsr , NPT

24-11-6300

3" MONITOR DISCHARGE

One (1) 3" discharge shall be piped to the area over the pump enclosure with 3" NPT male threads provided. The pipe shall be equipped with Victaulic couplings (if necessary) and shall be properly secured to prevent movement when a monitor or deck gun is attached. The quarter turn ball valve shall be controlled on pump panel.

A color coded nameplate label shall be provided adjacent the valve control handle.

One (1) Drain/Bleeder, IC Lift-Up, Mnl 1/4 Turn

21-01-2500

An Innovative Controls ¾" cast bronze quarter-turn drain/bleeder valve shall be installed. The valve shall be complete with a chrome plated bronze ball, reinforced teflon seals, and blow-out proof stem rated to 600 PSI. A chrome plated zinc handle shall be provided on each drain valve complete with a recessed ID label provision. The handle shall lift, to open and push down, to close.

One (1) Vlv Mfger, AKR, 8000, (3")

24-61-1304

The specified valve shall be an Akron 8000 Series three-inch (3") valve with a stainless ball.

One (1) Dschg Vlv Cntrl, Pull Rod, 1/4 Turn, SM, AKR Slow Close - IC w/Gauge

24-53-0300

One (1) Akron valve equipped with a manually operated pull rod, with quarter-turn locking feature and a manual slow-close device shall be provided on the specified discharge. The handle shall be equipped with color-coded name plate.

One (1) Gauge, Dschg, IC, 2-1/2" (0-400 PSI), WF

27-02-1500

One (1) 2-1/2" IC discharge pressure gauges (0-400 PSI) shall be provided. The face of the gauge shall be a WHITE dial with black letters. The gauges will be located on the pump instrument panel.

One (1) Foam System Provisions, Future Installation, Dept or Dealer Installed

25-01-0010

FOAM SYSTEM PROVISIONS

Provisions shall be provided for the future installation of a department/dealer supplied foam system.

Crosslays, and front bumper

One (1) Foam Plmbg, Sngl Class A Tank, 1" Mnl Vlv
25-20-1200

1" FOAM TANK CONTROL -- CLASS A

A Class A foam tank shall be plumbed with 1" valve and corrosion resistant hose from the foam tank to the foam inlet of the foam system. The manually opened valve shall be provided behind the pump panel with a label.

One (1) Foam Tank, Intgrl Poly, 20 Gal, Class A
25-21-1300

INTEGRAL CLASS A FOAM TANK -- 20 GALLON

A twenty (20) gallon Class A foam tank shall be installed within the water tank. The non-corrosive foam tank shall meet applicable sections of NFPA standards. The foam concentrate tank shall be provided with sufficient wash partitions so that the maximum dimension perpendicular to the plane of any partition shall not exceed 36 inches. The swash partition(s) shall extend from wall to wall and cover at least 75 percent of the area of the plane of the partition.

The foam concentrate tank shall be provided with a fill tower or expansion compartment having a minimum area of 12 square inches and having a volume of not less than 2 percent of the total tank volume. The fill tower opening shall be protected by a completely sealed air-tight cover. The cover shall be attached to the fill tower by mechanical means. The fill opening shall be designed to incorporate a 1/4 inch removable screen and shall be located so that foam concentrate from a five (5) gallon container can be dumped directly to the bottom of the tank to minimize aeration without the use of funnels or other special devices.

The foam tank fill tower shall be equipped with a pressure/vacuum vent that enables the tank to compensate for changes in pressure or vacuum when filling or withdrawing foam concentrate from the tank. The pressure/vacuum vent shall not allow atmospheric air to enter the foam tank except during operation or to compensate for thermal fluctuations. The vent shall be protected to prevent foam concentrate from escaping or directly contacting the vent at any time. The vent shall be of sufficient size to prevent tank damage during filling or foam withdrawal.

A color coded label or visible permanent marking that reads "FOAM TANK FILL" shall be placed at or near any foam concentrate tank fills opening. A label shall be placed at or near any foam concentrate tank fill opening that specifies the type of foam concentrate the system is designed to use. Any restrictions on the types of foam concentrate that can be used with the system shall also be stated, and a warning message that reads "WARNING: DO NOT MIX BRANDS AND TYPES OF FOAM."

The foam concentrate tank outlet connection shall be designed and located to prevent aeration of the foam concentrate and shall allow withdrawal of 80 percent of the foam concentrate tank storage capacity under all operating conditions with the vehicle level.

One (1) Foam Tank Drain, 1" Gate Vlv, Under Tank
25-23-1000

FOAM TANK DRAIN -- UNDER TANK

The foam tank shall have a 1" gate valve drain provision installed.

One (1) Foam Tank Gauge, FRC TankVision Pro 300, Class A, Pump Panel #WLA360-A00
27-36-1100

CLASS A FOAM TANK GAUGE

A Fire Research TankVision Pro model WLA360-A00 foam tank indicator kit shall be installed at the operator's panel. The kit shall include an electronic indicator module, a pressure sensor, a 10-ft sensor cable and a tank vent. The indicator shall show the volume of Class A foam concentrate in the tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs shall provide for a viewing angle of 180 degrees. The indicator case shall be waterproof, manufactured of Polycarbonate/Nylon, and have a distinctive green label.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a datalink to connect remote indicators. Low foam warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty, and an output for an audio alarm.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the foam tank near the bottom. No probe shall be placed on the interior of the tank. Wiring shall be weather resistant and have automotive type plug-in connectors. The foam tank vent shall be installed on the foam fill tower.

One (1) == R Series Pumper-Side Mount Pump Compt - 4212.023 04/21/23 ==

One (1) Pump Enc, Side Mt, Extrd Alum, 40-49"W
26-02-1200

SIDE MOUNT PUMP ENCLOSURE

The side mount pump enclosure shall be removable and supported from the chassis frame rails. This enclosure will allow independent flexing of the pump enclosure from the body and allow for quick removal. The support structure shall be constructed of extruded aluminum tubing and angle.

All pump suction and discharge controls are to be mounted on the driver side pump operator's panel so as to permit operation of the pump from a central location. The fire pump, valves and controls shall be accessible for service and maintenance as required by applicable sections of NFPA standards.

The "master" gauges shall be suitably enclosed and mounted on a full pump compartment width "hinged" gauge panel constructed of the same material as the pump operators control panel, allowing access to the backside of all gauges and gauge lines. The individual gauges shall be mounted inline with the control handle or adjacent to the control handle. Panel is to include a stainless steel piano hinge, flush mounted chrome plated trigger latch, and stainless steel cable end stops. Electrical wiring and all gauge lines shall be properly tie wrapped to prevent kinking or cutting of the lines when the panel is opened.

The following controls and equipment as specified in the specifications, shall be provided on the pump panel or within the pump enclosure:

- Primer.
- Pump and plumbing area service lights.
- Pressure control device and throttle control.
- Fire pump and engine instruments.
- Pump intakes and discharge controls.
- Master intake and discharge gauges.
- Tank fill control.
- Tank suction control.
- Water tank level gauge.
- Pump panel lights

One (1) Pump Enc Cmpt, SM, Dnnge Over Pump, Open
26-10-2110

OPEN DUNNAGE COMPARTMENT -- OVER PUMP ENCLOSURE

An open compartment shall be located on the top of the pump module. The compartment will be constructed as large as space permits with removable slip resistance floor material or decking in the base of the compartment.

One (1) Rng Brd, LH Pump Panel, Alum T/P, SM
26-30-1100

LEFT SIDE RUNNING BOARD -- SIDE MOUNT PANEL

The left side mount pump panel shall be equipped with side running board. The running board will extend along the width of the pump enclosure from the forward end of the body module to behind the chassis cab.

The running board shall be constructed of aluminum tread plate, bolted in place with stainless steel fasteners. The step surfaces shall be in compliance with applicable sections of NFPA requirements.

One (1) Rng Brd, RH Pump Panel, Alum T/P, SM
26-30-1150

RIGHT SIDE RUNNING BOARD -- SIDE MOUNT PANEL

The right side mount pump panel shall be equipped with side running board. The running board will extend along the width of the pump enclosure from the forward end of the body module to behind the chassis cab.

The running board shall be constructed of aluminum tread plate, bolted in place with stainless steel fasteners. The step surfaces shall be in compliance with applicable sections of NFPA requirements.

One (1) Pump Side Access Door, Upper LH, Line-X
26-31-3300

PUMP ENCLOSURE ACCESS DOOR -- LEFT SIDE UPPER

A pump panel access door shall be provided on the upper left side of the side mount pump enclosure. The access door shall be approximately 18" high and as wide as possible. The door shall be constructed aluminum coated with black Line-X with push button type latches.

One (1) Pump Panel, Line X, LH/RH, SM
26-35-5100

PUMP PANEL -- SIDE MOUNT

The pump operator's panel, along with the lower left hand and right hand pump panels shall be constructed of Line-X aluminum material and be fastened to the pump enclosure with 1/4" stainless steel bolts.

The instrument area shall have a stainless steel continuous hinge that shall swing for easy access to gauges.

One (1) Pump Panel, Bltd, LH
26-35-1100

LEFT SIDE PUMP PANEL -- BOLTED

The pump panel installed on the left hand side of the pump enclosure shall be fastened to the pump enclosure with 1/4" stainless steel bolts.

One (1) Pump Panel, Hngd, RH
26-35-1400

HINGED PUMP PANEL -- RIGHT SIDE

The pump panel installed on the on the right hand side of the pump enclosure shall be hinged with push-button latches.

One (1) Labels, Test Data and Safety Placards
26-55-1100

LABELS

Safety, information, data, and instruction labels for apparatus shall be provided and installed at the operator's instrument panel.

The labels shall include rated capacities, pressure ratings, and engine speeds as determined by the certification tests. The no-load governed speed of the engine, as stated by the engine manufacturer, shall also be included.

The labels shall be provided with all information and be attached to the apparatus prior to delivery.

One (1) Labels, Color Coded
26-55-2050

COLOR CODED PUMP PANEL LABELING AND NAMEPLATES

Discharge and intake valve controls shall be color coded in compliance to guidelines of applicable sections of NFPA standards.

Permanent type nameplates and instruction panels shall be installed on the pump panel for safe operation of the pumping equipment and controls.

One (1) Pump Panel LED Lts, (3) Tecniq E10-W0001-1, Midship LH w/ Sw on Pmp Oprtr's Pnl
26-56-1125

MIDSHIP PUMP PANEL LIGHTS -- LEFT SIDE

Three (3) Techiq E10-W0001-1 or equal LED lights with clear lenses shall be installed under an instrument panel light hood on the left side pump panel. The lights shall be controlled by a switch located on the operator's instrument panel.

One (1) Pump Panel LED Lts (2), Midship RH, Tecniq E10-W0001-1
26-56-1225

MIDSHIP PUMP PANEL LIGHTS -- RIGHT SIDE

Two (2) Tecniq E10-W0001-1 or equal LED lights with clear lenses shall be installed under an instrument panel light hood on the right side pump panel. The lights shall be controlled by a switch located on the operator's instrument panel.

One (1) Pump Panel Lt (1), Actuated w/Pump Engagement
26-56-2000

PUMP ENGAGED LIGHT

One (1) pump panel light shall be illuminated at the time the fire pump is engaged into operation. The remaining lights shall be controlled by a switch located on the operator's instrument panel.

One (1) Gauge, Test Taps
27-01-4100

TEST TAPS

Test taps for pump intake and pump pressure shall be provided on the pump instrument panel and be properly labeled.

One (1) Water Tank Gauge, FRC, TankVision Pro 300, Pump Panel WLA300-A00
27-35-1100

WATER TANK GAUGE

A Fire Research TankVision Pro model WLA300-A00 tank indicator kit shall be installed on the pump panel. The kit shall include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The indicator shall show the volume of water in the tank on nine (9) easy to see super bright RGB LEDs. A wide view lens over the LEDs shall provide for a viewing angle of 180 degrees. The indicator case shall be waterproof, manufactured of Polycarbonate/Nylon material, and have a distinctive blue label.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, six (6) programmable colored light patterns to display tank volume, adjustable brightness control levels and a datalink to connect remote indicators. Low water warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty, and an output for an audio alarm.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the water tank near the bottom. No probe shall place on the interior of the tank. Wiring shall be weather resistant and have automotive type plug-in connectors.

One (1) == HLHD/HRHD Rapid Response 1000 Tank - 4212.023 04/21/23 ==

One (1) Water Tank, 1000 Gal, Pmpr/Tnkr , Poly
25-26-1502

WATER TANK - 1000 GALLON

The apparatus shall be equipped with a one-thousand (1000) gallon polypropylene water tank. The tank shall be equipped with a four-inch (4") overflow pipe (a six-inch (6") overflow pipe shall be provided if required by dump valve installation).

One (1) Water Tank, "T" Tank
25-25-0060

WATER TANK

The apparatus shall be equipped with a "T" shaped tank.

One (1) Water Tank, Fill Tower, 10" x 10", <1500 Gals
25-44-1300

WATER TANK FILL TOWER

A fill tower measuring approximately 10” x 10” square shall be provided on the water tank up to and including 1500 gallons total capacity.

One (1) Water Tank Drain, 1", 1/4 Turn Vlv
25-50-1100

WATER TANK DRAIN VALVE

A 1" diameter gated quarter-turn drain valve shall be provided for the water tank.

One (1) Hosebed, Grating, Slotted Aluminum 1/4" <180" Long
29-10-1100

HOSEBED DECKING SINGLE AXLE

The hose bed compartment deck shall be constructed of two sheets of maintenance-free ¼” aluminum. The sheet shall have slots cut out of it to prevent the accumulation of water and allow ventilation to assist in drying hose. The apparatus hose bed shall be properly reinforced without the use of angles or structural shapes and free from all projections that might injure the fire hose. The main apparatus hose bed shall run the full length of the apparatus body from behind the pump panel area to the rear face of the body. The upper rear interior of the hose bed on the right and left sides shall be overlaid with brushed stainless steel to protect the painted surface from damage by hose couplings.

One (1) Hosebed, Strge Cpcty, 55 Cubic Feet, Minimum
29-10-5100

HOSE BED STORAGE CAPACITY

The hose bed shall be designed to have a storage capacity for a minimum of 55 cubic feet of fire department supplied fire hose.

One (1) Alum Box Around Fill Towers
29-10-8600

ALUMINUM BOX

There shall be a full width smooth aluminum box fabricated around the fill tower(s).

One (1) Hosebed Cvr, Vinyl, <180" L, <74" W, Velcro
29-20-2000

VINYL HOSEBED COVER

The apparatus shall be equipped with a vinyl hosebed cover.

The cover, approximately 74” wide, shall be secured utilizing a velcro fastening system at the front and sides of the hosebed body.

One (1) 29-20-5600 Vinyl Cover, Color, RED

The vinyl cover shall be red in color.

One (1) 30-00-0000 BODY CONSTRUCTION

One (1) 30-01-1904 Bdy Const - Rosenbauer FX - 3/16" Alum - SA Pmpr/Tnkr

3/16" ALUMINUM BODY

The body shall be fabricated of aluminum extrusions, smooth aluminum sheet and aluminum treadplate.

The aluminum extrusion alloy shall be 6061 with a temper rating of T6, and have a tensile strength of 45,000 PSI and yield strength of 40,000 pounds. The aluminum extrusions shall 3" x 3" aluminum tubing, 1-3/4" x 3" aluminum tubing and 3" x 3" aluminum angle and specially designed extrusions, up to .250" wall thickness where applicable.

The smooth aluminum sheet material alloy shall be 5052 with a temper rating of H32, and have a tensile strength of 33,000 PSI and yield strength of 28,000 pounds.

The aluminum treadplate alloy shall be 3003 with a temper rating of H22, and have a tensile strength of 30,000 PSI and yield strength of 28,000 pounds.

The extrusions shall be designed as structural-framing members with the smooth aluminum and treadplate fabricated to form compartments, hosebeds, and floors. All aluminum material shall be welded together using the latest mig spray pulse arc welding system.

Compartment floors shall be of the sweep out design with the floor higher than the compartment door lip and to be water and dust proof. All compartments shall be made to the maximum practical dimensions to provide maximum storage capacity. To ensure maximum storage space, the apparatus shall be constructed without any void spaces between the body and the compartment walls. Double wall construction does not meet this requirement.

All exterior compartments shall have polished aluminum drip moldings installed above the doors where necessary to prevent water from entering the compartments.

Wheel well panels shall be formed aluminum that is welded in place. There shall be no visible bolt heads, retention nuts or fasteners on the exterior surface of the panel. To fully protect the wheel well area from road debris and to aid in cleaning, a full depth radius wheel well liner shall

be provided. The frame side of the wheel well area on each side of the opening shall be attached to the frame side of the front and rear compartments. All seams on the frame side of the body shall be welded and caulked to prevent moisture from entering the compartments.

The rear wheel wells shall be radius cut for a streamlined appearance. A fenderette shall be furnished at each rear wheel well opening, held in place with stainless steel fasteners.

FASTENERS

All aluminum and stainless steel components shall be attached using stainless steel fasteners.

Compartment door hinges, handrails and running boards shall be attached using minimum 1/4" diameter machine bolt fasteners.

3/16" diameter fasteners shall only be used in nonstructural areas such as; door handles, trim moldings, gauge mounting, etc.

One (1) Electrolysis Corrosion Cntrl
30-01-2250

ELECTROLYSIS CORROSION CONTROL

The apparatus shall be assembled using ECK or electrolysis corrosion control, on all high corrosion potential areas, such as door latches, door hinges, trim plates, fenderettes, etc. This coating is a high zinc compound that shall act as a sacrificial barrier to prevent electrolysis and corrosion between dissimilar metals. This shall be in addition to any other barrier material that may be used.

All 1/4" diameter and smaller screws and bolts shall be stainless steel.

Due to the expected life of the vehicle, proposals will only be acceptable from manufacturers that include these corrosion features.

One (1) Smooth Alum Compt Floors
30-02-2200

COMPARTMENT FLOORS

The compartment floors shall be constructed of smooth aluminum material, to match the compartment interior walls.

One (1) Sub Frame, Hot-Dip Galv
30-10-1100

GALVANIZED SUB-FRAME

The apparatus body subframe shall be constructed entirely of heavy steel structural channel material.

Two full frame lengths, three-inch (3") 3.4 pound per foot longitudinal steel channels shall form the sides of the body subframe and sides of the water tank cradle. Subframe crossmembers shall be fabricated with three inch (3") 3.4 pound per foot heavy steel channel cross members welded to the longitudinal body subframe sides and the full length frame pads.

Two full frame length 1/2" x 3" flat steel frame pads shall be attached to the body subframe and rest on top of the chassis frame rails for proper frame weight distribution.

The steel frame pads, longitudinal steel channels and subframe crossmembers shall be attached to the chassis frame rails using heavy "U" bolt fasteners to allow removal of the subframe and body assembly from the chassis. There shall be a barrier provided between the subframe and body to prevent electrolysis.

The rear subframe and lower body platform support members shall be of the "two piece" design, fabricated of 3.4 lb. per foot heavy channel and welded to the full length subframe channel liners at the rear.

A minimum of two rear platform support channels shall be provided and constructed of 3.4 lb. Per foot heavy steel material. Each support channel shall have welded in gusset where the support meets the rear subframe rails.

After fabrication the entire subframe assembly shall be hot dip galvanized to prevent corrosion. p The hot dip galvanized subframe shall have a lifetime warranty against failure due to corrosion.

This steel subframe shall carry the weight of the apparatus body, tank, water and equipment. This method of apparatus construction gives an excellent strength/weight ratio.

One (1) Bdy, Frmd Alum, Pmpr/Tnkr , Up to 156"
31-01-1110

BODY CONFIGURATION

The formed apparatus body shall be up to 156" long, reference the drawing for actual body length.

One (1) Whl Well Panel, Alum Pntd, Sngl Axle - Alum
44-06-2200

SINGLE AXLE WHEEL AREA

For ease of accessibility and maintenance, wheel well panels shall be double break formed painted smooth plate that is welded in place.

To fully protect the wheel well area from road debris and to aid in cleaning, a full depth (minimum of 25") radius wheel well liner shall be provided. Wheel well liner shall be smooth aluminum to prevent corrosion.

One (1) Fenderette, Polished Aluminum
44-06-4100

FENDERETTES

The rear wheel wells shall be radius cut for a streamlined appearance. A polished aluminum fenderette shall be furnished at each rear wheel well opening, held in place with concealed stainless steel fasteners.

One (1) 98" OAW, 25" 15-25" Half Dpth, SA HL/HR
31-01-2154

BODY WIDTH

The overall width of the pumper body shall not exceed 98".

COMPARTMENT DEPTH

The compartments on the pumper body shall have the following dimensions:

Lower portion depth of 25"
Upper portion depth of 15"

One (1) Hosebed, Pmpr, <180" L, 68" Wide
29-00-1200

HOSEBED WIDTH

The width of the pumper body hosebed shall be 68".

One (1) Cmpt Height, 74.5" High Left
32-03-0080

COMPARTMENT HEIGHT

The left side body compartments shall be 74.5".

One (1) Cmpt Height, 74.5" High Right
32-03-1080

COMPARTMENT HEIGHT

The right side body compartments shall be 74.5" high.

Seven (7) Roll-Up Drs - Amdor
30-02-1140

ROLL UP DOOR CONSTRUCTION

Compartment doors shall be equipped with AMDOR™ brand roll-up doors complete with the following features:

1” aluminum double wall slats with continuous ball & socket hinge joint designed to prevent water ingression and weather tight recessed dual durometer seals,

Double wall reinforced bottom panel with stainless steel lift bar latching system, bottom panel flange with cut-outs for ease of access with gloved hands, reusable slat shoes with positive snap-lock securement, smooth interior door curtain to prevent equipment hang-ups,

One-piece aluminum door track / side frame, top gutter with non-marring seal, non-marring recessed side seals with UV stabilizers to prevent warpage ,

Dual leg bottom seal, with all wear component material to be Type 6 Nylon.

One (1) Ahd Rr Whls - Full Ht Comp't - Roll Up Door
32-05-1129

LEFT FRONT COMPARTMENT

There shall be one (1) full height compartment located ahead of the rear wheels. The compartment shall be equipped with a full height single roll up door.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers (Ea)
44-40-1020

A removable louvered vent shall be provided in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum
45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")
55-01-4119

COMPARTMENT LIGHTS

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. Th e lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 30" in length.

One (1) Cmpt Lt, Mtng Door Jamb
55-01-4219

The compartment light shall be mounted in the door jamb to illuminate the compartment interior.

One (1) Cmpt Lt, Dr Swtch, Magnetic, Ea

55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Upr Hgh Sde - Sgle Comp't - Roll Up Dr

32-05-1359

LEFT OVERWHEEL COMPARTMENT

There shall be one (1) compartment above the rear wheels. The compartment shall be equipped with a single roll up door.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers (Ea)

44-40-1020

A removable louvered vent shall be provided in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum

45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Cmpt LED Strip Lt, (2) Ea Cmpt (approx 12")

55-01-4009

COMPARTMENT LIGHT

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 12" in length.

One (1) Cmpt Lt, Dr Swtch, Magnetic, Ea

55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Bhnd Rr Whls - Full Ht Comp't - Roll Up Door

32-05-1722

LEFT REAR COMPARTMENT

There shall be one (1) full height compartment located behind the rear wheels. The compartment shall be equipped with a full height single roll up door.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers (Ea)

44-40-1020

A removable louvered vent shall be provided in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum
45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")
55-01-4119

COMPARTMENT LIGHTS

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. Th e lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 30" in length.

One (1) Cmpt Lt, Mtng Door Jamb
55-01-4219

The compartment light shall be mounted in the door jamb to illuminate the compartment interior.

One (1) Cmpt Lt, Dr Swtch, Magnetic, Ea
55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Ahd Rr Whls - Full Ht Comp't - Roll Up Door
32-06-1130

RIGHT FRONT COMPARTMENT

There shall be one (1) full height compartment located ahead of the rear wheels. The compartment shall be equipped with a full height single roll up door.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers (Ea)
44-40-1020

A removable louvered vent shall be provided in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum
45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")
55-01-4119

COMPARTMENT LIGHTS

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. Th e lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 30" in length.

One (1) Cmpt Lt, Mtng Door Jamb
55-01-4219

The compartment light shall be mounted in the door jamb to illuminate the compartment interior.

One (1) Cmpt Lt, Dr Swtch, Magnetic, Ea
55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Upr Hgh Sde - Sgle Comp't - Roll Up Door
32-06-1475

RIGHT HIGH SIDE COMPARTMENTS

There shall be one (1) compartment above the rear wheels. The compartment shall be equipped with a single roll up door.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers (Ea)
44-40-1020

A removable louvered vent shall be provided in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum
45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Cmpt LED Strip Lt, (2) Ea Cmpt (approx 12")
55-01-4009

COMPARTMENT LIGHT

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 12" in length.

One (1) Cmpt Lt, Dr Swtch, Magnetic, Ea
55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Bhnd Rr Whls - Full Ht Comp't - Roll Up Door
32-06-1740

RIGHT REAR COMPARTMENT

There shall be one (1) full height compartment located behind the rear wheels. The compartment shall be equipped with a full height single roll up door.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers (Ea)
44-40-1020

A removable louvered vent shall be provided in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum
45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Cmpt LED Strip Lt, (2) Ea Cmpt (approx 30")
55-01-4119

COMPARTMENT LIGHTS

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. Th e lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 30" in length.

One (1) Cmpt Lt, Mtng Door Jamb
55-01-4219

The compartment light shall be mounted in the door jamb to illuminate the compartment interior.

One (1) Cmpt Lt, Dr Swtch, Magnetic, Ea
55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Rr Bdy, Flat Back
33-60-1102

REAR BODY CONFIGURATION

The rear of the apparatus body shall be of the flat back design.

One (1) Rr Cntr Comp't - Full Ht Roll Up/Trans- Natural Finish
32-08-0210

REAR CENTER COMPARTMENT

There shall be one (1) full height compartment located at the rear of the apparatus. The compartment shall be equipped with a full height natural finish roll up door. The compartment shall be open to the rear side compartments, providing a transverse compartment at the rear of the truck.

The compartment shall be equipped with the following:

One (1) Vents, Compts, Louvers, Includes Filters (Ea)
44-40-1100

One (1) louver with filter shall be installed in the compartment.

One (1) Shelving Tracks, (2) Unistrut, Alum
45-01-1050

ADJUSTABLE SHELVING TRACKS

The compartments shall be equipped with two (2) aluminum adjustable tracks, vertically mounted, that are bolted in place for adjustable shelving and equipment mounting.

One (1) Strip Light, LED Light, (2) Ea Compartment (approx 30")
55-01-4119

COMPARTMENT LIGHTS

Two (2) vertically mounted LED strip lights shall be installed inside the compartment. The lights shall have a polycarbonate lens to eliminate breakage from impact and eliminate heat buildup and each light shall be approximately 30" in length.

One (1) Light Mounting, Door Jamb
55-01-4219

The compartment light shall be mounted in the door jamb to illuminate the compartment interior.

One (1) Compartment Light, Door Switch, Magnetic, Ea
55-06-1409

The compartment light will be controlled by a magnetic "On-Off" switch located on each compartment door.

One (1) Rr Step, Pmpr-Tnkr Bdy, Bolt-On, 14"
33-61-1400

REAR STEP - 14” BOLT-ON

A 14" deep step surface shall be provided at the rear of the apparatus body, bolted in place and easily removable for replacement or repair. The tailboard shall be constructed of .188" aluminum diamond plate or equal non-slip surface in compliance with NFPA #1901 standards.

A label shall be provided warning personnel that riding on the rear step while the apparatus is in motion is prohibited.

One (1) Steps, Fldg, Frnt, Left Hand (4), Integral LED Lts
33-66-1160

FOLDING STEPS LEFT SIDE FRONT

Four (4) folding steps of die cast high-strength zinc/aluminum alloy, plated with a superior automotive grade chrome finish shall be provided. The greater than 42 sq. in. serrated non-skid step traction area also offers an oversized non-slip grasp hand-hold. A heavy duty stainless steel spring design firmly holds the step in the open or closed positions. A rubber stop prevents any

transit noise and rattles in the closed position. Step lighting shall be from a LED light mounted above the step.

The step has been third part tested to assure conformation of NFPA 1901 and FHA, 49CFR specifications for stepping surfaces and handhold.

The step shall be installed on the left side front compartment face.

One (1) Steps, Fldg, Frnt, Right Hand (4), Integral LED Lts
33-66-2160

FOLDING STEPS RIGHT SIDE FRONT

Four (4) folding steps of die cast high-strength zinc/aluminum alloy, plated with a superior automotive grade chrome finish shall be provided. The greater than 42 sq. in. serrated non-skid step traction area also offers an oversized non-slip grasp hand-hold. A heavy duty stainless steel spring design firmly holds the step in the open or closed positions. A rubber stop prevents any transit noise and rattles in the closed position. Step lighting shall be from a LED light mounted above the step.

The step has been third part tested to assure conformation of NFPA 1901 and FHA, 49CFR specifications for stepping surfaces and handhold.

The step shall be installed on the right side front compartment face.

One (1) Access Ladder, Rosenbauer EZ Climb, Left Rr
38-90-2050

ACCESS LADDER EZ CLIMB - LEFT REAR

There shall be a swing out and down access ladder supplied and installed on the apparatus, for accessing the top of the apparatus. It shall be of an all aluminum design and shall incorporate treads six (6") inches deep and no more than eighteen (18") inches apart. The ground to the first step dimension, on level ground, shall be no more than twenty-four (24") inches.

The access ladder shall have integrated hand holds in the steps, to aid in the ascent/descent of the ladder.

When in the deployed position the ladder shall have an angle of approximately 75-degrees to facilitate ascending and descending the ladder. The ladder shall be retained in the stowed and deployed position by two (2) gas cylinders and shall not require the use of latches to hold it in position.

One (1) Bdy Trim, Frnt Bdy, Ht of Side Cmpts, Alum T/P
44-01-1400

FRONT BODY PROTECTION PANELS

Aluminum tread plate overlays and panels shall be installed on the front of the body from the lower edge to the top of the compartment doors. The material shall be bolted in place and sealed to prevent any moisture entry between the overlay and the body structure.

One (1) Bdy Trim, Entire Rr Bdy, Smooth for Chevron Stripe
44-01-4000

REAR BODY PROTECTION PANELS

The rear body panels of the body shall be a smooth material, to allow for the proper application and installation of a "Chevron" stripe on the rear.

One (1) Rub Rails, Lwr Bdy, Extrd Alum
44-02-1100

EXTRUDED ALUMINUM RUB RAILS

Full body length polished aluminum rub rails shall be bolted in place on the lower right and left body sides. The side rub rails shall be a heavy extruded aluminum "C" channel.

One (1) Rub Rails, Spacers, Nylon
44-02-2000

NYLON SPACERS FOR RUB RAILS

There shall be nylon spacers provided between the rub rail and the body. This shall allow wash out and replacement in the event of damage.

One (1) Whl Well Cmpt, Four (4) SCBA Tube, Brshd SST Dr
44-10-3020

A breathing air cylinder storage compartment for four (4) SCBA cylinders (not supplied) shall be provided and located in the rear wheel well of the apparatus body.

The cylinder storage compartment shall be constructed entirely of aluminum. The door assemblies shall be provided with a gasket between door and body side, bolted in-place and removable for repair or replacement.

The compartment shall be provided with SCBA cylinder scuff protection. A brushed stainless steel door shall be provided.

Each tube is 8" round and 24.25" Deep

Four (4) Whl Well Compt, SCBA Compt Straps
44-10-6000

An one-inch (1") wide loop of black webbing shall be installed in each SCBA compartment to prevent the bottle from sliding out of the compartment in case of door failure. The loop shall be mounted, centered in the compartment and shall hang within one-inch (1") of the compartment floor to allow the bottle to pass by the strap when the bottle is placed in the compartment. The strap shall loop over the valve.

One (1) Whl Well Cmpt, Sngl SCBA Tube, Brshd SST Dr
44-10-1400

A breathing air cylinder storage compartment shall be provided and located in the rear wheel well of the apparatus body.

The cylinder storage compartment shall be constructed entirely of aluminum. The door assemblies shall be provided with a gasket between door and body side, bolted in-place and removable for repair or replacement.

Compartment shall be provided with SCBA cylinder scuff protection. A brushed stainless steel door shall be installed.

Each tube is 8" round and 24.25" Deep

One (1) Whl Well Compt, SCBA Compt Straps
44-10-6000

An one-inch (1") wide loop of black webbing shall be installed in each SCBA compartment to prevent the bottle from sliding out of the compartment in case of door failure. The loop shall be mounted, centered in the compartment and shall hang within one-inch (1") of the compartment floor to allow the bottle to pass by the strap when the bottle is placed in the compartment. The strap shall loop over the valve.

One (1) Whl Well Cmpt, Four (4) SCBA Tube, Brshd SST Dr
44-10-3020

A breathing air cylinder storage compartment for four (4) SCBA cylinders (not supplied) shall be provided and located in the rear wheel well of the apparatus body.

The cylinder storage compartment shall be constructed entirely of aluminum. The door assemblies shall be provided with a gasket between door and body side, bolted in-place and removable for repair or replacement.

The compartment shall be provided with SCBA cylinder scuff protection. A brushed stainless steel door shall be provided.

Each tube is 8" round and 24.25" Deep

Four (4) Whl Well Compt, SCBA Compt Straps
44-10-6000

An one-inch (1") wide loop of black webbing shall be installed in each SCBA compartment to prevent the bottle from sliding out of the compartment in case of door failure. The loop shall be mounted, centered in the compartment and shall hang within one-inch (1") of the compartment floor to allow the bottle to pass by the strap when the bottle is placed in the compartment. The strap shall loop over the valve.

One (1) Whl Well Cmpt, Sngl SCBA Tube, Brshd SST Dr
44-10-1400

A breathing air cylinder storage compartment shall be provided and located in the rear wheel well of the apparatus body.

The cylinder storage compartment shall be constructed entirely of aluminum. The door assemblies shall be provided with a gasket between door and body side, bolted in-place and removable for repair or replacement.

Compartment shall be provided with SCBA cylinder scuff protection. A brushed stainless steel door shall be installed.

Each tube is 8" round and 24.25" Deep

One (1) Whl Well Compt, SCBA Compt Straps
44-10-6000

An one-inch (1") wide loop of black webbing shall be installed in each SCBA compartment to prevent the bottle from sliding out of the compartment in case of door failure. The loop shall be mounted, centered in the compartment and shall hang within one-inch (1") of the compartment floor to allow the bottle to pass by the strap when the bottle is placed in the compartment. The strap shall loop over the valve.

One (1) Ladder Strge, Vrtcl Slide In, Passenger Rear Bdy
90-02-3500

SLIDE OUT VERTICAL LADDER MOUNTINGS

The ladder shall slide into the passenger rear of the apparatus, through the passenger side of the body. The vertically mounted slide in assembly shall be an integral part of the body and accessible through a hinged door.

One (1) Compt Door, Smooth, With Chevron
90-02-2920

The hinged door shall be constructed of smooth material, with chevron striping applied to match the rear of the apparatus body.

One (1) Ladder Mtg, Fldg Attic, Internal
90-02-5310

INTERNAL FOLDING ATTIC LADDER MOUNTING

An internal mounting shall be provided for the specified folding attic ladder.

One (1) Ladders, Ground, Provd'd By Bdy Bldr, SD
90-03-0225

LADDER SOURCE

New ground ladders shall be provided by the body builder.

Two (2) Pike Pole Mtg, In Ladder Tunnel, Ea
90-16-5400

PIKE POLE MOUNTING BRACKET

Two (2) tube shall be provided for pike pole mounting. The tube shall have a 2" interior diameter and shall be mounted in the ladder tunnel.

One (1) Suction Hose Compt, Abv Comp'ts, Driver Side Pntd Smooth (Ea)
90-25-7750

HARD SUCTION MOUNTING

A hard suction hose compartment shall be provided above the body compartments, on the driver side. The design shall allow the hose to be individually removed from the rear of the apparatus. The hard suction compartment shall be constructed of smooth material painted to match the body and shall be equipped with a hinged door with push to latch door catches.

One (1) Compt Door, Smooth, With Chevron
90-02-2920

The hinged door shall be constructed of smooth material, with chevron striping applied to match the rear of the apparatus body.

One (1) Suction Hose Compt, Abv Comp'ts, Passenger Side Pntd Smooth (Ea)
90-25-7850

HARD SUCTION MOUNTING

A hard suction hose compartment shall be provided above the body compartments, on the passenger side. The design shall allow the hose to be individually removed from the rear of the apparatus. The hard suction compartment shall be constructed of smooth material painted to match the body. The hard suction hose compartment shall have a hinged door with push to latch door catches.

One (1) Compt Door, Smooth, With Chevron
90-02-2920

The hinged door shall be constructed of smooth material, with chevron striping applied to match the rear of the apparatus body.

One (1) Suction Hose Provd'd By, Bdy Bldr, SD
90-25-9115

SUCTION HOSE SOURCE

New suction hose shall be provided by the body builder.

One (1) == RR Pumper-AC Electrical System - 4212.023 04/21/23 ==

One (1) == R Series FX Paint / Stripe - Single Axle - 4212.023 04/21/23 ==

One (1) Bdy Paint, Sngl Axle, Pmpr/Tnkr - Sngl Color
80-05-1200

BODY PAINT PROCESS

All paint contains a film forming component, a solvent thinner, and a pigment. In conventional paint the film forming component and pigment are deposited on the surface as the solvent evaporates. In polyurethane paint, however, the film is formed when isocyanate, a chemical unique to polyurethane paint, becomes a plastic like substance. In one component polyurethane paint, this happens as isocyanate reacts with moisture in the air. In two component paint, a moisture curing chemical is added. Polyurethane paint has excellent performance characteristics: adhesion, hardness, gloss, flexibility, and resistance to abrasion, impact, weathering, acids and solvents.

The paint must have:

- High gloss retention and DOI
- Strong UV properties to resist fading
- Strong Chemical resistance
- Strong Chip resistance
- A 3.5lbs/gal VOC content or less (green component)
- A proven durability in the commercial fleet industry

Please note, that because of the importance of proper paint preparation and application, any differences in materials, preparations or procedures must be noted and explained in detail. Non-compliance with this requirement will result in immediate rejection of entire bid response.

FACILITY CERTIFICATION

The paint facility shall be in current compliance with 40 CFR (code of federal regulations) part 63 subpart HHHHHH national emission standards for hazardous air pollutants: Paint stripping and miscellaneous surface coating operations at area sources (6H-NESHAP). Spray guns shall also be compliant certified by paint gun manufacturer.

PAINTER CERFITICATION

All painters shall be certified. Documentation shall be available upon request.
Training documentation shall include:

- Spray gun set up and usage
- Spray gun maintenance
- Hands on practical use of HVLP and RP Equipment
- Cycle time reductions and improving productivity with correct equipment and usages
- Air volume requirements
- Air filtration and filter maintenance

- Supplied air respiration
- CO monitor requirements
- Spot repair procedure
- RPS cups

ROSENBAUER CAB / MODULE PREP

Prior to assembly, all joints and seams are to be mechanically etched. All welds shall be ground smooth prior to priming. The bare substrate of the module is first cleaned with a strong surface cleaner to remove fabrication and pneumatic tool oils. The reason? Cleaning the surface prior to sanding prevents oils and contaminants from being imbedded into the substrate. After sanding process, a mild surface cleaner removes any sanding dust residue along with pneumatic tool oil. A waterborne surface cleaner is available in case substrate was touched with bare hands or skin.

The following steps must be followed in sequence to properly apply paint to the Fire truck cab, chassis or module.

SURFACE PREP

- Clean entire modular body with Sikkens OTO using the two-cloth method, wipe on wet, wipe dry. Reason: Wiping our surface cleaners on wet, contaminants loosen and float to the top. Those floating contaminants then get wiped off with an absorbent towel.
- Using an orbital sander, (where polyester filler will be applied) 80 grit is used to provide a mechanical tooth for optimal adhesion. 180 grit is then used surrounding the 80 grit area. Sikkens M600 surface cleaner is then used to remove sanding dust and pneumatic tool oil. If bare hands or skin accidentally touched the surface, Sikkens Autoprep waterborne cleaner is used to remove natural oils.
- Again: All surface cleaners are applied wet with one towel and wiped dry with another.
- Rosenbauer approved polyester body filler is then applied over the 80 grit ground areas to cover the imperfections from welds. When body filler dries, it's first sanded with 80 grit then finish sanded with 180 grit to remove all 80 grit sand scratches. Blow off surface dust using approved air wand.
- After body work has been completed, the rest of the aluminum substrate on module gets sanded with 180 grit sandpaper until the surface is bright and sand scratches are consistent.
- Module get's blown off again to remove all sanding dust.
- Step 1 is essential in achieving proper adhesion.

EPOXY PRIMER and HIGH BUILD primer surfacer APPLICATION PROCESS:

- First, if sanded aluminum substrate has not been primed within 8 hours, aluminum substrate gets re-abraded to remove oxidation that may have begun on aluminum surface.
- Aluminum substrate gets cleaned with Sikkens M600 surface cleaner using the 2 towel method.
- Surface cleaners do not get applied over body filler due to polyester filler being absorbent.

- 1 coat of AkzoNobel LV262 Epoxy primer is applied. This epoxy primer slows down corrosion from happening if in case the unit (once out in the field) has stone chips or scratches down to aluminum.
- This product is a 2 component epoxy primer meaning it mixes with a hardener.
- Paint technicians are trained to properly apply this product to achieve a minimum of 1 mil DFT (Dry film thickness) required by AkzoNobel. A blank module schematic showing specific areas to measure dry film thickness is completed on each module /unit.
- Allow LV262 25 minutes minimum dry time prior to applying AkzoNobel LV650 primer surfacer.
- Apply two to three wet coats of AkzoNobel LV650 two component low VOC high build primer surfacer.
- A dry film thickness of up to 8 mils can be achieved prior to sanding.
- Minimum flash between coats is 30 seconds to 5 minutes.
- LV650 surfacer dries 3 different ways. 8 hour dry without accelerator, bake for 1 hour at 140° or accelerate which allows technicians to sand in 45 minutes @70°.

SANDING

- Block sand entire module with 320-grit sandpaper minimizing any accidental cut throughs on edges.
- Blow off body with air gun and move module into paint booth.

PRE TOPCOAT PREPARATION

- Clean areas where Rosenbauer approved seam sealer is applied with Sikkens M600 surface cleaner. If by accident, bare hands or skin touched surface on cab or module, Autoprep waterborne cleaner is used on these areas prior to using M600 cleaner. Both cleaners are used with the 2 towel method.
- Seam seal with Rosenbauer approved non-shrinking moisture cured urethane seam sealer. Technicians follow seam sealer technical data sheets pertaining to application and dry times prior to applying AkzoNobel BT650 basecoat or 650 Topcoat single stage paint.
- Clean module with M600 surface cleaner. If by accident, bare hands or skin touched surface on module, Autoprep waterborne cleaner is used on these areas prior to using M600 cleaner. Both cleaners are used with the 2 towel method.
- If there are any visible cut throughs, paint techs first use a pre-treatment Alodine wipe followed by one coat of reduced LV262 epoxy primer over these areas and give a 20 minute flash prior to applying BT650 basecoat or Topcoat.
- Tack rag unit to remove any lint or dust that could have landed on surface.

TOPCOAT PROCEDURES

- Mix BT650 basecoat or Topcoat (single stage) polyurethane paint.
- Fluid and spray pattern checks are done prior to applying BT650 base, Topcoat and Clear coat.
- Apply BT650 basecoat until complete coverage is achieved. If Topcoat is applied, a minimum of 1.8 mils is recommended after cut and buff procedure. Note: Topcoat doesn't get clear coated.

- Allow solid color BT650 basecoat to flash 20 minutes prior to applying 3 coats Sikkens LV651 Glamour
- Clear coat. If a metallic color, allow BT650 basecoat to flash 45 min. prior to applying 3 coats LV651
- Glamour Clear coat. Bake body for 45 minutes once surface temp has reached 140 degrees.

The mil thicknesses are as follows:

Autocoat BT LV262 Epoxy Primer	1.0 to 1.5 mils
Autocoat BT LV650 2K Primer Surfacer	1.0 to 3.0 mils
Autocoat BT LV650 Basecoat color	1.0 to 1.8 mils
Autocoat LV651 Clearcoat	2.0 to 3.0 mils
Combined total:	5.0 to 9.3 mils

One (1) Apparatus Color
80-06-1100

APPARATUS COLOR

Match chassis

One (1) Bdy Paint
80-06-1000

BODY PAINT PROCESS

All paint contains a film forming component, a solvent thinner, and a pigment. In conventional paint the film forming component and pigment are deposited on the surface as the solvent evaporates. In polyurethane paint, however, the film is formed when isocyanate, a chemical unique to polyurethane paint, becomes a plastic like substance. In one component polyurethane paint, this happens as isocyanate reacts with moisture in the air. In two component paint, a moisture curing chemical is added. Polyurethane paint has excellent performance characteristics: adhesion, hardness, gloss, flexibility, and resistance to abrasion, impact, weathering, acids and solvents.

The paint must have:

- High gloss retention and DOI
- Strong UV properties to resist fading
- Strong Chemical resistance
- Strong Chip resistance
- A 3.5lbs/gal VOC content or less (green component)
- A proven durability in the commercial fleet industry

Please note, that because of the importance of proper paint preparation and application, any

differences in materials, preparations or procedures must be noted and explained in detail. Non-compliance with this requirement will result in immediate rejection of entire bid response.

FACILITY CERTIFICATION

The paint facility shall be in current compliance with 40 CFR (code of federal regulations) part 63 subpart HHHHHH national emission standards for hazardous air pollutants: Paint stripping and miscellaneous surface coating operations at area sources (6H-NESHAP). Spray guns shall also be compliant certified by paint gun manufacturer.

PAINTER CERTIFICATION

All painters shall be certified. Documentation shall be available upon request.
Training documentation shall include:

- Spray gun set up and usage
- Spray gun maintenance
- Hands on practical use of HVLP and RP Equipment
- Cycle time reductions and improving productivity with correct equipment and usages
- Air volume requirements
- Air filtration and filter maintenance
- Supplied air respiration
- CO monitor requirements
- Spot repair procedure
- RPS cups

ROSENBAUER CAB / MODULE PREP

Prior to assembly, all joints and seams are to be mechanically etched. All welds shall be ground smooth prior to priming. The bare substrate of the module is first cleaned with a strong surface cleaner to remove fabrication and pneumatic tool oils. The reason? Cleaning the surface prior to sanding prevents oils and contaminants from being imbedded into the substrate. After sanding process, a mild surface cleaner removes any sanding dust residue along with pneumatic tool oil. A waterborne surface cleaner is available in case substrate was touched with bare hands or skin.

The following steps must be followed in sequence to properly apply paint to the Fire truck cab, chassis or module.

SURFACE PREP

- Clean entire modular body with Sikkens OTO using the two-cloth method, wipe on wet, wipe dry. Reason: Wiping our surface cleaners on wet, contaminants loosen and float to the top. Those floating contaminants then get wiped off with an absorbent towel.
- Using an orbital sander, (where polyester filler will be applied) 80 grit is used to provide a

mechanical tooth for optimal adhesion. 180 grit is then used surrounding the 80 grit area. Sikkens M600 surface cleaner is then used to remove sanding dust and pneumatic tool oil. If bare hands or skin accidentally touched the surface, Sikkens Autoprep waterborne cleaner is used to remove natural oils.

- Again: All surface cleaners are applied wet with one towel and wiped dry with another.
- Rosenbauer approved polyester body filler is then applied over the 80 grit ground areas to cover the imperfections from welds. When body filler dries, it's first sanded with 80 grit then finish sanded with 180 grit to remove all 80 grit sand scratches. Blow off surface dust using approved air wand.
- After body work has been completed, the rest of the aluminum substrate on module gets sanded with 180 grit sandpaper until the surface is bright and sand scratches are consistent.
- Module get's blown off again to remove all sanding dust.
- Step 1 is essential in achieving proper adhesion.

EPOXY PRIMER and HIGH BUILD primer surfacer APPLICATION PROCESS:

- First, if sanded aluminum substrate has not been primed within 8 hours, aluminum substrate gets re-abraded to remove oxidation that may have begun on aluminum surface.
- Aluminum substrate gets cleaned with Sikkens M600 surface cleaner using the 2 towel method.
- Surface cleaners do not get applied over body filler due to polyester filler being absorbent.
- 1 coat of AkzoNobel LV262 Epoxy primer is applied. This epoxy primer slows down corrosion from happening if in case the unit (once out in the field) has stone chips or scratches down to aluminum.
- This product is a 2 component epoxy primer meaning it mixes with a hardener.
- Paint technicians are trained to properly apply this product to achieve a minimum of 1 mil DFT (Dry film thickness) required by AkzoNobel. A blank module schematic showing specific areas to measure dry film thickness is completed on each module /unit.
- Allow LV262 25 minutes minimum dry time prior to applying AkzoNobel LV650 primer surfacer.
- Apply two to three wet coats of AkzoNobel LV650 two component low VOC high build primer surfacer.
- A dry film thickness of up to 8 mils can be achieved prior to sanding.
- Minimum flash between coats is 30 seconds to 5 minutes.
- LV650 surfacer dries 3 different ways. 8 hour dry without accelerator, bake for 1 hour at 140° or accelerate which allows technicians to sand in 45 minutes @70°.

SANDING

- Block sand entire module with 320-grit sandpaper minimizing any accidental cut throughs on edges.
- Blow off body with air gun and move module into paint booth.

PRE TOPCOAT PREPARATION

- Clean areas where Rosenbauer approved seam sealer is applied with Sikkens M600 surface cleaner. If by accident, bare hands or skin touched surface on cab or module, Autoprep waterborne cleaner is used on these areas prior to using M600 cleaner. Both cleaners are used with the 2 towel method.
- Seam seal with Rosenbauer approved non-shrinking moisture cured urethane seam sealer. Technicians follow seam sealer technical data sheets pertaining to application and dry times prior to applying AkzoNobel BT650 basecoat or 650 Topcoat single stage paint.
- Clean module with M600 surface cleaner. If by accident, bare hands or skin touched surface on module, Autoprep waterborne cleaner is used on these areas prior to using M600 cleaner. Both cleaners are used with the 2 towel method.
- If there are any visible cut throughs, paint techs first use a pre-treatment Alodine wipe followed by one coat of reduced LV262 epoxy primer over these areas and give a 20 minute flash prior to applying BT650 basecoat or Topcoat.
- Tack rag unit to remove any lint or dust that could have landed on surface.

TOPCOAT PROCDURE

- Mix BT650 basecoat or Topcoat (single stage) polyurethane paint.
- Fluid and spray pattern checks are done prior to applying BT650 base, Topcoat and Clear coat.
- Apply BT650 basecoat until complete coverage is achieved. If Topcoat is applied, a minimum of 1.8 mils is recommended after cut and buff procedure. Note: Topcoat doesn't get clear coated.
- Allow solid color BT650 basecoat to flash 20 minutes prior to applying 3 coats Sikkens LV651 Glamour
- Clear coat. If a metallic color, allow BT650 basecoat to flash 45 min. prior to applying 3 coats LV651
- Glamour Clear coat. Bake body for 45 minutes once surface temp has reached 140 degrees.

The mil thicknesses are as follows:

Autocoat BT LV262 Epoxy Primer	1.0 to 1.5 mils
Autocoat BT LV650 2K Primer Surfacer	1.0 to 3.0 mils
Autocoat BT LV650 Basecoat color	1.0 to 1.8 mils
Autocoat LV651 Clearcoat	2.0 to 3.0 mils
Combined total:	5.0 to 9.3 mils

One (1) Compt Finish, Spatter Coat, Up to 8 Cmpts
80-30-1200

INTERIOR COMPARTMENT FINISH

Eight (8) apparatus side compartment interiors are to be painted with a spatter finish material. The compartments shall be cleaned with a grease remover, and then the surface sanded and prepared for painting. The compartment shall be provided with two (2) coats of white epoxy. The compartments are then coated with a splatter paint top coat.

One (1) Bdy Paint, Touch Up, 2 oz. Bttl, One Color

80-42-1500

TOUCH-UP PAINT

One (1) two (2) ounce bottle of touch-up paint shall be furnished with the completed truck at final delivery.

One (1) Lettering, 4" Mylar Gold Leaf, 75 Letters

80-50-1800

SIMULATED GOLD LEAF LETTERING

The lettering shall be applied in simulated gold leaf material, shaded in black and encapsulated in clear Mylar.

A quantity of seventy-five (75), four (4) inch letters are to be placed on the cab and on the body as directed by the customer.

One (1) Stripe, Single Reflective, 4", Straight Design

80-70-1300

CAB AND BODY STRIPE

A straight Scotchlite reflective stripe, 4" in width, shall be applied horizontally around the cab and body in compliance with applicable NFPA 1901 standards. The purchaser shall specify the color and location of the stripe.

One (1) Reflective Stripe Material, White

80-75-1600

COLOR OF STRIPING MATERIAL

The color of the 3M brand striping material shall be white.

One (1) Stripe, Reflective, Oralite V98, Chevron Pattern Entire Rear Red/Yellow

80-72-1108

CHEVRON STRIPING

The entire rear portion of the body shall have Oralite V98 reflective red and yellow striping installed. The chevron style striping shall be applied at a 45-degree upward angle pointing towards the center upper portion of the rear panel.

One (1) NFPA Standing / Walking Surfaces Yellow Safety Tape (NFPA 15.7.1.6)

80-79-1000

YELLOW SAFETY TAPE - STANDING & WALKING SURFACES

The apparatus shall meet NFPA standard 15.7.1.6 designating any horizontal standing or walking surface higher than 48-in (1220 mm) from the ground and not guarded by railing or structure at least 12-in (300 mm) high shall have at least a 1-in (25 mm) wide safety yellow line delineation that contrasts with the background to mark the outside perimeter of the designated standing or walking surface area, excluding steps and ladders.

One (1) == R Series FX Pumper Loose Equipment - 4212.023 04/21/23 ==

One (1) Ladder, Roof, Duo-Safety, 14' Alum 775-A
90-03-3300

ROOF LADDER

One (1) Duo Safety Model 775-A, 14 foot aluminum roof ladder with folding steel roof hooks on one end and steel spikes on the other end shall be provided on the apparatus. The ladder shall meet or exceed all latest NFPA Standards.

One (1) Ladder, Ext, Duo-Safety, 24' Alum, 2 Sect 900-A
90-06-4600

EXTENSION LADDER

One (1) Duo-Safety Model 900-A, 24 foot two (2) section aluminum extension ladder shall be provided on the apparatus. The ladder shall meet or exceed all the latest NFPA standards.

One (1) Ladder, Attic, Duo-Safety, 10' Alum, Fold 585-A
90-08-2600

FOLDING LADDER

One (1) Duo Safety Model 585-A, 10 foot folding aluminum ladder shall be provided on the apparatus. The ladder shall meet or exceed all the latest NFPA Standards.

Two (2) Suction Hose, Flex, PVC, 6"x10'
90-25-3100

SUCTION HOSE

Two (2) 6.0" x 10 foot length of PVC flexible suction hose shall be supplied. The suction hose shall have light weight couplings provided.

Two (2) Suction Hose Cplgs, Alum, LH FM x RLM
90-25-6100

HOSE COUPLINGS

Light weight aluminum couplings shall be provided on the suction hose. A long handle female swivel shall be provided on one end and a rocker lug male shall be provided for the other end.

One (1) Suction Strainer, Barrel Type, 6", Kochek #BS60
90-26-1600

STRAINER

One (1) Kochek Model BS60 barrel strainer shall be provided. The strainer shall be constructed from aluminum with K-Brite finish and include a tie off loop on the end plate. The strainer shall be provided with a 6.0" NST female coupling.

One (1) Pike Pole, 10' Fbgls, Round Hndl

90-16-2800

PIKE POLE

One (1) 10' pike pole with round handle shall be provided. The pike pole shall be of fiberglass construction.

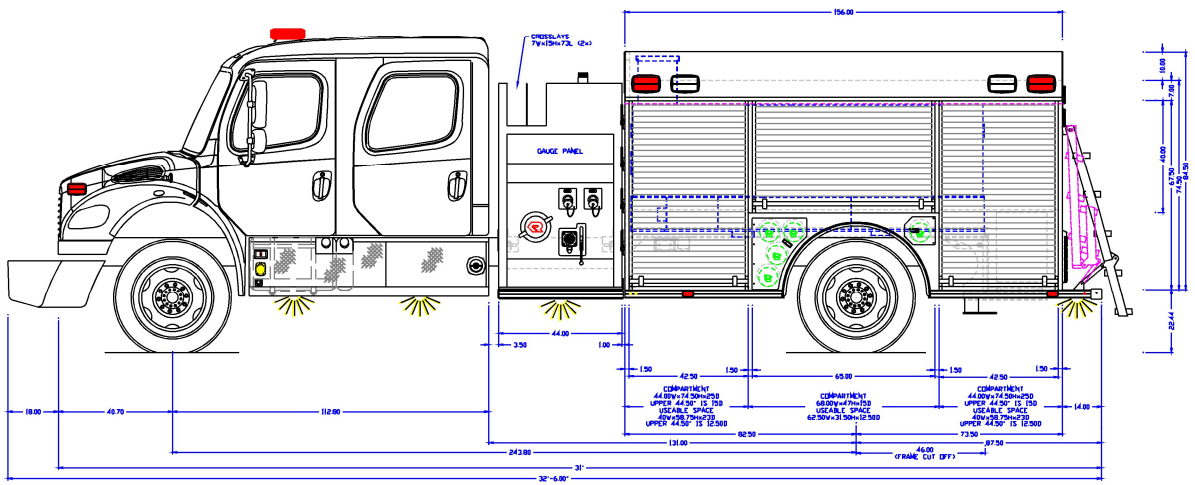
One (1) Pike Pole, 12' Fbgls, Round Hndl

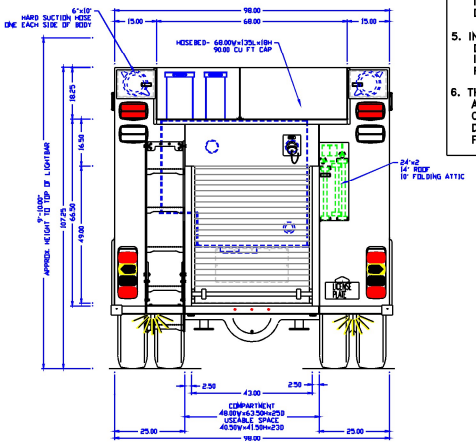
90-16-3000

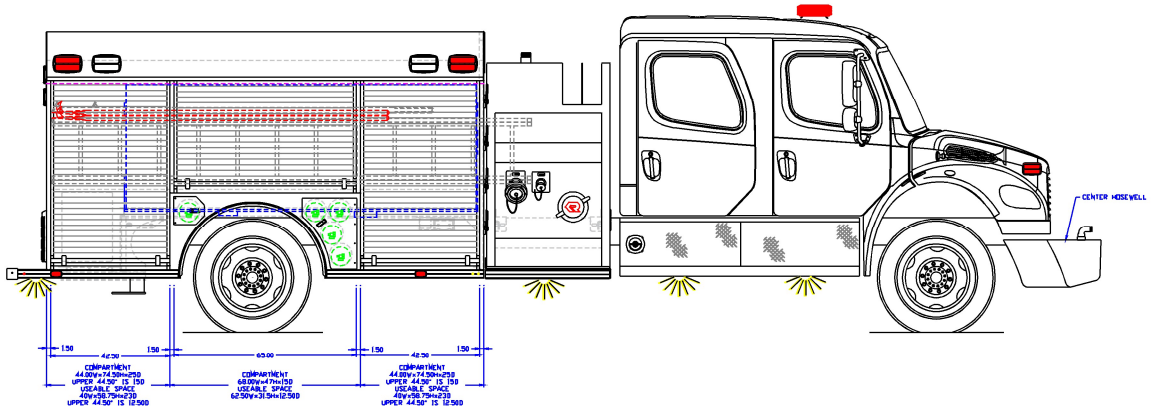
PIKE POLE

One (1) 12' pike pole with round handle shall be provided. The pike pole shall be of fiberglass construction.

BONAVENTURE FIRE + SAFETY







NOTES:
1. OVERALL HEIGHT IS IN LOADED CONDITION. UNLOADED HEIGHTS MAY BE 4" ABOVE HEIGHTS SHOWN.
2. DO NOT SCALE DRAWING.
3. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO ENGINEERING CHANGES.
4. DRAWING MAY OR MAY NOT SHOW ALL ITEMS AS DESCRIBED IN THE WRITTEN DETAIL SPECIFICATIONS.
5. INCLUSION OF AN ITEM ON THE DRAWING DOES NOT CONSTITUTE INCLUSION OF THAT ITEM WITH THE FINAL DELIVERED UNIT.
6. THE EFFECTIVE DOOR OPENINGS WILL BE APPROX. 2" LESS THAN THE NOTED COMPARTMENT OPENING FOR ROLL UP DOORS AND UP TO APPROX. 4" LESS FOR HINGED DOORS

INTIALS: -
JOB NUMBER: 19080-88
DATE:

MAIN FILE: -
DEPT: -
DEALER: -

~~PRODUCTION APPROVED~~

REVISED: -	DATE: -
REVISED: -	DATE: -
DRAWN: MJ	DATE: 6/28/23

APPROVED BY:

CHASSIS:	FREIGHTLINER 4DR
PUMP:	WATEROUS 1500 GPM
TANK:	POLY/1000/20(FOAM)
PANEL MATL:	LINE-X
COMP INTERIOR:	SPATTER COAT
MAXIMUM HEIGHT	NONE
MAXIMUM LENGTH	NONE
BODY WIDTH	98"

4DR COMMERCIAL STOCK RSD

rosenbauer

R-SERIES FXR 3/16"

DRAWING NUMBER: 4DR COMMERCIAL STOCK RSD
REV: -

TANGIPAHOA PARISH RURAL FIRE # 2
POSITION RATIFICATION FORM

This form is to be used for all position replacements or additions. Any change to the job description for this position may be forwarded with this form.

Position Title: Fire Fighter **Position Number:**_____

Location: ☐ Kentwood ☐ Independence ☐ Husser ☐ Wilmer

☐ Loranger ☐ Natalbany ☑ Hammond ☐ Ponchatoula

☐ 8th Ward (Robert) ☐ Manchac ☐ Other _____

Position Information: Replacement For:_____

Is the Job description current? ☒ Yes ☐ No **Payroll Mode:**

Status: Employment Category
☐ Reg F/T
☒ Reg P/T
☐ Temp F/T
☐ Temp P/T

Hours per week: 40

Days per week: 3

☒ Biweekly

☐ Monthly

FLSA Status: ☐ Exempt (Salary) ☐ Non Exempt (Hourly)

Approvals:

Chief: _____ Date:_____

Fire Board President: _____ Date:_____

Administrator:_____ Date:_____

New Position Information: Complete this form before attending Fire Board meeting to request approval to ratify position.

Name of Person: (please print) Zaccheaus JARROW Date:_____

Compensation: 11.00 ☑ Per hour ☐ Per Year ☐ Other:_____ Start Date: 2/1/23

Start date should be the beginning of a pay period. This allows enough time to schedule drug screens, physicals and the processing of paperwork.

TANGIPAHOA PARISH RURAL FIRE # 2
POSITION RATIFICATION FORM

This form is to be used for all position replacements or additions. Any change to the job description for this position may be forwarded with this form.

Position Title: Firefighter **Position Number:**_____

Location: ☐ Kentwood ☐ Independence ☐ Husser ☐ Wilmer

☐ Loranger ☐ Natalbany ☑ Hammond ☐ Ponchatoula

☐ 8th Ward (Robert) ☐ Manchac ☐ Other _____

Position Information: Replacement For:_____

Is the Job description current? ☒ Yes ☐ No **Payroll Mode:**

Status: Employment Category
☐ Reg F/T
☒ Reg P/T
☐ Temp F/T
☐ Temp P/T

Hours per week: 40

Days per week: 3

☑ Biweekly

☐ Monthly

FLSA Status: ☐ Exempt (Salary) ☐ Non Exempt (Hourly)

Approvals:

Chief: _____ Date:_____

Fire Board President: _____ Date:_____

Administrator:_____ Date:_____

New Position Information: Complete this form before attending Fire Board meeting to request approval to ratify position.

Name of Person: (please print) Jessie DeFriest Date:_____

Compensation: 11.00 ☑ Per hour ☐ Per Year ☐ Other:_____ Start Date: 4/1/23

Start date should be the beginning of a pay period. This allows enough time to schedule drug screens, physicals and the processing of paperwork.

TANGIPAHOA PARISH RURAL FIRE # 2
POSITION RATIFICATION FORM

This form is to be used for all position replacements or additions. Any change to the job description for this position may be forwarded with this form.

Position Title: firefighter **Position Number:** _____

Location: ☐ **Kentwood** ☐ **Independence** ☐ **Husser** ☐ **Wilmer**

☒ **Loranger** ☐ **Natalbany** ☐ **Hammond** ☐ **Ponchatoula**

☐ **8th Ward (Robert)** ☐ **Manchac** ☐ **Other** _____

Position Information: Replacement For: _____

Is the Job description current? ☒ **Yes** ☐ **No**

Payroll Mode:

Status: Employment Category
☒ **Reg F/T**
☐ **Reg P/T**
☐ **Temp F/T**
☐ **Temp P/T**

Hours per week: 48

Days per week: _____

☒ **Biweekly**

☐ **Monthly**

FLSA Status: ☐ **Exempt (Salary)** ☒ **Non Exempt (Hourly)**

Approvals:

Chief: Justin Morel Date: 1/15/2024

Fire Board President: _____ Date: _____

Administrator: _____ Date: _____

New Position Information: **Complete this form before attending Fire Board meeting to request approval to ratify position.**

Name of Person: (please print) Robert Barrilleaux Date: 1/15/2024

Compensation: $10.00 ☒ Per hour ☐ Per Year ☐ Other: _____ Start Date: 2/1/2024

Start date should be the beginning of a pay period. This allows enough time to schedule drug screens, physicals and the processing of paperwork.

TANGIPAHOA PARISH RURAL FIRE # 2
POSITION RATIFICATION FORM

This form is to be used for all position replacements or additions. Any change to the job description for this position may be forwarded with this form.

Position Title: Firefighter **Position Number:**_____

Location: ☐ **Kentwood** ☐ **Independence** ☐ **Husser** ☐ **Wilmer**

☒ **Loranger** ☐ **Natalbany** ☐ **Hammond** ☐ **Ponchatoula**

☐ **8th Ward (Robert)** ☐ **Manchac** ☐ **Other** _____

Position Information: Replacement For:_____

Is the Job description current? ☒ **Yes** ☐ **No** **Payroll Mode:**

Status: Employment Category
☐ **Reg F/T**
☒ **Reg P/T**
☐ **Temp F/T**
☐ **Temp P/T**

Hours per week: 32

Days per week:_____

☒ **Biweekly**

☐ **Monthly**

FLSA Status: ☐ **Exempt (Salary)** ☐ **Non Exempt (Hourly)**

Approvals:

Chief: Justin Morel Date: 1/15/2024

Fire Board President: _____ Date:_____

Administrator:_____ Date:_____

New Position Information: Complete this form before attending Fire Board meeting to request approval to ratify position.

Name of Person: (please print) Justin Everett Date: 1/15/2024

Compensation: $11.00 ☐ Per hour ☐ Per Year ☐ Other:_____ Start Date: 2/1/2024

Start date should be the beginning of a pay period. This allows enough time to schedule drug screens, physicals and the processing of paperwork.

State of Louisiana

Bureau of Emergency Medical Services

In accordance with Louisiana R.S. § 40:1231 - 1232 hereby

Certifies That

JUSTIN LEMAR EVERETT

LOUISIANA DEPARTMENT OF HEALTH
Bureau of Emergency Medical Services

As a Licensed EMS Practitioner

Emergency Medical Responder

License Number

LA23-6188

Expires On

09/30/2026

Susan F Bailey

SUSAN F. BAILEY, DIRECTOR

Information above current as of 1/15/2024 which may not reflect more recent disciplinary action; to check current license status or restrictions, please search licensee at https://labems.ldh.la.gov/searchLicense.aspx.'

TANGIPAHOA PARISH RURAL FIRE # 2
POSITION RATIFICATION FORM

This form is to be used for all position replacements or additions. Any change to the job description for this position may be forwarded with this form.

Position Title: firefighter **Position Number:**_____

Location: ☐ **Kentwood** ☐ **Independence** ☐ **Husser** ☐ **Wilmer**

☒ **Loranger** ☐ **Natalbany** ☐ **Hammond** ☐ **Ponchatoula**

☐ **8th Ward (Robert)** ☐ **Manchac** ☐ **Other** _____

Position Information: Replacement For:_____

Is the Job description current? ☒ **Yes** ☐ **No**		**Payroll Mode:**
Status: Employment Category	**Hours per week:** _____	☒ **Biweekly**
☒ **Reg F/T**		
☐ **Reg P/T**	**Days per week:**_____	☐ **Monthly**
☐ **Temp F/T**		
☐ **Temp P/T**		
FLSA Status: ☐ **Exempt (Salary)** ☐ **Non Exempt (Hourly)**		

Approvals:

Chief: Justin Morel Date: 1/15/2024

Fire Board President: _____ Date:_____

Administrator: _____ Date:_____

New Position Information: Complete this form before attending Fire Board meeting to request approval to ratify position.

Name of Person: (please print) Joshua Prevost Date: 1/15/2024

Compensation: $10.00 ☒ Per hour ☐ Per Year ☐ Other:_____ Start Date: 2/1/2024

Start date should be the beginning of a pay period. This allows enough time to schedule drug screens, physicals and the processing of paperwork.

State of Louisiana

Bureau of Emergency Medical Services

In accordance with Louisiana R.S. § 40:1231 - 1232 hereby

Certifies That

JOSHUA EDWARD PREVOST

LOUISIANA DEPARTMENT OF HEALTH
Bureau of Emergency Medical Services

As a Licensed EMS Practitioner

Emergency Medical Responder

License Number

LA23-6401

Expires On

09/30/2026

Susan F Bailey

SUSAN F. BAILEY, DIRECTOR

Information above current as of 1/9/2024 which may not reflect more recent disciplinary action; to check current license status or restrictions, please search licensee at https://labems.ldh.la.gov/searchLicense.aspx.'

TANGIPAHOA PARISH RURAL FIRE PROTECTION DISTRICT NO. 2

P. O. BOX 818 • AMITE, LOUISIANA 70422
(985) 748-2277
FAX (985) 748-2301
Email: datkins@tangipahoa.org

ADMINISTRATOR
DAVID ATKINS

January 10, 2024

Mr. Louis Joseph, President
And Board of Commissioners
Tangipahoa Parish Rural Fire Protection District No. 2
Amite, Louisiana

RE: Annual Report of Compliance with Sexual Harassment Policy
Reporting Period January 1, 2023 through December 31, 2023
Filed as Required by Louisiana Revised Statutes 42:344(A)

Dear Mr. Joseph and Board Members:

The following Annual Report of Compliance with the Sexual Harassment Policy for the period January 1, 2023 through December 31, 2023, is being filed as required by Louisiana R.S. 42:344(A).

1. The number and percentage of public servants in his agency who have completed the training requirements.
   1 100%
2. The number of sexual harassment complaints received by his agency.
   None
3. The number of complaints which resulted in a finding that sexual harassment occurred.
   None
4. The number of complaints in which the finding of sexual harassment resulted in discipline or corrective action.
   None
5. The amount of time it took to resolve each complaint.
   None

This report is a public record and available to the public in the manner provided by the Public Records Law.

Respectfully submitted,

Tangipahoa Parish Rural Fire Protection District No. 2

David Atkins, Fire Administrator

Dennis E. James, CPA
Lyle E. Lambert, CPA
Paul M. Riggs, Jr., CPA
J. Bryan Ehricht, CPA
Megan E. Lynch, CPA
B. Jacob Steib, CPA

JAMES LAMBERT RIGGS & ASSOCIATES, INC.
CERTIFIED PUBLIC ACCOUNTANTS
www.jlrcpafirm.com

AICPA
Member of
American Institute of CPAs
Society of Louisiana CPAs

January 22, 2024

Accounting Services Agreement

Ms. Brigette Delatte Hyde, President
and Members of the Board of Commissioners
Tangipahoa Parish Rural Fire Protection District No. 2
Post Office Box 818
Amite, LA 70422

Dear Ms. Hyde:

We are pleased to confirm our acceptance and understanding of the services we are to provide for Tangipahoa Parish Rural Fire Protection District No. 2 for the three years ending December 31, 2024, 2025 and 2026. This letter is to confirm our understanding of the terms and objectives of our accounting services engagement and the nature and limitations of the services we will provide.

We will perform the accounting services described in detail in Exhibit A which will include that we prepare the monthly departmental financial statements of Tangipahoa Parish Rural Fire Protection District No. 2, which comprise the assets, liabilities and fund balance (cash basis) as of the end of each month January 2024 through December 2026, and the related statement of cash receipts and cash disbursements for each month and year-to-date for the period January 2024 through December 2026, for each fire department individually. We will also prepare the annual financial statements including related footnote disclosures as required by the independent auditor of the District as of and for the three years ending December 31, 2024, 2025 and 2026. For the monthly financial statements by fire department, management has elected to omit substantially all of the disclosures (and statement of cash flows) required by accounting principles generally accepted in the United State of America.

Our Responsibilities

The objective of our engagement is to:

1. perform the accounting services described in Exhibit A,

2. to prepare financial statements in accordance with accounting principles generally accepted in the United States of America based on information provided by you, and,

3. apply accounting and financial reporting expertise to assist you in the presentation of financial statements without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial statements in order for them to be in accordance with accounting principles generally accepted in the United States of America.

We will conduct our engagement in accordance with Statements on Standards for Accounting and Review Services (SSARSs) promulgated by the Accounting and Review Services Committee of the AICPA and comply with the all applicable professional standards, including AICPA's *Code of Professional Conduct*, and its ethical principles of integrity, objectivity, professional competence, and due care, when performing the bookkeeping services and preparing the financial statements.

We are not required to, and will not, verify the accuracy or completeness of the information you will provide to us for the engagement or otherwise gather evidence for the purpose of expressing an opinion or a conclusion. Accordingly, we will not express an opinion or a conclusion nor provide any assurance on the financial statements.

Our engagement cannot be relied upon to identify or disclose any financial statement misstatements, including those caused by fraud or error, or to identify or disclose any wrongdoing within the Company or noncompliance with laws and regulations. However, we will inform the appropriate level of management of any material errors and any evidence or information that comes to our attention during the performance of our procedures that fraud may have occurred. In addition, we will inform you of any evidence or information that comes to our attention during the performance of our financial statement preparation procedures regarding any wrongdoing within the District or noncompliance with laws and regulations that may have occurred, unless they are clearly inconsequential. We have no responsibility to identify and communicate deficiencies or material weaknesses in your internal control as part of this engagement.

We, in our sole judgment, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming manage responsibilities since performing those procedures to taking such action would impair our independence.

Your Responsibilities

The engagement to be performed is conducted on the basis that you acknowledges and understand that our role is the preparation of financial statements in accordance with accounting principles generally accepted in the United States of America. You have the following overall responsibilities that are fundamental to our undertaking the engagement to prepare your financial statements in accordance with SSARS:

1. The selection of accounting principles generally accepted in the United State of America as the financial reporting framework to be applied in the preparation of the financial statements.

2. The preparation and fair presentation of financial statements in accordance with accounting principles generally accepted in the United States of America and the inclusion of all informative disclosures that are appropriate for accounting principles generally accepted in the United States of America.

3. The design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error.

4. The prevention and detection of fraud.

5. To ensure that the District complies with the laws and regulations applicable to its activities.

6. The accuracy and completeness of the records, documents, explanations, and other information, including significant judgements, you provide to us for the engagement to prepare financial statements.

7. To provide us with-

    - Documentation, and other related information that is relevant to the preparation and presentation of the financial statements,

- Additional information that may be requested for the purpose of the preparation of the financial statements, and

- Unrestricted access to persons within the Company with whom we determine it necessary to communicate.

The financial statements will not be accompanied by a report. However, you agree that the financial statements will clearly indicate that no assurance is provided on them and that substantially all disclosures required by generally accepted accounting principles (GAAP) have been omitted.

You are responsible for all management decisions and responsibilities and for designating an individual with suitable skills, knowledge, and experience to oversee our accounting and financial statement preparation services. You are responsible for evaluating the adequacy and results of the services performed and accepting responsibility for such services. It is our understanding that you have assigned the fire administrator, currently Mr. David Atkins, as the person responsible to oversee our accounting and financial statement preparation services.

Other Relevant Information

Lyle E. Lambert, CPA is the engagement partner and is responsible for supervising the engagement.

Our fee for the accounting services will be as detailed in the attached Exhibit A. You may request that we perform additional services not contemplated by this engagement agreement. If this occurs, our fees for other accounting services will be billed at our standard hourly rates for the actual work performed by our staff. In the absence of any other written communication from us documenting such additional services, our services will continue to be governed by the terms of this engagement letter. Our invoices for these fees will be rendered each month as the work progresses and are payable upon presentation.

We appreciate the opportunity to be of service to you and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you acknowledge and agree with the terms of our engagement as described in this letter, please sign the enclosed copy and return it to us.

Sincerely,

James Lambert Riggs & Associates, Inc.

Lyle E. Lambert, CPA

Acknowledged:

Tangipahoa Parish Rural Fire Protection District No. 2

Client Acceptance:_____

Date:_____

Tangipahoa Parish Fire Protection District No. 2
Contract for Accounting Services
For the Period January 1, 2024 through December 31, 2026

Exhibit A

	Accounting services to be performed by James Lambert Riggs & Associates, Inc.:	Annual Amount
Annual Work		
1	Run QuickBooks Vendor 1099 Review report to search for missing federal id numbers	300.00
2	Prepare and mail Forms 1099-Misc for all vendors	400.00
3	Budget work (amendment and adoption)	1,200.00
4	Year-end close required for auditor	2,400.00
5	Work with independent auditor to provide information needed for audit	2,400.00
		6,700.00
Quarterly Work		
1	Prepare checks to disburse ad valorem tax, state revenue sharing and 2% fire insurance rebate to individual fire departments	600.00
2	Journalize activity from individual fire department (8) local bank accounts into the Fire District No. 2 QuickBooks for consolidated financial reporting and audit purposes.	4,800.00
3	Print QuickBooks Transaction Register for account "Equipment >$1,000 and copy invoices for fixed asset inventory control	200.00
4	Reconciliation of activity from individual fire department (8) local bank accounts into the Fire District No. 2 QuickBooks for consolidated financial reporting and audit purposes.	2,400.00
		$ 8,000.00
Daily Transaction Processing, Procedures and Controls:		
1	Date and time stamp all invoices received	2,600.00
2	Match each invoice to approved vendor list and remove invoice requiring vendor setup	2,600.00
3	Obtain signed Form W-9 from vendor and complete new vendor setup prior to payment	1,300.00
4	Input non-P.O. invoices into QuickBooks	7,150.00
5	Input P.O. invoices into QuickBooks and reconcile to P.O.	7,150.00
6	Print checks and stamp authorized check signer using dual control of automated stamp machine.	2,600.00
7	Print bank register report and submit stamped checks and register report to partner for review and approval.	7,800.00
8	Attach invoice to checks, attached window envelope and return to fire administrator and board of commissions for approval and mailing.	2,600.00
9	Attach check stub to paid invoice and file by check number	2,600.00
10	Stamp incoming receipts, assign budget code and enter into QuickBooks and make deposit	1,300.00
11	Prepare ACH origination for payroll reimbursements to fire departments.	2,600.00
12	Complete ACH approval for payroll reimbursements to fire departments once fire administrator approves ACH batch origination.	7,800.00
13	Record completed ACH payment in QuickBooks	2,600.00
13	Enter autodraft bills (recurring invoices) into QuickBooks	1,300.00
14	Record payment of autodraft bills in QuickBooks and print pay stub.	1,300.00
		$ 53,300.00
Monthly Transaction Processing Procedures and Controls (District Account):		
1	Obtain bank statements directly from bank and reconcile each bank account	780.00
2	Input bank balance to pledge collateral spreadsheet and test for adequacy	900.00
3	Input department "Pooled Cash" interest to Excel spreadsheet and allocate to individual departments	900.00
4	Print monthly reports by department to include:	
	Statement of net position by department	300.00
	Statement of revenues and expenditures by department	300.00
	Year-to-date budget vs actual report by department	300.00
	Monthly general ledger by department	300.00
5	Accountant review of financial statements	7,200.00
6	Partner review of financial statements	1,800.00
		12,780.00
Monthly Fixed Asset Transaction Processing Procedures and Controls:		
1	Print QuickBooks Transaction Register for account "Equipment >$1,000 for the month and match to vendor invoices	300.00
2	Add asset information to fixed asset inventory control	600.00
		900.00

Tangipahoa Parish Fire Protection District No. 2
Contract for Accounting Services
For the Period January 1, 2024 through December 31, 2026

Exhibit A

Accounting services to be performed by James Lambert Riggs & Associates, Inc.:			**Annual Amount**
	Total Annual Amount		*$ 81,680.00*
	Professional Discount	*21.6%*	*$ (17,680.00)*
	Fixed Fee Amount		*$ 64,000.00*
	Monthly Amount		*$ 5,333.33*
Preparation of annual financial statement including related footnote disclosures as required by the independent auditor.			*$ 12,000.00*

Accounting functions to be performed by Fire District 2 Personnel:

1. Obtain competitive quotes from vendors, when required to comply with the requirements of the public bid law
2. Prepare QuickBooks purchase orders for all non-recurring purchases and determine budget category and fire department to be charged
3. Stamp all regularly recurring invoices to document approval and determine budget category and fire department to be charged
4. Sign and mail all checks prepared
5. Present monthly financial reports to Fire Board
6. Assign pre-numbered tag to each asset purchased

TANGIPAHOA PARISH RURAL FIRE PROTECTION DISTRICT NO. 2
RESOLUTION 24-01

WHEREAS, Tangipahoa Parish Rural Fire Protection District No. 2 is responsible for facilitating fire protection for Parish residents outside of the municipalities; and

WHEREAS, areas outside of the municipalities rely on multiple volunteer fire departments for fire protection; and

WHEREAS, Tangipahoa Parish Rural Fire Protection District No. 2 wishes to provide funding to ensure adequate fire protection for its residents; and

BE IT RESOLVED, by the Board of Commissioners of the Tangipahoa Parish Rural Fire Protection District No. 2, approve and hereby authorized the TPRFP No. 2 Fire Administrator to execute documents on behalf of Tangipahoa Parish Rural Fire Protection District No. 2, the contract effective January 1, 2025, between Tangipahoa Parish Rural Fire Protection District No. 2 and the District Fire Departments, as attached hereto.

BE IT FUTHER RESOLVED, that this resolution shall become effective immediately upon signature of the Tangipahoa Parish Rural Fire Protection District No. 2 President and all previous resolutions in conflict with said resolution are hereby repealed.

On motion by ____and seconded by ____ the foregoing Resolution was hereby declared adopted on this day 22nd day of January, 2024 by the following roll-call vote:

YEAS:

NAYS:

ABSENT:

NOT VOTING:

ATTEST:

_____	_____
Jill DeSouge, Secretary TPRFPD No. 2	Brigette Hyde, President TPRFPD No. 2

Tangipahoa Parish Rural Fire Protection District No. 2
Fire Contract

THIS AGREEMENT made and entered into this _____ day of _____, 202__, by and between **TANGIPAHOA PARISH RURAL FIRE PROTECTION DISTRICT NO. 2** a political subdivision of the State of Louisiana, duly authorized by resolution of Tangipahoa Parish Rural Fire Protection District No. 2, adopted at a meeting on the _____ day of _____ 2024, a certified copy of which is hereto annexed, hereinafter referred to as the "District"; the **TOWN OF KENTWOOD**, a political subdivision of the State of Louisiana, on behalf of the Kentwood Volunteer Fire Department; **INDEPENDENCE VOLUNTEER FIRE DEPT., INC**.; **HAMMOND RURAL FIRE DEPARTMENT, INC..; HUSSER VOLUNTEER FIRE DEPARTMENT, INC.; LORANGER VOLUNTEER FIRE DEPARTMENT, INC.; WILMER VOLUNTEER FIRE DEPARTMENT, INC.; THE NATALBANY VOLUNTEER FIRE DEPARTMENT, INC.; PONCHATOULA VOLUNTEER FIRE DEPARTMENT, INC.; EIGHTH WARD VOLUNTEER FIRE DEPARTMENT, INC.**; and **MANCHAC VOLUNTEER FIRE DEPARTMENT, INC**., non-profit corporations organized and existing under the laws of the State of Louisiana, hereinafter sometimes referred to singularly as "Fire Department" and/or collectively as "Fire Departments," herein appearing by and through their representatives, duly authorized by resolutions of the Fire Departments, certified copies of which are hereto annexed.

WITNESSETH:

That in consideration of the mutual covenants and agreements herein contained, the parties hereto mutually agree as follows:

-1-

Prior approval from the Fire Administrator of the District must be obtained for all expenditures through a purchasing system which has been adopted by the Board of Commissioners of the District.

All additions or other changes to personnel shall be ratified in accordance with the annual budget adopted by the Board of Commissions of the District for each fiscal year. Any purchases of real property or equipment and/or expansion or repairs to existing facilities, with a cost in excess of $10,000.00, shall be approved by the District, prior to any such funds being expended.

All equipment, having a purchase price in excess of $999.00, shall be tagged with a TPRFPD No. 2 inventory tag. Additionally, any and all District equipment shall be properly tagged and marked. Under no circumstances shall the inventory tags be altered or removed, in any manner. All vehicles, equipment, and property purchased with District funds shall have the appropriate and distinctive District logo applied and shall be the considered the property of TPRFPD No. 2. An inventory list, as of December 31st of each previous year, shall be provided to the District no later than January 31st of the following year. The information to be provided shall contain the following: Sufficient item description, location of each item, tag number, date acquired and purchase price.

HazMat funds will be used exclusively for the purpose of education, physicals, and purchasing equipment for the hazardous material team of the Hammond Fire Department.

All insurance which deemed necessary by the District including, but not limited to workman's compensation, general liability and liability on and physical damage to vehicles, shall be purchased and maintained by the District. All insurance policies must be in the name of Tangipahoa Parish Rural Fire District No. 2 as the owner on all vehicles, equipment, and property policies.

The District shall administer funds and maintain the accounting records of all Fire Departments contracted with it (District).

Each department contracted with the District shall administer their own payroll, with each Fire Department maintaining its own payroll checking account. Each individual Fire Department shall be reimbursed for its payroll expenses. All payroll documents shall be provided to the District, including bank reconciliations, payroll registers, time cards, etc. Payroll expenses will not be reimbursed for any position that has not been ratified by the Board of Commissioners of the District.

-2-

Each department shall submit a budget to the District on an annual basis following the procedures set forth in the District's Policies & Procedures Manual. Said budget shall include all

anticipated expenses for the following year.

-3-

The District shall vote to approve each department's operating budget. Upon approval, the District shall fund the department's operating budget. At any point during the fiscal year, should any department require additional funding, a request shall be made in writing to the Fire Board Administrator for approval.

-4-

The undersigned Fire Departments, including municipal departments, agree and bind themselves to respond to any and all calls in their respective areas of responsibility, as indicated on the map and/ or legal description attached hereto and made a part hereof, to render mutual aid as necessary and as previously agreed upon by the parties involved. A copy of each Fire Department's mutual aid agreements shall be on file at the District office.

-5-

The use of the equipment and supplies shall be exclusively limited to the prevention and termination of fires and the providing of emergency services.

-6-

The primary responsibility of each Fire Department is the prevention and termination of fires which pose a threat to life or property and the providing of emergency services within its area of responsibility as shown on the attached map and/ or legal description. The secondary responsibility of each fire department contracted with Tangipahoa Parish Rural Fire District No. 2 is to obtain and maintain the best PIAL rating available for each Department and to expend the funds necessary to do so. The third responsibility is to respond to any and all calls for assistance from any of the other Fire Departments in the District.

-7-

EMPLOYMENT - All applicants seeking employment with any Fire Department, contracted with the District, shall apply directly to the respective Fire Department. The application process shall include a thorough background check, drug and alcohol testing, prior to being considered for employment, in accordance with the requirements contained in the Policy and Procedures Handbook. Written evidence reflecting that each prospective employee was advised that prior to consideration for employment, he/she must submit to and pass a background check, physical, and drug and alcohol testing, shall be forwarded to and maintained by the District. No applicant, who tests positive for illegal substances and/or alcohol, shall be considered for employment. Consideration of any applicant, who has been arrested, charged and/or convicted of any criminal act, designated as a misdemeanor or felony under federal state or local law, shall be at the discretion of the District Board. All applications approved by the respective Fire Departments must be ratified by the District.

Effective July 1, 2013, any and all new employees of a Fire Department contracted with Tangipahoa Parish Rural Fire Protection District No. 2 shall be required to obtain an IFSAC Firefighter 1 certification, within 18 months of date of hire. All current employees of a Fire Department contracted with Tangipahoa Parish Rural Fire Protection District No. 2 shall be required to obtain IFSAC Firefighter 1 certification by July 1, 2015 (24 months). Any requests for an extension of this requirement shall be reviewed by the Administrator, and approved by the Board. These certifications are not applicable for volunteer members although it is encouraged for all members to obtain IFSAC Firefighter 1 certification. Anyone hired by a paid fire department contracted with Tangipahoa Parish Rural Fire Protection District No. 2 prior to 1986 with no break in service shall be exempt from the IFSAC Firefighter 1 certification requirement. All current employees of a Fire Department contracted with Tangipahoa Parish Rural Fire Protection District No. 2 shall also maintain a minimum of emergency medical responder certification.

Employees of any Fire Department shall comply with all State and Federal laws and the Louisiana Code of Ethics, and shall be required to complete all ethics training and sexual harassment as required by law.

Any and all employees sustaining injuries shall be immediately transported to a hospital for drug and alcohol testing and clearing by a physician. Any and all documentation, regarding accidents and injuries including, but not limited to, accident reports and drug and alcohol testing results, are to

be forwarded to the Administrator of the District.

-8-

All departments contracted with the District shall be required to strictly comply with the policies and procedures adopted by the Board of Commissioners of the District. All matters related to District shall be handled by the Fire Administrator

If an individual Fire Department does not take timely action against its members and/or volunteers who have violated the adopted policies and procedures, the violation(s) shall be immediately reported to the Administrator and forwarded to the Board of Commissioners of the District. After an investigation has been completed, the District board will render a final decision, which shall be binding upon all Fire Departments in its jurisdiction.

-9-

All paid members of any Fire Department, who have contracted with the District, shall be subject to random drug and alcohol testing. Thereafter, if a test confirms the presence of .04% alcohol, of any other intoxicant or mind altering and/or illegal substance in the body, the employee shall be terminated. Any fees incurred for such drug and alcohol testing shall be the responsibility of the individual Fire Department. Cutoff levels for each drug and alcohol will be those established by federal guidelines and are to be considered as fair and decisive for positive testing.

A copy of all such drug and alcohol test results shall be submitted to the District, and the testing results shall remain confidential and shall only be released **upon receipt of a subpoena or in connection with any hearing regarding employment.**

-10-

This contract shall become effective upon execution of the Fire Departments of the District. Each department agrees in consideration for the above, at any time during the term of this contract, the District can request an alteration or addition to this contract. Upon request, each department shall have one vote to accept or decline the requested alteration. Any alteration or addition requested by the District shall go into effect upon an affirmative vote of a majority of the departments.

-11-

Attachment No. 1 - Hammond Rural Fire Department Amendment, Attachment No. 2 – Town of Kentwood on behalf of the Kentwood Volunteer Fire Department, Attachment No. 3 - Cooperative Endeavor Agreement by and between the Independence Volunteer Fire Department, Inc., the Tangipahoa Parish Rural Fire Protection District No. 2, Attachment No. 4 - The Tangipahoa Parish Rural Fire Protection District No. 2, and the Village of Tickfaw, and, Attachment No. 5 - The Tangipahoa Parish Rural Fire Protection District No. 2, and the Village of Tangipahoa shall become a part of this contract.

-12-

The term of this contract shall be from January 1, 2025 through December 31, 2029.

TANGIPAHOA PARISH RURAL FIRE PROTECTION DISTRICT NO. 2

BY: _____ **_____**
David Atkins, Fire Administrator

_____

PONCHATOULA VOL. FIRE DEPARTMENT, INC.

BY:_____ **_____**
Chief Stormy Joiner

_____

NATALBANY VOL. FIRE DEPARTMENT, INC.

BY:_____ **_____**
Chief Donnie Starkey

KENTWOOD VOL. FIRE DEPARTMENT

BY:_____
Chief Gerald Grifith

TOWN OF KENTWOOD

BY:_____
Mayor Irma Gordon

INDEPENDENCE VOL. FIRE DEPARTMENT, INC.

BY:_____
Chief John Polito

HUSSER VOL. FIRE DEPARTMENT, INC.

BY:_____
Chief Dale Vernon

LORANGER VOL. FIRE DEPARTMENT, INC.

BY:_____
Chief Justin Morel

WILMER VOL. FIRE DEPARTMENT, INC.

BY:_____
Chief Timothy Verbene

MANCHAC VOL. FIRE DEPARTMENT, INC.

BY:_____
Chief George Coxen

EIGHTH WARD VOL. FIRE DEPARTMENT, INC.

BY:_____
Chief David Byers

HAMMOND RURAL FIRE DEPARTMENT, INC.

BY:_____
Chief Paul Collura