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"It's a Weis Choice"

WEIS FIRE QUICK ATTACK 400RM
SEGUIN FIRE, TX
Revised April 10, 2025

CHASSIS

2024 Ford F-450 Super Duty Chassis
Ford Race Red
Extended Cab
4 X 4
179" WB
60" CA
7.3L gasoline engine
10-speed automatic transmission
Air Conditioning
Cruise control
XL trim
Preferred Equipment Package
Power windows
Power door locks
Power mirrors
Heated mirrors
Vinyl high back bucket seats 40/20/40 split seat
AM/FM / MP3 /Clock
LT225/70R 19.5 Max Trac Tires
Heavy Duty Front Suspension
16,500 GVWR
4.88 limited slip rear end
Dual Battery
410 Amp Alternator
120V / 400 Watt Dash Outlet
Dual Steering Stabilizer

There shall be a custom Heavy Duty Weis Step bars to provide ease of access to the cab area. Step bars will be attached to the frame rails.

OEM tires and wheels will be changed to a Super Single wheel package consisting of the following:
- Five (5) Continental 335/80 R20 MPT 81 41” tires
- Five (5) custom aluminum wheels
- All wheels to have a Black anodized finish
- All Tires / Wheels to be match mounted and dynamically balanced.
- 3.5” front lift kit, and a 5.0” rear lift Kit shall be installed to fit the larger tires.
- Rad Flo front and rear shocks with external reservoir
- Narrow sway bar to eliminate tire rub
- Adjustable Track bar
- Front axle bump stops
- Rough County Heavy Duty Dual Steering Stabilizers shall be provided to prevent steering shake
- The rear lift kit shall be constructed of a solid steel block.
- New rear U-Bolts will be provided. OEM U-bolts shall not be used in the construction of this apparatus.
-Front end re-aligned after installation of lift system.
-Speedo re-calibration.
-The original plastic front fender flares shall be removed and replaced with custom bolt on 7” W fender flares. These fender flares shall be coated with spray on bed liner material.
- Spare to be mounted on top of tank.

TANK
The tank shall have a capacity of 400 gallons.
The tank shall include the following features:
Fill tower with removable screen
Sump with anti-swirl plate and drain fitting
3.0" vent and overflow pipe
1.5" refill fitting
3.0" tank suction
Liquid level sight gauge

The outside of the tank shall be black.

Mounting strips shall be molded to the bottom of the tank to allow mounting to the aluminum fire body.

There shall be a 10-gallon integral foam cell.

There shall be a FRC Tank Vision Pro water level indicator on the rear pump panel and a mini level indicator in cab.

The tank shall have a lifetime warranty. A copy of the warranty shall be provided with the apparatus.

The tank to pump line shall be operated at the rear of the apparatus.

REAR MOUNT PUMP CONTROLS
All pump controls shall be provided at the rear of the apparatus. The rear mount pump panel will have all pumping functions.

The tank to pump line shall be operated at the rear of the apparatus.

The pump panel shall be constructed of .125” smooth aluminum and shall have a textured black powder coat finish.

The pump panel shall be provided with an LED panel light.

Each discharge shall be properly function labeled.

REMOTE START/STOP THROTTLE CONTROLS
There shall be an electronic start/stop/throttle controls for the gas fire pump located inside the cab on the custom aluminum console and at the top mount control panel.

There shall be a Class 1 2.5” liquid filled discharge gauge with red LED backlight located inside the cab on the custom aluminum console.

There shall be an FRC Tank Vision Pro mini water level indicator on the custom aluminum console.

PUMP
The pump shall be a Hale model HPX200-H20 powered by a 20HP Honda Gasoline engine with the following features:

4” victaulic suction inlet
2.5" NPT outlet with four (4) bolt flange
Electric start
Pump panel
2.5" master gauge
Throttle control
Choke
Electric primer controls
Low oil pressure light

The pump shall be located at the rear of the apparatus, mounted on the aluminum fire body.

The pump motor shall be plumbed to the chassis fuel system.

An auxiliary fuel pump with one-way check valve shall be provided in the fuel supply plumbing between the chassis’ fuel cell and fire pump.

PLUMBING
All plumbing shall be heavy duty **welded stainless steel plumbing**. When necessary, high pressure hose shall be used with stainless steel fittings. **The stainless steel plumbing shall have a Ten (10) year warranty.**

A 4.0" square manifold shall be utilized. All discharges shall be plumbed from this manifold.

The manifold shall have one (1) 2.5” Victaulic fitting for the 2.5” plumbing from the pump.

The manifold shall have three (3) 1.5" 4-bolt flanges, one (1) for the 1.5" pre-connect, one (1) that shall serve as the supply discharge for the front walkway whip lines and one (1) shall serve as the supply discharge to the front bumper 1.5” hose tray.

The manifold shall have one (1) 1.0" 4-bolt flange for the booster reel.

The plumbing shall be plumbed for a Trident ATP 1.0 Foam System.

The entire discharge plumbing system shall be hydrostatically tested to 300 psi for two minutes prior to installation. This is to ensure that the entire plumbing system will not leak and to ensure the safety of all fire department personnel.

The discharge plumbing from the pump to the manifold will be plumbed with 2.5" pipe.

There will be one (1) 1.5" discharge plumbed to the pre-connect hose tray with a 1.5" brass swivel to allow the hose to be pulled to either side of the apparatus.

There will be a 1.5” discharge plumbed to the front walkway area that shall serve as the supply plumbing for the front walkway whip lines. This discharge shall terminate with a gated wye valve.

All discharge valves shall be heavy duty, full flow, fire service quality quarter turn ball valves.

The tank to pump line shall be plumbed with 2.5" plumbing. A wire reinforced flexible connection shall be used to provide ease of service and to reduce vibration.

The tank to pump valve shall be a 2.5" heavy duty, full flow, fire service quality quarter turn ball valve.

There shall be a 2.5" suction with a 2.5" plug and chain. The suction shall be gated with a 2.5” NH Hydrant gate valve.

NOTE: Only Akron full flow quarter turn ball valve shall be used for suction and discharge lines. All valves shall have the Akron TSC handle

The 1.0" tank fill and recirculating line shall utilize a 1.0" stainless steel gate valve.

There shall be two (2) 5' x 1.0" forestry hose whip lines provided at the front walkway area, connected to the gated wye valve with two (2) TFT 1.0" QuadraFog 5-10-24-40-60 GPM adjustable gallonage nozzles with pistol grips.

Each nozzle shall have a nozzle clip.

FOAM SYSTEM SPECIFICATIONS

A Trident 'Foamate' Model #31.008.0 ATP-1.0 Class A around-the-pump foam system shall be installed. The foam housing shall be of brass construction; due to the high reliability factor, a plastic housing construction shall not be acceptable. The ATP foam system shall be factory calibrated and certified to meet applicable NFPA standards. The unit shall have the ability to turn the foam flow "on and off" without changing the water or foam proportioning settings.

BOOSTER REEL

A Hannay heavy duty electric rewind booster reel will be provided with 150' of 1.0" red rubber booster hose with aluminum couplings.

The booster reel shall be located on passenger rear corner of the fire body. The booster reel shall be painted black.

One (1) TFT 1.0" QuadraFog 5-10-24-40-60 GPM adjustable gallonage nozzle with pistol grip will be provided.

The booster reel shall be plumbed with high pressure hose with stainless steel fittings.

The booster reel will be provided with one (1) rewind switch located at the booster reel.

The booster reel shall be provided with a single chrome hose roller and spool assembly.

A 40 amp circuit breaker will be provided for the booster reel.

GROUND SWEEP NOZZLES (4)

There shall be two (2) ground sweep nozzles provided at the front of the apparatus, located one (1) at the driver front corner and one (1) at the passenger front corner.

There shall be two (2) ground sweep nozzles provided at the mid body of the apparatus, located one (1) at the driver walkway ladder step and one (1) at the passenger walkway ladder step.

Each nozzle shall be supplied by one (1) KZCO stainless steel electric valve.

There shall be four ground sweep nozzles switches located on the center console located in the cab.

WEIS FIRE QUICK ATTACK BODY
The fire body shall be constructed entirely of heavy duty **extruded aluminum and will have a TEN (10) year structural warranty.**

The perimeter of the body shall be constructed of a heavy duty 6061T5 custom aluminum extrusion. The deck plate shall be stitch welded on the bottom side of the extrusion.

The cross members shall be 2.0" x 4.0" 6061T6 extruded aluminum tube on 12" centers for rigidity and longevity. There shall be no less than eight (8) aluminum 2.0” x 4.0” extruded aluminum cross members

The sills shall be 6.0" steel channel.

The body sills shall be mounted to the frame utilizing a 6-point mounting system.

There shall be .125" aluminum diamond plate covering the entire upper surface of the body.

The fire body shall be 108" long x 96" wide.

There shall be a 20" walkway between the cab and the Weis Fire Attack firefighting unit.

There shall be a recessed step well on each side of the walkway. Each step well shall be approximately 21" D x 21" W.

Located at the entrance to the walkway shall be swing in gates on each side. Each gate shall have a stop that will not allow the gate to swing out when they automatically close. **THIS IS NOT AN NFPA 1906 COMPLIANT SYSTEM – NFPA EXCEPTION WAIVER WILL NEED TO BE SIGNED**

Each gate shall be 42"H and will be constructed of 1.0" x 2.0" extruded aluminum tube.

Each gate shall be hinged on the headache rack and the stop rail shall be a 2.0" x 2.0" extruded aluminum tube.

The outsides of the gates shall be covered with .125” aluminum diamond plate.

There shall be non slip NFPA under body ladder style steps located on each front corner of the apparatus to allow access to step well and walkway.

There shall be a headache rack at the front of the body that will also serve as a light bar mounting platform.

The headache rack shall be constructed with 2.0” x 2.0” extruded aluminum tubing and will have .125” aluminum diamond plate covering the bottom half on the front and back sides and expanded aluminum on the top half.

The light bar platform shall be constructed of 1/4" aluminum plate shall be properly gusseted. The light bar platform shall be 14" x 75".

There shall be an area approximately the size of the rear cab window that will be covered with expanded aluminum that will allow the driver to view the walkway.

A 96" D x 30" W x 5.5" H tool compartment at the rear of the apparatus with a horizontally hinged, drop down door shall be provided.

This compartment shall be provided with a rear storage pull out tray for department supplied suction hose, shovels, brooms, rakes, etc.

There shall be two (2) sweep-out style compartments with two (2) lift up doors located on one (1) on each side of the fire body.

Dimensions for the passenger side compartment shall be approximately 60" W x 30" H x 18" D.

Dimensions for the driver side compartment shall be approximately 60" W x 30" H x 18" D with an aluminum divider between.

The L-2 compartment shall have an adjustable shelf.

The compartment door handles shall be D style slam latches.

The body of the compartments shall be constructed of .125" aluminum diamond plate.

The doors shall be constructed of .125” smooth aluminum painted red to match the chassis.

The L-1 and R-1 compartments shall each be large enough to contain an SCBA in walkway brackets.

Each compartment and adjustable shelf shall have Dri-Dek tiles.

Each upper body compartment shall be provided with LED compartment lights that shall automatically come on when the compartment door is opened.

The upper body compartment doors shall be wired to an open door warning light and alarm that shall be located in the cab.

The open door warning light shall be activated anytime a compartment door is open.

The open door warning light AND alarm shall be activated anytime a compartment door is opened and the chassis' transmission is shifted out of park.

There shall be one (1) pre-connect hose tray constructed of slotted smooth aluminum with a textured black powder coat finish. It shall be located on top of the driver side upper body compartment. It shall be approximately 60" W x 6" H x 17" D.

There shall be one (1) dunnage box constructed of slotted smooth aluminum with a textured black powder coat finish. It shall be located on top of the passenger side upper body compartment. It shall be approximately 60" W x 6" H x 17" D.

The hose tray and dunnage box shall be provided with a black vinyl cover with nylon webbing ends, allowing for rapid hose line deployment.

There shall be an underbody fender panel that runs from the walkway to the rear of the fire body on each side. The panels shall be constructed of polished .125 aluminum diamond tread plate. The wheel well openings will be cut out to conform to the wheels. The panel behind the rear wheels shall be angled to allow for clearance.

There shall be a full width x 6" D custom designed heavy-duty rear bumper. It shall be constructed of steel with a textured black powder coat finish. The top stepping surface shall have NFPA embossed diamond plate. The corners shall have 45° angels.

There shall be a rear receiver hitch and two (2) tow shackles integrated into the rear step.

The rear of the truck shall have be a flat back design.

The rear of the apparatus shall have two (2) pull-out, drop-down rear steps. This design allows for greater departure angle.

All stop, turn, back up, corner, and DOT lights shall be provided. All lights shall be LED.

A flush mounted fuel fill hole with be provided for one fuel tank.

The fuel fill shall be located on the body next to the pump in a vertical manner to facilitate easy filling of the fuel tank. It shall NOT be located on the side of the body.

An "GASOLINE" label shall be provided next to the fuel filler cap.

Mud flaps shall be installed behind the rear wheels. The mud flaps shall say “KEEP BACK 500 FEET”.

FRONT BUMPER
There shall be a custom designed heavy duty full replacement front end bumper provided on the apparatus.

The bumper shall have a hose tray with a 1.5” NH discharge, 90° swivel and 1.5” Akron valve. The hose tray shall have capacity for 25’ x 1.5” flat lay hose.

The bumper shall have an integral receiver hitch.

The bumper shall have an integral speaker mount in the grille.

The front of the bumper shall have a red / lime yellow chevron.

The bumper shall have a black textured Powder Coat finish.

BACK UP CAMERA
There shall be one (1) extreme duty back up camera mounted flush in the rear pump panel. The back up system shall include a 7” monitor dash mounted.

HyperSight HS-160R Kit
See through smoke, fog even in total darkness! HyperSight is a Driver Vision Enhancement Thermal Imaging Camera (TIC) that will is vehicle mounted to easily identify hotspots and address areas more prone to rekindle. The HyperSight wireless system shall utilize the backup camera 7.0” Monitor screen. The HyperSight thermal imaging camera shall be mounted to the top center of the front bumper.

WINCH
There shall be a Ramsey QM9000 portable winch provided with receiver tubes and electrical quick connects located at the front and rear of the apparatus.
THE WINCH SHALL HAVE NYLON CABLE IN LIEU OF STEEL

ELECTRICAL
The entire wiring system shall be entirely composed of high grade commercial quality wiring harnesses that shall be color coded and function coded throughout.

An electrical sub panel shall be located behind the passenger seat.

The apparatus’ wiring harnesses shall be connected to the electrical sub panel utilizing Deutsch connectors.

There shall be a master disconnect switch provided, located inside the cab on the floorboard next to the driver side door.

A wiring diagram shall be provided with the apparatus.

At the rear of the truck there shall be a 7-PIN electrical connection for a trailer.

The electrical system shall have a five (5) year warranty.

APPARATUS BATTERY CHARGING SYSTEM

The apparatus shall be provided with a Kussmaul Auto Charge 1000 battery charging / conditioning system with auto eject plug and battery status indicator.
The auto eject plug and battery status indicator shall be mounted in the fire body extrusion.

EMERGENCY LIGHTING SYSTEM

An emergency lighting system consisting of the following shall be provided.
A Whelen Freedom NFPA LED 56” LED light bar (red) shall be mounted on the headache rack located at the front of the fire body. The light bar shall include flashing take downs and alley lights.

Ten (10) Whelen ION Mini T-Series lights 1.5” x 3.34 LED (red) flashing lights shall be provided with chrome bezels. The LED lights shall be located as follows:

Two (2) at the front of the apparatus on side of front bumper push bars - Zone B / D
Two (2) at the front of the apparatus on front bumper grille - Zone A
Two (2) on the sides of the front fenders - Zone B, Zone D
Two (2) on the sides of the fire body - Zone B, Zone D
Two (2) at the rear of the apparatus - Zone C

There shall be two (2) Whelen L31HR LED beacon lights (red) at the rear of the apparatus on mounting brackets located on the rear of the tank - Zone C

The emergency lights shall be independently switched with a master switch ability.

A Whelen 295SLSA6 full function 100 watt siren shall be provided.

A Whelen SA315P 100 watt speaker shall be mounted at the front bumper.

A Whelen WBUA107 back up alarm shall be provided.

All emergency lights shall be controlled from the siren / switch module located inside the aluminum console.

A custom aluminum console shall be provided to house the siren/switch controls, mini water level indicator, dual cup holders, and customer supplied radio.

There shall be two (2) LED walkway lights in the walkway.

There will be three (3) LED work lights provided, mounted one (1) on each side of the headache rack facing the rear of the truck, and one (1) at the rear of the truck for nighttime operation and will be switched at the switch module in the cab.

There shall be one (1) LED underbody ground light under each step well, two (2) LED underbody ground lights at the rear of the apparatus, and one (1) LED underbody light located under each cab door. These lights shall be automatically activated when the chassis' transmission is shifted into park and shall automatically de-activate when the chassis' transmission is shifted out of park. These lights shall be LED.

AUXILIARY LIGHTING

There shall be one (1) 9" Hi-Viz LED mini brow light at the rear of the tank between the beacons. The light at the rear shall be wired to the reverse and have an on/off switch at the rear pump panel.

There shall be one (1) 20" Hi-Viz LED mini brow combo light mounted under the top rail of the front replacement bumper.

There shall be two (2) 31" Hi-Viz LED mini brow combo lights, Scene/Flood/Spotlights, one (1) each side above the side compartments. These lights shall be recessed flush into the dunnage trays.

The front bumper and upper body scene lights shall be independently controlled from switches located on the custom aluminum console inside the cab.

STRIPING

The apparatus shall be provided with a 4.0" Black Scotchlite reflective stripe on the chassis as per NFPA requirements.

There shall also be a 4.0" Black Scotchlite reflective stripe installed on the body side compartment.

There shall be a 3" Black Scotchlite reflective stripe in the extrusion.

Seguin Fire Department reflective logo shall be placed on the front driver and passenger doors.

SEGUIN FIRE DEPT. lettering shall be located on each side of the fire body extrusion.

There shall be red/yellow reflective Chevron striping provided on the rear of the fire body.

F.O.B. – Salina, KS

OPTIONS:

DIESEL CHASSIS **ADD TO THE BID PRICE $9,093.00**

2024 Ford F-450 Super Duty Chassis
Ford Race Red
Extended Cab
4 X 4
179" WB
60” CA
6.7L V8 Diesel engine
10-speed automatic transmission
Air Conditioning
Cruise control
XL trim
Preferred Equipment Package
Power windows
Power door locks
Power mirrors
Heated mirrors
Vinyl high back bucket seats 40/20/40 split seat
AM/FM / MP3 /Clock
LT225/70R 19.5 Max Trac Tires
Heavy Duty Front Suspension
16,500 GVWR
4.30 limited slip rear end
Dual Battery
410 Amp Alternator
120V / 400 Watt Dash Outlet

DIESEL PUMP **ADD TO THE BID PRICE $14,150.00**

The pump shall be a Hale model HPX200-KB24 powered by a 24hp Kubota diesel engine with the following features:

3.0" inlet
2.5" outlet with N.P.T. bolt on flange
Electric start
Pump panel
2.5" master discharge gauge
2.5” master suction gauge
Vernier throttle control
12-volt DC ESP primer
Low oil pressure light

Pump Performance:
100 GPM @150 PSI
175 GPM @ 100 PSI
250 GPM @ 50 PSI

The fuel supply for the fire pump shall be directly plumbed into the chassis fuel system and shall incorporate an auxiliary fuel pump and fuel line check valve.