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"It's a Weis Choice"

WEIS FIRE QUICK ATTACK 400RM
PROSPER FIRE
12/22/2025, Rev. 1

CHASSIS
2026 Ford F-550 Super Duty Chassis
Race Red
Crew Cab
4 X 4
203" WB
84" CA
6.7L Diesel engine
10-speed Automatic transmission
XLT trim
Electric windows
Electric door locks
40/20/40 Split Bench Seat
AM/FM Stereo / MP3 / Clock
19,550 GVWR
Payload Plus Upgrade
4.30 limited slip rear end
Engine block heater
Extra Heavy-Duty Front Suspension
Air conditioning
410 Amp Alternator
Dual Batteries
120V / 400 Watt Outlet dash mounted
High Capacity Trailer Tow
Spare tire/wheel to be mounted on the water tank.

CAB STEP BARS
There shall be custom step bars to provide ease of access to the cab. Step bars will be attached to the frame rails only. Steps that are attached to bottom of cab are NOT ACCEPTABLE.

The cab steps bars shall be constructed of 3” x 3/16” thick square tubing and the frame bracing shall be ½” x 3/16” square tubing. The front and rear door cab steps shall have a step surface of a minimum of 6” W x 18” L. The stepping surfaces shall be covered with NFPA compliant .125 embossed diamond plate. The steel steps shall be powder coated textured black.

TANK

The tank shall have a capacity of 400 gallons manufactured UPF.
The tank shall include the following features:
Fill tower with removable screen located at front left corner
Sump with anti-swirl plate and drain fitting
4.0" vent and overflow pipe
1.5" refill fitting
3.0" tank suction
Liquid level sight gauge located at rear of tank
2.5” Direct Tank Fill

The outside of the tank shall be black.

3-hole integral mount blocks shall be at the front and rear of the tank to allow mounting to heavy fire body.

A 10 gallon integral foam tank shall be provided with the fill tower on the right front corner.

There shall be an FRC Tank Vision LED tank and foam level indicator located on the rear mount panel and a mini FRC Tank Vision LED tank and foam level indicator located on the custom aluminum console in the cab.

The tank shall have mounting blocks located at each rear top corner for mounting of beacon lights.

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

IN CAB PUMP CONTROLS

There shall be remote start / stop engine controls for the fire pump located inside the cab on the custom aluminum console.

There shall be electronic choke controls for the fire pump located inside the cab on the custom aluminum console.

There shall be electronic throttle controls for the fire pump located inside the cab on the custom aluminum console.

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

There shall be mini FRC water and foam tank level indicators.

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 with a black textured powder coat finish.

The pump panel shall have an enclosed area for weather protection of electrical.

Any and all cables for the pump shall be sealed cables.

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

Each discharge shall be properly function labeled.

The pump panel shall have an enclosed boxed in area on the sides and rear of the panel to protect the electrical connections, Motor solenoid and cables from salt, mud and water.

PUMP
The pump shall be a Hale model HPX200-KB24 powered by a 24 hp 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
Electric throttle control
Primer controls
12-volt DC ESP primer
Low oil pressure light

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

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 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” fitting for the 2.5” plumbing from the pump.

The manifold shall have one (1) 2.0" fitting for the front monitor.

The manifold shall have two (2) 1.5" 4-bolt flanges, one (1) for the 1.5" preconnected hose tray and one (1) for the plumbing supply to the front of the fire body whip lines.

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

There shall be plumbing for the Foam Pro system.

There shall be two (2) automatic drain valves provided, one (1) for the monitor and one (1) for the whip lines. The drain valves shall automatically open when pump pressure drops below 5 psi.

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 a 1.5" discharge plumbed to the preconnected hose tray with a 1.5" brass swivel to allow the hose to be pulled to either side of the apparatus.

There shall be a 2.5” direct tank fill with stainless steel check valve at the rear of the apparatus. It shall terminate with a 2.5” chrome plug with chain.

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" gated suction with a 2.5" chrome plated plug and chain. A hydrant gate valve shall be provided on the 2.5” suction inlet.

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 and will be plumbed prior to the foam injection unit to keep foam from entering the booster tank.

There shall be two (2) 4' x 1” forestry hose whiplines provided at the front of the fire body, one (1) on the driver side and one (1) on the passenger side. Each whipline shall include one (1) TFT 1.0” QuadraFog® 5-10-24-40-60 GPM adjustable gallonage nozzle with pistol grip and Pac 1002 nozzle clip. Each whipline shall have a 1" Akron valve and a 90-degree swivel for ease of maneuvering.

There shall be a cleat located below the whipline to secure it during transport.

BOOSTER REEL

A Hannay heavy duty electric rewind reel will be provided with 200' of 1.0" Kocheck lightweight booster hose with aluminum couplings. The booster reel shall be located above the pump on a custom booster reel platform.

The booster reel shall be painted graphite gray.

One (1) TFT Bubble Cup DS1040BCP 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.

TFT TORNADO

A TFT Tornado with joystick control and electrically operated valve shall be located at the front of the apparatus with a 15-120 GPM adjustable gallonage nozzle. The electrically operated valve shall be stainless steel. A custom designed / fabricated full replacement front bumper shall be mounted on the front of the chassis and shall be the mounting platform for the Tornado.

The Tornado shall be plumbed with 1.5" high pressure flexible hose. The joystick shall be mounted to the front side of the custom aluminum console. The plumbing system for

the Tornado shall have one drain located at the mid-point of the chassis. The mid-point drain shall be an automatic drain that opens when line pressure drops below 5 psi.

FOAM SYSTEM
A Foam Pro 1601 Class A Foam system shall be provided and plumbed in a manner to not allow foam to be recirculated back into the water tank

Located inside the cab, on the emergency console, there shall be an on/off switch for the foam injection system. This will allow the foam system to be turned on or off from inside the cab.

The foam injection location shall be determined at a prebuild meeting.

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

The perimeter of the body shall be constructed of a heavy duty 6061T5 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 12.0" centers for rigidity and longevity. There shall be no less that ten (10) aluminum 2.0” x 4.0” 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 132" long, 96" wide.

There shall be 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 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 and 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.

A 120" D x 30" W x 5" H tool compartment at the rear of the apparatus with a horizontally hinged, drop down door shall be provided. This compartment shall provide

for underbody storage of department supplied shovels, brooms, rakes, etc. There shall be a lightweight aluminum pull out tray provided in this compartment.

There shall be one (1) transverse storage compartment with lift up doors, located on top of the flatbed, behind the cab, and in front of the upper body side compartments. The compartment shall be 24” W x 30” H x 96” L with two (2) slide trays, one to pull out each side on the bottom of the compartment.

There shall be one (1) sweep-out style compartment with two (2) lift up doors, located on the driver side of the fire body. Dimensions for the driver’s side compartment shall be approximately 84" W x 30" H x 23" D. The compartment shall include an aluminum divider, with an adjustable shelf in each side of the compartment.

There shall be one (1) sweep-out style compartment with two (2) lift up doors located on the passenger side of the fire body. Dimensions for the passenger side compartment shall be approximately 84" W x 30" H x 23" D. The R-3 compartment shall have an adjustable shelf.

The upper doors shall have D style slam latches. The doors shall have inner panels for strength and durability. The doors shall be .125 smooth aluminum plate and painted to match the chassis.

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

A coffin box shall be provided on top of each upper body compartment. The coffin boxes shall be constructed of .125 aluminum diamond plate. Overall dimensions are upper body width x 12” H x 17” D. Each compartment shall have a diamond plate lid that shall lift up and have pneumatic assist pistons, and a stainless steel piano hinge. The lid shall be secured with a butterfly style latch mechanism. The dunnage compartment shall have weep holes on the corners. Water shall not drain into the lower compartment.

There shall be a pre-connected hose tray mounted on top of the transverse compartments for up to 100' of 1.75" fire department supplied hose. The hose tray shall be provided with a black vinyl cover with nylon web ends.

The upper body compartments, coffin boxes and underbody boxes shall have LED compartment lighting that shall automatically activate when the compartment door is opened.

All upper body, coffin box and underbody box doors shall be wired to an open door warning light and alarm that shall be located inside the cab. The open door warning light shall automatically activate anytime a compartment door is open.

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

There shall be a cooler storage tray with an RTIC 30 Qt. cooler shall be provided on top of the water tank. The cooler tray shall measure approximately 30” L x 17” W x 13” H. The cooler storage tray shall be constructed of .125 aluminum diamond plate and provided with two straps and plastic buckles to keep the cooler stowed while the apparatus is in motion. Weep holes shall be provided to provide drainage.

There shall be two (2) underbody toolboxes provided, located one (1) on the left and one (1) on the right side of the apparatus, 16" H x 20" D x 30" W with drop down doors. Each compartment shall be mounted to the underside of the fire body between the front of the fire body and the chassis rear tires. Each compartment is to be constructed of .125" aluminum diamond plate. Each compartment shall have Dri-Dek tiles.

There shall be an underbody fender panel that runs from the under body compartments to the rear of the fire body on each side. The panels shall be constructed of.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.

A Flat Back rear body design shall be provided to provide the best possible angle of departure and ground clearance.

A rear receiver hitch shall be provided with a 7 Pin electric trailer connection.

All stop, turn, back up, corner, and DOT lights shall be provided. The stop, turn, and brake 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. A “Diesel” label shall be provided next to the fuel filler cap.

There shall be an 8’ x 6" deep rear step constructed of steel with a textured black powder coat finish. The step surface shall be covered in NFPA diamond plate and 45’d at the corners.

A receiver hitch and two (2) tow shackles shall be provided as an integral part of the bumper.

There shall be two (2) pull out and down steps provided at rear for pump access. When not in use the steps shall stowed under the rear bumper.

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

COMPRESSED AIR SYSTEM
There shall be a Viair compressed air system to blow out airlines, clean tools and add air to tires when out in the field.

FULL REPLACEMENT FRONT BUMPER
There shall be a Weis Fire custom designed heavy duty full replacement front end bumper provided on the apparatus. The bumper shall have a black textured Powder Coat finish. There shall be an integral platform with a 2" welded stainless steel nipple for installation of the TFT Tornado.

An integral siren mount will be located under the monitor platform.

An integrated 2" receive tube shall be a provided as part of the bumper for the portable winch.

WINCH
There shall be a Ramsey QM-9000 quick mount portable winch provided with receiver tubes and electrical quick connects provided at the front and rear of the apparatus.

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.
A wiring diagram shall be provided with the apparatus.

A 90 amp resettable circuit breaker shall be mounted under the bed at the right rear corner.

A 150 amp resettable circuit breaker for the electric primer shall be mounted under the bed at the right rear corner.

There shall be a 450 amp in line fuse wired directly off the batteries. This will supply power to all inline fuses and added electrical wiring.

There will be an inline fuse block installed within the custom aluminum console with a minimum of ten (10) fuses. The fuses will be ignition controlled and will be used for emergency lighting, the fire department supplied radio, and the siren.

A wiring diagram shall be provided with the apparatus.

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

BACK UP CAMERA
There shall be one (1) extreme duty back up camera system. The backup camera shall be provided with a 7.0” screen mounted in place of the rearview mirror.

APPARATUS CHARGING SYSTEM
There shall be a Kussmaul Auto Charge 1000 apparatus battery charging system provided on the apparatus with LED battery status display and auto-eject plug.
The LED battery status display and auto eject plug shall be located at the rear of the fire body.

SCENE LIGHTING
There shall be two (2) 9” Hi-Viz LED scene lights, one (1) located each side of the front monitor.

There shall be one (1) 20” Hi-Viz LED scene combo light provide at the rear mounted under the booster reel platform. The light at the rear shall be wired to the reverse and have an on/off switch at the rear mount pump panel.

There shall be two (2) 31” Hi-VIZ LED combo scene lights, one (1) each side above the upper body compartments. These scene lights shall be recessed flush into the side of the coffin box.

EMERGENCY LIGHTING SYSTEM
An emergency lighting system consisting of the following shall be provided.

A Whelen Freedom NFPA LED 55” LED light bar (red) with GTT 795H Opticom Emitter, takedowns and alley lights shall be mounted on the headache rack located at the front of the fire body.

Twelve (12) Whelen mini T-ION 1.5” x 3.3” LED, red, flashing lights shall be provided with chrome bezels. The LED lights shall be located:
- Two (2) at the front of the apparatus
- One (1) each side of the bumper push guard
- One (1) each side of the front fenders
- Two (2) each side of the fire body
- Two (2) at the rear

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.

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 107 dB back up alarm shall be provided.

All emergency lights shall be controlled from the siren / switch module.

A powder coated custom aluminum console shall be provided to house the siren/switch controls, in-cab pump controls, TFT Joystick, traffic advisor controller, dual USB C ports, dual cup holders and a customer supplied radio.

There shall be a computer laptop mount with extended bracket provided on the side of the console. Department to provide laptop make and model.

Weis to provide a radio faceplate and universal coax with the radio installation. Department to provide radio make and model, and if it is dash or remote mount.

Weis to install a customer provided Cradle Point system.

A Whelen LED TAC850 OEM Super LED Traffic Advisor shall be provided at the rear of the apparatus and shall have the controls located in the cab.

There will be two (2) LED work lights provided, mounted one (1) on each side of the headache rack facing 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.

The underbody ground lights shall also be wired to an override switch located on the switch panel, providing a means to turn off the lights if needed when the chassis is stationary and in "park". The rear underbody LED lights shall be activated when transmission is in reverse.

ALL forward flashing white lights shall AUTOMATICALLY cancel out when the chassis' transmission is placed into "park".

There shall be two (2) LED work lights provided at the rear of the tank for nighttime and filling operations. They shall be switched with the headache rack lights.

APPARATUS COMMUNICATION SYSTEM

There shall be a Fire Com 3-Person wireless apparatus intercom system provided. The Fire Com system shall have the following components:

- One (1) WB505R wireless base router
- One (1) Digital Radio Intercom
- One (1) Mobile Radio Interface (Department to supply radio information)
- Three (3) Under Helmet Radio Transmit Wireless Headsets With Base Stations And Chargers
- Four (4) Headset Hanger Hooks

An additional UH51 wired headset shall be provided with a HM10. It shall be wired to the wireless Intercom system and shall be a backup for the wireless headset.

LETTERING AND STRIPING

All apparatus custom lettering and striping shall match existing Fire Department apparatus.

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

ADDITIONAL EQUIPMENT

Two (2) SCBA brackets shall be provided and mounted in a location that is to be determined by the department. Location to be determined at a prebuild meeting.

F.O.B. – SALINA, KS