

Lighting Package

UPPER LEVEL WARNING DEVICES

The upper level shall be divided into zones A (front), B (officer's side), C (rear) and D (driver's side).

Zone A (front) shall have one (1) Whelen Freedom IV 72" Model F4N7QLED light bar, with fourteen (14) LED modules. The light bar shall have two (2) end red LED modules, two (2) corner red LED modules, eight (8) forward-facing red LED modules and two (2) forward-facing white LED modules. The light bar shall have all clear outer lenses. The light bar shall be installed on the cab roof as far forward as possible with two (2) MK8H 5" cast aluminum risers.

Zone B (officer's side) shall be covered by the module from the light bar and the rear beacon.
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Zone C (rear) shall have two (2) Whelen Model L31 LED beacons installed one (1) each side on the upper rear of the apparatus.

Zone D (driver's side) shall be covered by the module from the light bar and the rear beacon.

LOWER LEVEL WARNING DEVICES

The lower level shall be divided into zones A (front), B (officer's side), C (rear) and D (driver's side).

Zone A (front) shall have four (4) Whelen 600 series model 60*02F*R Super LED warning lights. The lights shall be installed two (2) each side on the front of the cab in the warning light housings.

Zone B (officer's side) shall have two (2) Whelen 600 series model 60*02F*R Super LED warning lights and one (1) Whelen ION T-Series TLI* Super LED warning light. The lights shall be installed one (1) near the front corner of the apparatus, one (1) near the rear axle, and one (1) near the rear corner of the apparatus.

Zone C (rear) shall have two (2) Whelen 600 series model 60*02F*R Super LED warning lights installed one (1) each side on the lower rear of the apparatus.

Zone D (driver's side) shall have two (2) Whelen 600 series model 60*02F*R Super LED warning lights and one (1) Whelen ION T-Series TLI* Super LED warning light. The lights shall be installed one (1) near the front corner of the apparatus, one (1) near the rear axle, and one (1) near the rear corner of the apparatus.

ADDITIONAL WARNING LIGHTS

There shall be two (2) additional pairs of Whelen 600 series model 60*02F*R Super LED warning lights installed on the apparatus above the front axle on the left and right side. In addition there will be a pair of Amber warning lights on the rear of the apparatus upper body corners below the scene lights.

ADDITIONAL WARNING LIGHTS

There shall be (2) additional Whelen ION T-Series TLI* LED warning lights installed on the apparatus Located in the forward area of the L1 and R1 rub rail.

SCENE LIGHTING

Six (6) Firetech Guardian Elite surface mounted LED scene lights shall be provided. The lamp head shall operate at 12 volts DC, draw 10.41 amps, and generate 12,290 lumens of light. One pair of the scene lights shall be mounted on the driver side hatch compartments, one in the front and one in the rear. One pair of the scene lights shall be mounted on the passenger side upper body side metal, one in the front and one in the rear. One pair shall be mounted on the rear of the apparatus, one on the rear of the apparatus, one on the left, one on the right. They shall activate with a switch for Left Scene, Right Scene and Rear Scene and Rear Scene shall activate in reverse as well.

BROW MOUNTED LED SCENE LIGHT

A Whelen Pioneer PFH2 brow mounted LED scene light shall be provided on the light bar. The lamp head shall operate at 12 volts DC, draw 12.5 amps, and generate 16,000 lumens of light. The light shall be mounted at the front lightbar of the cab and shall be controlled from a switch in the cab.

ADDITIONAL 3-WAY SWITCH

An additional 3-way switch shall be provided per the customer's location.

TELESCOPIC LED SCENE LIGHTS

Two (2) Whelen PFH2 telescopic LED scene light shall be provided. The lamp head shall operate at 12 volts

DC, draw 13 amps, and generate 16,000 lumens of light. The light shall be installed at a fire department

specified location with bottom mount cradle. The light shall have a switch on the lamp head and shall also be

controlled from a switch in the cab.

The lights shall be installed in the rear cab crew area on driver and officer side with a roof mount bracket and

shall be controlled from switch in cab above driver. They will have the capability to be telescopic while

pushing up through the cab roof from the interior of the cab. These light shall have black heads in color.

ADDITIONAL 3-WAY SWITCH

An additional 3-way switch shall be provided per the customer's location.

There will be two (2) in the cab above the drivers position. Left Cab Flood and Right Cab Flood

New Engine 52	
4 man custom cab	
Min 500 HP engine of USA manufacturing	With exhaust or engine braking ability
	Silicone coolant lines
2000 GPM pump	
1000 Gallons water	Lifetime warranty on the tank, NFPA compliant
3/4 high side body	
Chassis	
	Single axle
	Turning radius no greater than 28' curb to curb
	Aluminum wheels
	Drop down chains
	TPMS (tire pressure monitoring system)
	Air brakes with dryer
	Minimum 65 Gal fuel tank with 3/4" drain that is replaceable through removeable panels if enclosed
	DEF tank will be able to be filled without raising the cab
LED rope lighting in all compartments	
Aluminum or poly rub rails	Replaceable
Manuals	To include 2 copies of each, operators, service and wiring diagram

Cab	Manufactured by the apparatus builder
	Full tilt design
	Engine doghouse will be insulated from sound and heat
	Top surface of doghouse will have a separate mounting surface for mounting radios and equipment
	Electric over hydraulic cab lift pump with manual over-ride
	Full circular inner wheel well liners
	Access panel for checking engine fluids with cab down
	Steering wheel to be tilt and telescoping type
	All cab doors will have power windows and locks
	Slip resistant handrails outside each cab door, aluminum or chrome
	Coat hooks of matching material as handrail at each man door
	Pair of handles mounted on front of cab (1 either side)
	Interior of cab will be spatter paint
	Headliner and dash will all be matching black vinyl
	Sun visors will extend down as well as swing to cover the side glass
	Full instrumentation to include:
	Hour meter
	Volt meter
	Oil pressure
	Water temp
	Tachometer
	Speedo with odometer
	Air brake pressure
	Transmission temp
	Fuel level
	DEF level
	Open compartment warning light
	High idle switch
	Fuel primer
	Battery shut off switch
	Variable speed wipers with windshield washer
	Windshield washer tank will be able to be filled without raising cab
	Power heated west coast mirrors with 8" convex mounted below
	LED headlights
	Kussmaul battery charger and air compressor with charging indicator
	Auto-eject receptacle
	Docking station for on-board diagnostics
	110 v Inverter with 6 outlets
	1 double duplex outlet box mtd in cab and connected to inverter
	All glass will be tinted
	All glass panels will be readily available thru local glass repair shops
	Sliding and locking shelf IFO officers seat for MDC mount
	Helmet securing devices- 1 for each seat (surface mtd clasp)
	Interior grab handles for driver and officer
	Air conditioning/heating including rear jump seat area
	Brow light x 3- 1 forward and 1 each side
	Telescoping LED scene lights through rear of cab roof
	Stainless steel fender crowns

	Silicone coolant lines
Cab cont.	Switches for emergency lighting to be mounted above windshield
	Seats
	With seatbelt extensions for one hand operation
	Driver's seat shall be air ride
	All seat coverings to be removeable heavy duty vinyl for easy cleaning
	Truck shall supplied with a spare set of seat covers.
	SCBA seats for officer and crew
	Jump seats shall be rear facing
	Radio compartment under officer's seat
	SCBA securing devices
	Utilize SmartDock by IMMI for securing SCBAs
	Cab lighting
	Both white and red lighting for each seating position with individual switches
	EMS compartment in jump seat area
	36" W x 18"D x 42" H w/ roll up doors each side. 1 adj shelf.
	110 v duplex outlet connected to inverter
	12v cigarette lighter outlet (locking type)
	Terminal strip in electrical compartment
	5 positive terminals and 1 ground terminal, for future equipment
	Electrical load management system
	Shall work as a sequencer as well as overload protection
	Amp draw report for the entire electrical system
	High idle switch
	Electrical system shall be 12 volt and have a master battery switch
	Batteries
	Easily accessible, well ventilated and installed on non-corrosive mats
	Jump terminals shall be mounted accessible on the outside of battery box

2000 GPM pump	Midship pump with short extensions
Pump/ pump panel	Tray for Blitzfire - officers side. With drop down door for access
	LDH discharge each side
	Recessed panel
	to allow for intake appliances to not extend beyond the body
	Light shield above pump panel (both sides)
	12" deep. Shall bear the weight of a fire fighter
	Class A and B foam system- 20 gal of A and 30 gal of B
	Ability to draft foam, ability to fill tanks from draft.
	Approx 12 GPM with capability of .25-6% foam concentrations
	Foam cells shall be forward end of water tank to for use with self educting nozzle on deck gun
	Two 1-3/4" crosslays, in trays, between pump panel and cab
	Capacity of 200' of 1-3/4" hose and nozzle each
	1-1/2" Capstans to be mounted to the pump side of the trays and swivel side to side on a horizontal plane to allow crosslays to be pulled in either direction
	2 extra trays to be included
	Trays shall be interchangeable with those on our existing trucks
	One 2-1/2" Crosslay in tray for 200' of 2-1/2"" to the Blitzfire.
	tray will need to be taller than the 1-3/4" trays to accommodate hose
	Shall interchange with tray on our existing Rescue 51
	4" deck gun piping to TFT extenda-gun RC4 18
	Model- 12 VDC Relay-Vic X RPM
	to allow use of 2000 GPM nozzle
	Twin 3" tank to pump lines
	2-1/2" line to forward end, center of hose bed for preconnect
	2-1/2" line to rear of truck for rear discharge
	2-1/2" Direct tank fill on rear of truck
	Discharge valves shall be 3" with 2-1/2" NST hose adapter
	swing out construction
	Compressed air outlet
	with quarter turn shut off valve. Cust to install coupler.
	Drain valves- lift up style handles
	Manual pump shift over-ride

Tank body	Roll up doors
	All compartments will be sweep-out design and self ventilated
	ALL COMPARTMENT DIMENSIONS ARE WITH THE DOOR CLOSED
	All shelves will be adjustable
	All compartments will have LED rope lighting
	SCBA bottle storage in wheel wells. 1 comp each side IFO wheel
	3 bottles per compartment
	Wheel well storage for CO2 and ABC extinguisher officer side
	Pump operators comp
	Approx 30"W x 50"H x 26"D (14" deep upper)
	1 shelf in the shallow area
	1 shelf in the deep area
	DS over the wheel
	Approx 60" x 22" x 14"
	DS rear
	Approx 50"W x 50"H x 26"D (14" deep upper)
	2 shelves
	110v outlet powered from shoreline for chargers
	Rear of truck
	Fixed steps mounted on both sides of rear step compartment with handrails
	Chevron striping
	Rear camera
	Compartment at rear step
	Approx 39"W x 40"H x 30"D
	1 shelf

	Hose Bed- single plane, full length front to back
	2 piece hard hose bed cover Could be 4 piece if length demands.
	2 adjustable hose bed dividers
	Must hold 1000' 5" hose and 800' 3" and 250' yard lay of 2-1/2"
	Canvas rear closure with single point release
	Officer's side front
	Approx 30"W x 50"Hx 26"D (upper approx 14" deep)
	Swing out grid for mounting tools
	12 v terminal strip with 3 positive and 1 ground
	Officer's side over wheel
	Approx 58"W x 20"H x 14"D
	Officer's side rear
	Approx 50"W x 50"H x 26"D (upper approx 14" deep)
	2 shelves
	110v outlet powered from shoreline for chargers
	Dunnage
	Discharge valve for deluge gun in dunnage
	Front bumper
	Rubber coated top surface
	1-1/2" outlet
	Hosebed to be on top of bumper and have a diamond plate cover
	approx 60" in length with pneumatic assist and hold open
	trash line to hold 100' 1-3/4" hose
	Air horns in the bumper
	Mechanical Q siren on the drivers side
	Tow loops to protrude through the bumper
	adequate to tow/ lift front of truck
	Chevron striping on front and side vertical surfaces
	Tailboard- diamond plate
	Rear tow loops capable of lifting and towing the truck
	16" deep full width of the truck
	Drop down rack for ladders- Officer side
	Ladder rack to house pike poles and folding ladder
	as well as 24 ' extension ladder and 14' roof ladder
	ZICO model LAS-HA2-775
	Drop down rack for two 6" suction hose- Driver side
	ZICO model HSS-HA2-2