William E. Munson Company, Inc.
15806 Preston Pl.
Burlington, WA 98233
360-707-2752
www.munsonboats.com

Invoice

BILL TO
City of Fort Piece

INVOICE #	DATE	TOTAL DUE	DUE DATE	TERMS	ENCLOSED
2024-78	04/25/2024	$25,000.00	04/30/2024	Due on receipt	

SIZE & MODEL
28' Packcat

ACTIVITY	DESCRIPTION	AMOUNT
Deposit	Deposit to get on Production Schedule for 28' Packcat - Refundable	25,000.00T

SUBTOTAL	25,000.00
TAX	0.00
TOTAL	25,000.00
BALANCE DUE	**$25,000.00**

15806 Preston Place, Burlington WA USA 98233
Phone: 360 707 2752 Fax: 360 757 2442
www.munsonboats.com Jesse@MunsonBoats.com

March 14, 2024
Specification And Quotation
For One
28' PackCat Landing Craft
For
City of Fort Pierce
Contact: Dean Kubitschek
Phone: 772-834-1070
Email: dkubitschek@cityoffortpierce.com

OVERVIEW: The following describes a 28' PackCat welded aluminum catamaran landing craft (U.S. Patents D739331S and 8281730B2) 2024 production model. Detailed drawings will be submitted for approval prior to construction. Boat shall exit the factory as a completed vessel, adhering to the following specifications. Pricing is based on raw material costs at time of quote. Pricing is subject to change based on actual material costs at the time of construction.

GENERAL SPECIFICATIONS:

1. Hull Length: 28 feet
2. Beam: 10 feet
3. Transom Deadrise: 24 degrees each hull section
4. Person and Cargo Capacity: 4000 lbs
5. Propulsion: Twin 200 Mercury SeaPro Outboard Motors
6. Fuel Capacity: 80 gallons (Dual 80 Gallon Tanks)
7. Bow Door Clearance: 74 inches
8. Bottom Plating: ¼ inch 5086-H116
9. Side Plating: ¼ inch 5052-H32
10. Deck Plating: 3/16 inch 5052-H32
11. Centerline Vertical Keel (CVK): 3/8" x 4" 6061-T6

HULL PACKAGE:

28' PackCat landing craft incorporating two symmetrical longitudinally aligned hull sections with 24° deadrise, a low profile tunnel connecting the two longitudinally aligned hulls, and 74" wide bow door.

The tunnel shall be in the water at rest to add stability and floatation.

Hull shall include watertight structural bulkheads.

8" welded aluminum inspection hatches shall be installed to provide access to all below deck compartments.

Six (6) 10" welded aluminum cleats shall be installed. (3 Per Side)

A ¾" aluminum double padeye shall be welded on centerline of the bow.

¼" rolled plate, 7" radius bow corners shall be installed on the port and starboard sides of the bow door opening.

The transom shall be setup for outboard power and set at 103 degrees off baseline for proper outboard trim

The motor well shall be self-bailing via two 2.5" pipe drains running out through transom. Drains shall be equipped with rubber flappers to divert water from entering slop well when operating the boat in reverse.

The stern shall incorporate a full width cross seat/locker forward of the motor well. Lockers will house batteries and fuel filter systems and offer general storage. Locker will have two (2) 3/16" welded aluminum weatherproof hatches with 1-1/2" angle aluminum frame, key lockable 316 series Stainless Steel "T" handle latches, welded 100mm aluminum hinges with grease fitting and Stainless Steel pins, and 1/8" thick PORON neoprene hatch seal.

316 Series Stainless Steel fastening hardware shall be used throughout the vessel.

WELDING:

The hull and superstructure shall be constructed of marine grade aluminum and MIG welded throughout.

All weld seams in the hull shall be welded 100%, both interior & exterior.

A minimum of 15% helium / 85% argon inert shielding gas mix shall be used for all aluminum welding to ensure proper weld penetration and reduce the occurrence of weld porosity.

Welding shall be performed in accordance with American Welding Society Structural Welding Code for Aluminum.

All surface areas shall be shiny, mill finish, with no grind marks, splatters, or blemishes.

HULL OUTFITTING:

1¼" Sch 40 pipe safety railings shall be installed 36" above main deck along port & stbd sides from stern to midship.

Four (4) Open scuppers installed flush with the deck at midship and two (2) large pipe drains in the stern shall create a self-bailing main deck. Drains and scuppers shall be sized and installed in accordance with ABYC deck drainage requirements.

Two (2) 1/4" x 4" Beaching wear plate shall be installed on the bow forefoot.

A wave breaker shall be installed on forward hull span between the two catamaran hulls to increase ride comfort.

One (1) 26" wide side door shall be installed. Doors shall swing inboard and forward in direction, and lock in the closed position.

Six (6) 4" square tie down pockets with 5/8" 316SS pin shall be installed on the main deck.

Johnson Duramax DB-503 3" D-rubber fender shall be installed on the gunwale, port and starboard sides. D-rubber shall be permanently attached with a full length capture rail 100% welded to the hull and mechanically fastened on each end to prevent "shrinkage" in cold temperatures. All breaks in the D-Rubber shall be capped with welded aluminum, interruptions shall be flat plate, terminations shall be angled aluminum tubing to create a smooth transition. (Skip welding techniques shall not be used)

3" D-rubber push knees shall be installed on the port & starboard sides of the bow door. Push knees shall be ¼" plate double wall construction.

One (1) 7.5 lb Divers Dream zinc anodes, shall be installed on brackets that are welded to the transom.

BOW DOOR OUTFITTING:

A 74 inch wide drop down bow door shall be installed to enable personnel transport.

The hull shall incorporate port and starboard bow lockers framing the door opening.

A Thern manual stainless steel bow door winch with brake shall be installed on the port side bow locker for opening and closing the bow door.

A 35-foot stainless steel winch cables runs through stainless steel cheek pulleys on each side of the door providing equal tension on both sides when opened and closed. Aluminum roller sheaves shall be installed on the gunnel.

The bow door shall be outfitted with two (2) ¾" stainless steel positive locking pins to prevent the bow door from opening while underway.

A replaceable rubber gasket seals the bow door watertight when closed.

The inside face of the bow door shall be double plated for a smooth working surface.

FUEL SYSTEM:

Dual 40 gallon non-integral fuel tanks shall be installed complete with fill, vent, 12V sender and fuel level gauge on console. Fuel tanks shall be built from ¼" plate, pressure tested to 4 psi and bolted into hull framing using doublers and stainless steel fasteners.

Two (2) fuel filter/water separators shall be installed complete with shut off valves. Filters to be Racor 320 or equivalent.

Fuel system shall comply with U.S. diurnal emission standards.

12V 140 CFM bilge blower installed in fuel tank compartment.

CONSOLE:

A 42" wide console T-top shall be installed aft on centerline with 50" wide x 72" long roof.

T-top includes three (3) fixed windows with forward leaning windshield, an overhead radio bar, angled aluminum control console, and a flush mounted bolt on console access panel on the forward side of the console for ease of maintenance and future upgrades.

The aft side of the console shall include 3/16" welded aluminum weatherproof hatches with 1 -1/2" angle aluminum frame, key lockable 316 series Stainless Steel "T" handle latches, welded 100mm aluminum hinges with grease fitting and Stainless Steel pins, and 1/8" thick PORON neoprene hatch seal.

The T-top roof shall incorporate 1" pipe roof railings, and vertical grab rails on port and starboard sides.

Two (2) Cup holders shall be installed at the console.

A two person upholstered leaning post/seat, with a fold-down foot rest shall be installed at the console.

DAVIT:

A 3" pipe davit rated at 500lbs. working load shall be installed. Davit is 80" high with 42" reach, swivels 360 degrees and is lockable every 90 degrees.

A maximum capacity plaque shall be installed on the davit.

A Thern stainless steel manual hand crank winch shall be installed on the davit. Winch is spooled with 30' of stainless steel line terminating with an eyelet and shackle.

A glass-reinforced nylon open face snatch block rated at 700lbs. deadweight shall be supplied.

TOWING:

A 3" Sch 80 aluminum pipe tow bitt with 1" 316 stainless crucifix pin shall be installed aft on centerline. The towing bitt shall be sized to accept one round turn and three figure eight's of the towline.

A line parting knife shall be mounted in the vicinity of the tow bit.

A tow line guide shall be integrated into the motor guard.

DIVING:

Four (4) Roll Control tank holders shall be installed to accommodate compressed air tanks (scuba tanks).

A removable flip out dive ladder shall be installed on the bow door.

STERN GUARDS AND PLATFORMS:

A fixed aluminum guard made from 2" aluminum pipe shall be welded to the transom to protect the outboard motors.

One (1) small welded aluminum swim step with non-skid shall be installed centerline on the transom.

ELECTRICAL SYSTEM:

The vessel's electrical system shall be 12vDC.

All electrical cable shall be marine grade copper tinned boat cable and labeled for each circuit.

Cables should be routed in wireways wherever possible. Wherever exposed to potential damage, cables shall be protected with rubber.

Electrical cable shall be sized in accordance with the American Boat & Yacht Council.

All electrical cables shall be marked in accordance with the markings in electrical drawings.

All electrical switches shall be of a heavy-duty type and properly insulated.

The electrical system shall be grounded. In any case the hull shall not be used as part of a galvanic feeding loop.

12V DC ACCESSORIES:

One (1) 12V 6 position waterproof distribution panel shall be installed on the console.

One (1) 12V self-parking windshield wiper shall be installed on the forward windshield. The wiper assembly consists of a fully sealed, marine rated wiper motor fitted with a heavy duty pantographic wiper arm and matching blade.

One (1) 12V electric horn shall be installed with momentary push button on the dash.

One (1) 12VDC power receptacle with weather cover shall be installed.

One (1) Dual USB outlet with weather cover shall be installed in the vessel. Outlet has one USB-A and one USB-C port.

Two (2) 12V 2200 GPH bilge pump shall be installed with auto float switch.

LIGHTING:

LED navigation lights shall be installed to USCG requirements.

One (1) 12V LED red/white dome light shall be installed over the operator.

Four (4) Rigid Industries D-Series Pro 3" LED Flood lights shall be installed on the T-top roof. Each is rated at 3168 lumens of output.

One (1) GoLight 20204GT LED search light with 544,000 candle power shall be installed on the T-top roof with a control pad at the console.

One (1) Whelen Century 23" LED blue light bar shall be installed on the T-top roof. Controls for the light bar shall be installed at the console.

NAVIGATION ELECTRONICS:

A Simrad Go 9" chartplotter shall be installed. This includes local area maps, external GPS antenna, transducer, and NMEA 2000 network.

An Icom M605 marine VHF radio shall be installed complete with Shakespeare antenna and stainless steel adjustable antenna mount.

PAINT, GRAPHICS, AND MARKINGS:

Matson Industrial Floor Grip Non-skid deck coating shall be applied to all main deck walking surfaces. (Color- 223 Gray)

E-Paint anti-fouling bottom paint system with epoxy barrier coat applied to 4" above waterline. (Black as standard.)

Top side of hull to remain bare aluminum finish.

A U.S. Coast Guard rating placard shall be installed at the dash.

A bow door warning placard shall be installed adjacent to the bow door.

PROPULSION:

Twin 200 HP Mercury SeaPro outboard engines (200XL & 200CXL) with 25" shafts and stainless steel propellers shall be installed.

A hydraulic steering system shall be installed. Standard installation includes a helm pump, steering cylinder, tie bar and lines.

A two-battery engine start bank shall be installed. Batteries are connected by selector switches, allowing each engine to be started via either battery or with both batteries in parallel.

The main helm station shall be installed with twin-engine mechanical binnacle with throttle and shift cables, VesselView 502 multifunction display, dual 4-position key switches and emergency "Man Overboard" kill switch.

The VesselView 502 display shall be interfaced with GPS for speed, position, and fuel tracking.

Engines shall be installed on Bob's Machine Shop Gen3 hydraulic jack plates. Designed for use in shallow water operations, they provide 6" of vertical travel while underway.

Jack plates shall include LED position gauges located on the main console.

A Sleipner Side-Power SE40/125T 3HP bow thruster shall be installed with joystick control at the main console.

Bow thruster power supplied by main engine batteries. Installation includes a bilge pump in the thruster compartment.

A 15" x 24" Freeman hatch shall be installed for thruster compartment access.

FIRE SYSTEM:

The 4" hose suction and 3" hose discharge for the Fire Ant Self-Contained Fire System shall be fitted with Cam-Lok fittings for ease of removability.

The Fire Ant Self-Contained Firefighting System is a complete, self-contained, portable, skid-mounted firefighting unit.

The unit housing is of all-aluminum welded construction. Fasteners shall be 316-grade stainless steel to resist rusting and corrosion.

The unit is powered by a Hale Class 1 HPX-450-B35 Attack Max 35 HP fire pump with air-cooled dry exhaust producing 550 GPM @ 45 PSI PSI, 400 GPM @ 75 PSI and 250 GPM at 100 PSI.

The pump shall be equipped with a local operating panel. The panel includes start/stop, choke, throttle, oil pressure light, and water pressure gauge.

The fuel supply shall be provided via a 6-gallon portable gasoline tank mounted within the unit. The fire pump burns 1.8 GPH at 3600 RPM allowing for 3.25 hours of operation at full power.

A 12v freshwater wash down pump system shall be installed complete with 25' hose coil.

One (1) Interstate SP-22NF Battery shall be installed in the unit for starting the fire pump and operating the freshwater wash down pump.

One (1) 16' segment of 4" suction hose outfitted with quick disconnect aluminum "Cam-Lock" fittings rated for sufficient vacuum shall be supplied to attach to the pump inlet. A strainer attached to the hose pick-up aids in the prevention of debris uptake.

One (1) Elkhart Brass 2.0 3" stinger monitor including quick disconnect "ANSI" flange for gunnel mount shall be supplied. Monitor to include quad-stacked tip as standard.

One (1) Hale 3" stainless steel 1/4 turn ball valve shall be installed below the top-mounted 2.0 monitor.

Detailed electrical drawings and all manufacturer-supplied documentation shall be provided.

Fire pump shall be installed with a welded aluminum thru-hull 4" suction and sea strainer affixed to the underside of the hull. The suction line will be outfitted with a section of 4" 'soft' hose to buffer vibration between the pump and intake.

A manually-operated stainless steel ball valve shall be installed to isolate the thru-hull.

TRAILER:

Vessel shall include one (1) Tuff Trailer MTB8300SGL 8,300lb capacity galvanized tandem axle bunk trailer complete with disc brakes on all axles, 2-5/16" ball receiver, manual strap winch, safety chain, heavy duty jack stand, DOT approved lighting, spare tire with carrier. Bunks to have strap notches to aid in picking the boat.

SEA TRIALS:

Vessel shall undergo testing (Sea Trials) after completion to verify proper function and performance of all systems.

DOCUMENTATION & KEYS:

One (1) Operation & Maintenance Manual shall be supplied with the craft. Includes OEM technical literature for all supplied equipment, operator/safety instructions, as-built boat drawings, as-built electrical system drawings.

Vessel to include two (2) complete key sets. (Doors, Hatches, Ignition)

Original Bill of Sale and Manufacturer's Statement of Origin documents shall be delivered with the boat conveying free and clear title(s).

TOTAL PRICE, EX-WORKS, BURLINGTON. WA:___$299,899.00

TERMS:

$25,000.00 Deposit (Refundable*)

30% (Less Deposit) Due at the start of production.

40% Due on completion of aluminum hull.

30% Due upon completion of vessel, prior to taking delivery.

Agreed to this _____day of _____, 2024

X_____ X_____

Jesse Munson, CEO
Munson Boats

City of Fort Pierce, Buyer

* Deposit is refundable the the event of order cancellation, less applicable restocking fees and/or design costs.

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March 14, 2024
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8. Bottom Plating: ¼ inch 5086-H116
9. Side Plating: ¼ inch 5052-H32
10. Deck Plating: 3/16 inch 5052-H32
11. Centerline Vertical Keel (CVK): 3/8" x 4" 6061-T6

HULL PACKAGE:

28' PackCat landing craft incorporating two symmetrical longitudinally aligned hull sections with 24° deadrise, a low profile tunnel connecting the two longitudinally aligned hulls, and 74" wide bow door.

The tunnel shall be in the water at rest to add stability and floatation.

Hull shall include watertight structural bulkheads.

8" welded aluminum inspection hatches shall be installed to provide access to all below deck compartments.

Six (6) 10" welded aluminum cleats shall be installed. (3 Per Side)

A ¾" aluminum double padeye shall be welded on centerline of the bow.

¼" rolled plate, 7" radius bow corners shall be installed on the port and starboard sides of the bow door opening.

The transom shall be setup for outboard power and set at 103 degrees off baseline for proper outboard trim

The motor well shall be self-bailing via two 2.5" pipe drains running out through transom. Drains shall be equipped with rubber flappers to divert water from entering slop well when operating the boat in reverse.

The stern shall incorporate a full width cross seat/locker forward of the motor well. Lockers will house batteries and fuel filter systems and offer general storage. Locker will have two (2) 3/16" welded aluminum weatherproof hatches with 1-1/2" angle aluminum frame, key lockable 316 series Stainless Steel "T" handle latches, welded 100mm aluminum hinges with grease fitting and Stainless Steel pins, and 1/8" thick PORON neoprene hatch seal.

316 Series Stainless Steel fastening hardware shall be used throughout the vessel.

WELDING:

The hull and superstructure shall be constructed of marine grade aluminum and MIG welded throughout.

All weld seams in the hull shall be welded 100%, both interior & exterior.

A minimum of 15% helium / 85% argon inert shielding gas mix shall be used for all aluminum welding to ensure proper weld penetration and reduce the occurrence of weld porosity.

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HULL OUTFITTING:

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Four (4) Open scuppers installed flush with the deck at midship and two (2) large pipe drains in the stern shall create a self-bailing main deck. Drains and scuppers shall be sized and installed in accordance with ABYC deck drainage requirements.

Two (2) 1/4" x 4" Beaching wear plate shall be installed on the bow forefoot.

A wave breaker shall be installed on forward hull span between the two catamaran hulls to increase ride comfort.

One (1) 26" wide side door shall be installed. Doors shall swing inboard and forward in direction, and lock in the closed position.

Six (6) 4" square tie down pockets with 5/8" 316SS pin shall be installed on the main deck.

Johnson Duramax DB-503 3" D-rubber fender shall be installed on the gunwale, port and starboard sides. D-rubber shall be permanently attached with a full length capture rail 100% welded to the hull and mechanically fastened on each end to prevent "shrinkage" in cold temperatures. All breaks in the D-Rubber shall be capped with welded aluminum, interruptions shall be flat plate, terminations shall be angled aluminum tubing to create a smooth transition. (Skip welding techniques shall not be used)

3" D-rubber push knees shall be installed on the port & starboard sides of the bow door. Push knees shall be ¼" plate double wall construction.

One (1) 7.5 lb Divers Dream zinc anodes, shall be installed on brackets that are welded to the transom.

BOW DOOR OUTFITTING:

A 74 inch wide drop down bow door shall be installed to enable personnel transport.

The hull shall incorporate port and starboard bow lockers framing the door opening.

A Thern manual stainless steel bow door winch with brake shall be installed on the port side bow locker for opening and closing the bow door.

A 35-foot stainless steel winch cables runs through stainless steel cheek pulleys on each side of the door providing equal tension on both sides when opened and closed. Aluminum roller sheaves shall be installed on the gunnel.

The bow door shall be outfitted with two (2) ¾" stainless steel positive locking pins to prevent the bow door from opening while underway.

A replaceable rubber gasket seals the bow door watertight when closed.

The inside face of the bow door shall be double plated for a smooth working surface.

FUEL SYSTEM:

Dual 40 gallon non-integral fuel tanks shall be installed complete with fill, vent, 12V sender and fuel level gauge on console. Fuel tanks shall be built from ¼" plate, pressure tested to 4 psi and bolted into hull framing using doublers and stainless steel fasteners.

Two (2) fuel filter/water separators shall be installed complete with shut off valves. Filters to be Racor 320 or equivalent.

Fuel system shall comply with U.S. diurnal emission standards.

12V 140 CFM bilge blower installed in fuel tank compartment.

CONSOLE:

A 42" wide console T-top shall be installed aft on centerline with 50" wide x 72" long roof.

T-top includes three (3) fixed windows with forward leaning windshield, an overhead radio bar, angled aluminum control console, and a flush mounted bolt on console access panel on the forward side of the console for ease of maintenance and future upgrades.

The aft side of the console shall include 3/16" welded aluminum weatherproof hatches with 1 -1/2" angle aluminum frame, key lockable 316 series Stainless Steel "T" handle latches, welded 100mm aluminum hinges with grease fitting and Stainless Steel pins, and 1/8" thick PORON neoprene hatch seal.

The T-top roof shall incorporate 1" pipe roof railings, and vertical grab rails on port and starboard sides.

Two (2) Cup holders shall be installed at the console.

A two person upholstered leaning post/seat, with a fold-down foot rest shall be installed at the console.

DAVIT:

A 3" pipe davit rated at 500lbs. working load shall be installed. Davit is 80" high with 42" reach, swivels 360 degrees and is lockable every 90 degrees.

A maximum capacity plaque shall be installed on the davit.

A Thern stainless steel manual hand crank winch shall be installed on the davit. Winch is spooled with 30' of stainless steel line terminating with an eyelet and shackle.

A glass-reinforced nylon open face snatch block rated at 700lbs. deadweight shall be supplied.

TOWING:

A 3" Sch 80 aluminum pipe tow bitt with 1" 316 stainless crucifix pin shall be installed aft on centerline. The towing bitt shall be sized to accept one round turn and three figure eight's of the towline.

A line parting knife shall be mounted in the vicinity of the tow bit.

A tow line guide shall be integrated into the motor guard.

DIVING:

Four (4) Roll Control tank holders shall be installed to accommodate compressed air tanks (scuba tanks).

A removable flip out dive ladder shall be installed on the bow door.

STERN GUARDS AND PLATFORMS:

A fixed aluminum guard made from 2" aluminum pipe shall be welded to the transom to protect the outboard motors.

One (1) small welded aluminum swim step with non-skid shall be installed centerline on the transom.

ELECTRICAL SYSTEM:

The vessel's electrical system shall be 12vDC.

All electrical cable shall be marine grade copper tinned boat cable and labeled for each circuit.

Cables should be routed in wireways wherever possible. Wherever exposed to potential damage, cables shall be protected with rubber.

Electrical cable shall be sized in accordance with the American Boat & Yacht Council.

All electrical cables shall be marked in accordance with the markings in electrical drawings.

All electrical switches shall be of a heavy-duty type and properly insulated.

The electrical system shall be grounded. In any case the hull shall not be used as part of a galvanic feeding loop.

12V DC ACCESSORIES:

One (1) 12V 6 position waterproof distribution panel shall be installed on the console.

One (1) 12V self-parking windshield wiper shall be installed on the forward windshield. The wiper assembly consists of a fully sealed, marine rated wiper motor fitted with a heavy duty pantographic wiper arm and matching blade.

One (1) 12V electric horn shall be installed with momentary push button on the dash.

One (1) 12VDC power receptacle with weather cover shall be installed.

One (1) Dual USB outlet with weather cover shall be installed in the vessel. Outlet has one USB-A and one USB-C port.

Two (2) 12V 2200 GPH bilge pump shall be installed with auto float switch.

LIGHTING:

LED navigation lights shall be installed to USCG requirements.

One (1) 12V LED red/white dome light shall be installed over the operator.

Four (4) Rigid Industries D-Series Pro 3" LED Flood lights shall be installed on the T-top roof. Each is rated at 3168 lumens of output.

One (1) GoLight 20204GT LED search light with 544,000 candle power shall be installed on the T-top roof with a control pad at the console.

One (1) Whelen Century 23" LED blue light bar shall be installed on the T-top roof. Controls for the light bar shall be installed at the console.

NAVIGATION ELECTRONICS:

A Simrad Go 9" chartplotter shall be installed. This includes local area maps, external GPS antenna, transducer, and NMEA 2000 network.

An Icom M605 marine VHF radio shall be installed complete with Shakespeare antenna and stainless steel adjustable antenna mount.

PAINT, GRAPHICS, AND MARKINGS:

Matson Industrial Floor Grip Non-skid deck coating shall be applied to all main deck walking surfaces. (Color- 223 Gray)

E-Paint anti-fouling bottom paint system with epoxy barrier coat applied to 4" above waterline. (Black as standard.)

Top side of hull to remain bare aluminum finish.

A U.S. Coast Guard rating placard shall be installed at the dash.

A bow door warning placard shall be installed adjacent to the bow door.

PROPULSION:

Twin 200 HP Mercury SeaPro outboard engines (200XL & 200CXL) with 25" shafts and stainless steel propellers shall be installed.

A hydraulic steering system shall be installed. Standard installation includes a helm pump, steering cylinder, tie bar and lines.

A two-battery engine start bank shall be installed. Batteries are connected by selector switches, allowing each engine to be started via either battery or with both batteries in parallel.

The main helm station shall be installed with twin-engine mechanical binnacle with throttle and shift cables, VesselView 502 multifunction display, dual 4-position key switches and emergency "Man Overboard" kill switch.

The VesselView 502 display shall be interfaced with GPS for speed, position, and fuel tracking.

Engines shall be installed on Bob's Machine Shop Gen3 hydraulic jack plates. Designed for use in shallow water operations, they provide 6" of vertical travel while underway.

Jack plates shall include LED position gauges located on the main console.

A Sleipner Side-Power SE40/125T 3HP bow thruster shall be installed with joystick control at the main console.

Bow thruster power supplied by main engine batteries. Installation includes a bilge pump in the thruster compartment.

A 15" x 24" Freeman hatch shall be installed for thruster compartment access.

MACHINERY COMPARTMENT:

A machinery compartment shall be installed on the front of the console.

The machinery compartment shall be one compartment and shall include an access hatch. The hatch shall be large enough to remove the fire pump engine. A gas ram shall be installed to hold the hatch up while in the open position.

The machinery compartment shall be ventilated for natural ventilation and combustion air intake.

FIRE SYSTEM:

Hale Class 1 PowerFlow HPX450-B35 fire pump capable of producing 550 GPM @ 45 PSI, 400 GPM @ 75 PSI and 250 GPM at 100 PSI shall be installed in a ventilated locker. The fire pump is powered via an air-cooled 35 HP Briggs and Stratton engine. The fire pump has a 4" intake and 3" discharge.

A diaphragm hand primer pump shall be plumbed to the pump impeller for priming the main pump.

A remote mounted control panel shall be installed in the co-pilot position of the dash. Panel includes start/stop, choke, throttle, oil pressure light and water pressure gauge.

The pump shall have a dedicated battery start bank tied via crossover switch to the main engine start bank.

A 9" Delta-T fan shall be installed for ventilating and cooling the fire pump locker.

A Fireboy MA2 Series automatic flooding fire extinguishing system shall be installed with manual pull cable at operator console to protect the fire pump compartment.

A 4" welded aluminum thru-hull intake shall supply the fire pump. Intake includes removable strainer plate affixed to the underside of the hull.

A 4" manually-operated 316SS butterfly valve sandwiched between a pair of 150# aluminum ANSI flanges shall be installed between the thru-hull and pump intake to serve as an isolation valve.

A section of 4" corrugated wet exhaust hose installed between the butterfly valve and pump intake will provide a buffer from engine vibration.

The pump discharge will supply a 3" diameter fire main assembled from schedule 80 seamless aluminum pipe and fittings.

Stainless steel Victaulic couplers to be used at all pipe breaks.

Two 9" Delta-T fans shall be installed in the engine room vent boxes on the aft deck (one port and one starboard). One fan shall be designated for air intake and one fan shall be designated for air exhaust.

A 3" fire main branch shall extend to the port bow and terminates at a fire monitor station with 4" ANSI flange.

A Task Force Tips "Valve Under Monitor" (V.U.M.) shall be installed at the station. V.U.M. will be outfitted with a 4" ANSI inlet and a 4" ANSI outlet. V.U.M. will feature two (2) 2.5" MNH gated 90 degree elbows with integral quarter-turn valves. Each gated elbow will be equipped with 2.5" FNH x 1.5" MNH reducer and a 1.5" FNH blind cap.

Gated elbows allow for hand tack lines to be used off the V.U.M.

Stainless steel Victaulic couplers to be used at all pipe breaks.

A Task Force Tips Hurricane monitor equipped with a quad-stacked tip and stream straightener to be installed at the port bow station. Monitor has a 4" ANSI flange inlet and 2.5" NHM outlet. Monitor is rated to 1250 GPM.

TRAILER:

Vessel shall include one (1) Tuff Trailer MTB8300SGL 8,300lb capacity galvanized tandem axle bunk trailer complete with disc brakes on all axles, 2-5/16" ball receiver, manual strap winch, safety chain, heavy duty jack stand, DOT approved lighting, spare tire with carrier. Bunks to have strap notches to aid in picking the boat.

SEA TRIALS:

Vessel shall undergo testing (Sea Trials) after completion to verify proper function and performance of all systems.

DOCUMENTATION & KEYS:

One (1) Operation & Maintenance Manual shall be supplied with the craft. Includes OEM technical literature for all supplied equipment, operator/safety instructions, as-built boat drawings, as-built electrical system drawings.

Vessel to include two (2) complete key sets. (Doors, Hatches, Ignition)

Original Bill of Sale and Manufacturer's Statement of Origin documents shall be delivered with the boat conveying free and clear title(s).

TOTAL PRICE, EX-WORKS, BURLINGTON. WA:___$318,050.00

TERMS:

$25,000.00 Deposit (Refundable*)

30% (Less Deposit) Due at the start of production.

40% Due on completion of aluminum hull.

30% Due upon completion of vessel, prior to taking delivery.

Agreed to this _____day of _____, 2024

X_____ X_____

Jesse Munson, CEO
Munson Boats

City of Fort Pierce, Buyer

* Deposit is refundable the the event of order cancellation, less applicable restocking fees and/or design costs.