

New Hanover County Fire Rescue  
REQUEST FOR BIDS  
PURCHASE OF FIRE RESCUE BOAT



Section 1 – Advertisement

**NEW HANOVER COUNTY FIRE RESCUE  
REQUEST FOR BIDS  
PURCHASE OF FIRE RESCUE BOAT**

Pursuant to NCGS 143-129, bids addressed to Lena Butler, Purchasing Supervisor, 230 Government Center Drive, Suite 165, Wilmington, NC 28401 and marked “**RFB-FIRE RESCUE BOAT**” will be accepted until **3:00 P.M. EST, Tuesday, December 21, 2021.**

Instructions for submitting bids and complete requirements and information may be obtained by visiting the County’s website at <https://finance.nhcgov.com/purchasing-solicitation/open-and-closed-bids/>.

A pre-bid meeting will be held on **Thursday, November 18, 2021**, via Microsoft Teams @ 9:00 AM EST.

**Microsoft Teams Pre-bid Meeting**

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 336-218-2051, 613298108#](tel:+13362182051613298108) United States, Greensboro

Phone Conference ID: 613 298 108#

The public bid opening will be held at **3:00 PM EST, Tuesday, December 21, 2021**, via Microsoft Teams

**Bid Opening-Fire Rescue Boat**

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 336-218-2051, 936063574#](tel:+13362182051936063574) United States, Greensboro

Phone Conference ID: 936 063 574#

You may also send an email to [lbutler@nhcgov.com](mailto:lbutler@nhcgov.com) to receive an invitation to join the Pre-bid meeting and the Bid Opening.

New Hanover County reserves the right to accept or reject any or all Bids and to make the Award which will be in the best interest of the County.

Released: Thursday, November 4, 2021

## Section 2 – Instructions and General Conditions

### 2.1 – Contact Information

New Hanover County Finance Office  
Attn: Lena Butler, Purchasing Supervisor  
230 Government Center Drive, Suite 165  
Wilmington, NC 28403  
Phone: 910-798-7190  
Email: [lbutler@nhcgov.com](mailto:lbutler@nhcgov.com)

### 2.2 - Schedule

Date	Action
Thursday, November 4, 2021	RFB Released
Tuesday, November 14, 2021 @ 5:00 PM EST	Deadline for questions
Thursday, November 18, 2021 @ 9:00 AM EST	Preproposal Meeting via Microsoft Teams
Tuesday, November 23, 2021	Minutes from Pre-proposal Meeting Issued
Tuesday, December 21, 2021 @ 3:00 PM EST	Deadline for Receipt of Bids
Monday, January 24, 2022	Award by Board of Commissioners

### 2.3 – Preparation of Bid

2.3.1 Bidders are instructed to submit their bid in a sealed envelope. Bids should be clearly marked **“RFB- FIRE RESCUE BOAT.”**

2.3.2 The bid shall be submitted by **3:00 PM Tuesday, December 21, 2022**, and addressed to:

New Hanover County  
Attn: Lena Butler, Purchasing Supervisor  
230 Government Center Drive, Suite 165  
Wilmington, NC 28403

2.3.3 Bidders shall respond to this RFB with a written bid in the format outlined below. Bids shall include, the following sections, each under separate tabs and in the order below:

- Cover Letter
- Bidder’s Experience
- Vessels Technical Specifications
- Schedule
- Post-Warranty Maintenance and Support
- Specification Compliance Checklist
- Pricing Sheet
- Certificate of Insurance
- Sample Agreement

**Cover Letter:**

Introduction to include understanding of requested equipment and contact information for the project.

**Bidder's Experience:**

The Bidder shall demonstrate its previous technical experience and competence of the Bidder for both the company and key personnel assigned to this project. The Bidder shall demonstrate five (5) successful completions in the design and manufacturing of similar projects, preferably rapid response fire boats.

Include past project name, address, date of completion, completed cost, key staff, and a narrative highlighting the similarities of past projects to the proposed project. Key staff and reference projects should be interrelated.

The Bidder shall provide a project organization chart and submit a list of key project staff, including field and office staff to be assigned to this project, if awarded. Key staff and relevant project experience should be interrelated. Bidder shall include a description of the responsibilities of the key staff throughout the project. The Bidder shall provide percentage of projects completed on approved timeframe.

The Bidder shall list any/all subcontractors and consultants that will be associated with this scope of work.

**Vessel's Technical Specifications:**

The Bidder shall describe all design, manufacturing, delivery, training, and warranty in full compliance with the design features, design quality, project description, scope of services, and the terms and conditions of this RFB and to include engineered drawings for review.

Please read specification thoroughly to ensure the Rescue Boat offered complies with all requirements. Variations from the specifications are to be indicated on the Specification Compliance Checklist that must be submitted with your bid.

If no exceptions are noted, and you are the successful manufacture, it will be required that the Fire Rescue Boat be provided as specified. The successful Bidder shall demonstrate in their submission that the Rescue Boat they are offering is equal to or better than the specifications provided herein.

Bidder guarantees that the product offered shall meet or exceed minimum specifications identified in this request for bids. Any brand name mentioned in the specifications below are provided as an illustration of the quality and type of item. It is not to restrict the Bidder to utilization of the brand mentioned; an item of equal, or better, quality/type can be substituted for any specification listed below.

**Schedule:**

The Bidder's plan to complete the design, secure the County's necessary approvals, and execute the project to completion on or before the required completion date. Provide specifics regarding manufacturing, testing, delivery, and training.

**Post Warranty Maintenance and Support**

Bidders shall describe the frequency and scope of maintenance work to be provided under a full maintenance plan. Bidders shall state services, obligations, conditions, and terms for agreement period of five (5) years and for future renewal options.

The Bidder shall provide a sample of the warranty form as well as warranty procedures and guaranteed response times. Bidders shall include a sample of the maintenance and service agreement to be executed.

**Specification Compliance Checklist**

All bidders are to note "YES" or "NO" to compliance with the specifications. Exceptions are to be noted in the appropriate column.

**Pricing Sheet**

Bidder shall include an itemized pricing to include design, manufacturing, delivery, training, and warranty. Bidder shall include optional pricing to cover the cost for travel expenses, lodging and meals for (4) County representatives to be present during sea trials. Bidder may submit with their bid, a proposed payment schedule tied to successful completion of tasks or milestones.

**Certificate of Insurance**

Sample certificate showing proof of the limits detailed in the RFB.

**Sample Agreement**

Attach a copy of your company's sales agreement.

**2.4** - A Pre-bid meeting will be held on **Thursday, November 18, 2021**, via Microsoft Teams @ 9:00 AM EST.

**Microsoft Teams Pre-bid Meeting**

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 336-218-2051](tel:+13362182051), [,613298108#](tel:+13362182051) United States, Greensboro

Phone Conference ID: 613 298 108#

2.5 - The public bid opening will be held at **3:00 PM EST, Tuesday, December 21, 2021**, via Microsoft Teams **Bid Opening-Fire Rescue Boat**

**Join on your computer or mobile app**

[Click here to join the meeting](#)

**Or call in (audio only)**

[+1 336-218-2051, 936063574#](tel:+13362182051) United States, Greensboro

Phone Conference ID: 936 063 574#

2.6 - You may also send an email to [lbutler@nhcgov.com](mailto:lbutler@nhcgov.com) to receive an invitation to join the meeting.

2.7 – Late Bid

No telephone, electronic or facsimile bids will be accepted. It is the responsibility of the Bidder to ensure that his bid is delivered prior to the date and time of closing. Bids received after the date and time for closing will not be accepted

2.8– Questions

Questions concerning this solicitation should be directed to the Lena Butler, Purchasing Supervisor at [lbutler@nhcgov.com](mailto:lbutler@nhcgov.com). Questions will be received until **Tuesday, November 14, 2021, at 5:00 PM EST.**

2.9 – Communication

Bidders may not have communications, verbal or otherwise, concerning this RFB with any personnel or boards from New Hanover County, other than the person listed in this section which is Lena Butler, Purchasing Supervisor. If any vendor attempts any unauthorized communication, the bid may be rejected.

2.10– Intent to Submit

All Bidders who intend to submit a bid on this project should send an email to [lbutler@nhcgov.com](mailto:lbutler@nhcgov.com) including pertinent contact information. This will ensure that you receive any addenda issued for this RFB; if applicable.

2.11 - Cost of Preparation of Response

Costs incurred by prospective Bidders in the preparation of the response to this Request for Qualifications are the responsibility of the Bidder and will not be reimbursed by The County.

2.12- Ownership of Documents

All bids and accompanying documentation will become the property of New Hanover County at the time the bids are opened and as such will not be returned to the Bidder.

2.13 - Trade Secret Confidentiality

Upon receipt of your bid by New Hanover County, your bid is considered a public record except for material which qualifies as "trade secret" under N.C. General Statute 132-1.2. After

opening, your bid will be provided to County staff and others who participate in the evaluation process, and to members of the general public who submit public records requests.

#### 2.14 - Withdrawal of Bids

Bidders may withdraw or withdraw and resubmit their bid at any time prior to the closing time for receipt of bids. NO bid may be withdrawn after the scheduled closing time for receipt of bids for a period of ninety (90) days.

#### 2.15- Equal Opportunity

The non-discrimination clause contained in Section 202 (Federal) Executive Order 11246, as amended by Executive Order 11375, relative to Equal Employment Opportunity for all persons without regard to race, color, religion, sex or national origin, and the implementing rules and regulations prescribed by the Secretary of Labor, are incorporated herein.

The Bidder agrees not to discriminate against any employees or applicant for employment because of physical or mental handicap in regard to any position for which the employees or applicant is qualified. The Bidder agrees to take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices.

Pursuant to GS 143-48, New Hanover County encourages small, minority, physically handicapped, and women firms to submit bids in response to this RFB.

#### 2.16- Indemnity

The successful Bidder shall indemnify and hold the County, its agents and employees, harmless against any and all claims, demands, causes of action, or other liability, including attorney fees, on account of personal injuries or death or on account of property damages arising out of or relating to the work to be performed by the Successful Bidder hereunder, resulting from the negligence of or the willful act or omission of the Bidder, his agents, employees and subcontractors.

#### 2.16 – Insurance

##### 2.16.1 Commercial General Liability

- a. Contractor shall maintain Commercial General Liability (CGL) and if necessary, Commercial Umbrella Liability (CUL) insurance with a total limit of not less than \$5,000,000 each occurrence for bodily injury and property damage. If such CGL insurance contains a general aggregate limit, it shall apply separately to this project/location or the general aggregate shall be twice the required limit.
- b. CGL insurance shall be written on Insurance Services Office (ISO) “occurrence” form CG 2010; CG2037 covering CGL or its equivalent and shall cover the liability

arising from premises, operations, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract, including the tort liability of another assumed in a business contract.

c. County, its officers, officials, agents, and employees are to be covered as additional insureds under the CGL by endorsement CG 2026 or an endorsement providing equivalent coverage as respects to liability arising out of activities performed by or on behalf of CONTRACTOR; premises owned, leased or used by CONTRACTOR; and under the CUL, if any. The coverage shall contain no special limitations on the scope of protection afforded to County, its officers, officials, agents, and employees

d. CONTRACTOR'S CGL insurance shall be primary as respects County, its officers, officials, agents, and employees. Any other insurance or self-insurance maintained by County, its officers, officials, agents, and employees shall be in excess of and shall not contribute to CONTRACTOR's insurance.

#### **2.16.2. Workers' Compensation and Employer's Liability**

a. CONTRACTOR shall maintain Worker's Compensation as required by the General Statutes of the State of North Carolina and Employer's Liability Insurance.

b. The Employer's Liability, and if necessary, CUL insurance shall not be less than \$1,000,000 each accident for bodily injury by accident, \$1,000,000 each employee for bodily injury by disease, and \$1,000,000 policy limit.

c. The insurer shall agree to waive all rights of subrogation against County, its officers, officials, agents, and employees for losses arising from services performed by CONTRACTOR for County.

#### **2.16.3. Business Auto Liability**

a. CONTRACTOR shall maintain Business or Personal Auto Liability and, if necessary, CUL insurance with a limit of not less than \$1,000,000 each accident.

b. Such insurance shall cover liability arising out of any auto, including owned, hired, and non-owned autos used in performance of services.

c. Business Auto coverage shall be written on ISO form CA 00 01, or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage equivalent to that provided in ISO form CA 00 01.



d. CONTRACTOR's Business Auto Liability insurance shall be primary as respects County, its officers, officials, agents, and employees. Any other insurance or self-insurance maintained by County, its officers, officials, agents, and employees shall be in excess of and shall not contribute to Professional's insurance.

#### **2.16.4. Surety Bond (Performance & Payment Bonds)**

a. The successful bidder shall furnish and deliver to County a Payment Bond and a Performance Bond covering the faithful performance and completion of the work included in this RFB and payment for all materials and labor furnished or supplied in connection with the work included in this RFB.

b. Said bonds shall be issued and furnished to County prior to, and as a condition precedent to, commencement of the work of this RFB.

c. Each of the Payment Bond and Performance Bond shall be furnished on behalf of Bidder, shall name County obligee, and coverage shall be written subject to the limit of not less than **100% of the total contract amount**. Such bond(s) shall be solely for the protection of County.

d. The Payment Bond and the Performance Bond shall be issued by a surety of financial standing having a rating from A.M. Best Company equal to or better than A and must be included on the approved list of sureties issued by the United States Department of Treasury.

e. The bond shall remain in effect at least one (1) year after the date when final payment becomes due.

f. The surety bond must be in the form set forth in NCGS 44A-33, without any variations therefrom.

g. Bidder shall provide surety bond wherein Surety waives notice of any and all modifications, omissions, additions, changes and advance payments or deferred payments in or about the Contract, and agrees that the obligations undertaken by the Bond shall not be impaired in any manner by reason of any such modifications, omissions, additions, changes, and advance payments or deferred payments.

h. The surety bond must set forth no requirement that suit be initiated prior to the time stipulated in applicable North Carolina Statutes of Limitation.

#### **2.16.5. Deductibles and Self-Insured Retentions**

a. Any deductibles or self-insured retentions must be declared to and approved by COUNTY. At the option of COUNTY, either the insurer shall reduce or eliminate

such deductibles or self-insured retentions as respects COUNTY, its officers, officials, agents, and employees; or CONTRACTOR shall procure a bond guaranteeing payment deductibles or self-insured retentions.

b. Bidder shall be solely responsible for the payment of all deductibles to which policies are subject, whether or not COUNTY is an insured under the policy.

#### **2.16.6. Miscellaneous Insurance Provisions**

a. The policies are to contain, or be endorsed to contain, the following provisions:

b. Any failure to comply with reporting provisions of the policies listed shall not affect coverage provided to COUNTY its officers, officials, agents, and employees.

c. Each insurance policy required by this contract shall be endorsed to state that coverage shall not canceled by either party except after thirty (30) days prior written notice has been given to COUNTY, 230 Government Center Drive, Ste. #125, Wilmington, NC 28403.

d. If Bidder's liability policies do not contain the standard ISO separation of insureds provision, or a substantially similar clause, they shall be endorsed to provide cross-liability coverage.

#### **2.16.7. Acceptability of Insurers**

Insurance is to be placed with insurers licensed to do business in the State of North Carolina with an A.M. Best's rating of no less than A VII unless COUNTY has granted a specific exemption.

#### **2.16.8. Evidence of Insurance**

a. Bidder shall furnish COUNTY with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements prior to commencing the work, and thereafter upon renewal or replacement of each certified coverage until all operations under this contract are deemed complete.

b. Evidence of additional insured status shall be noted on the certificate of insurance as per requirements in this Agreement.

c. With respect to insurance maintained after final payment in compliance with requirements, an additional certificate(s) evidencing such coverage shall be provided to COUNTY with final application for payment and thereafter upon renewal or replacement

of such insurance until the expiration of the period for which such insurance must be maintained.

#### 2.17– E-Verify

Pursuant to Session Law 2013-418, Contractor shall fully comply with the U.S. Department of Homeland Security employee legal status E-Verify requirements for itself and all its subcontractors. County requires an affidavit attesting to Contractor’s compliance. Violation of the provision, unless timely cured, shall constitute a breach of contract.

#### 2.18 - Addendum

The RFB package constitutes the entire set of instructions to the bidder. The County shall not be responsible for any other instructions, verbal or written, made by anyone. Any changes to the specifications will be in the form of an Addendum which will be sent to all known Bidders who notified the Purchasing Supervisor of their intent to submit a bid and posted on the County’s website.

You may visit our website at <http://www.nhcgov.com/Finance/Pages/CurrentBids.aspx> to check for the issuance of any addenda before submitting your bid.

#### 2.19 - Compliance with Bid Requirements

Failure to comply with these provisions or any other provisions of the General Statutes of North Carolina will result in rejection of bid.

#### 2.20 – Federal Uniform Guidance

If the source of funds for this contract is federal funds, the following federal provisions apply pursuant to 2 C.F.R. § 200.326 and 2 C.F.R. Part 200, Appendix II (as applicable): Equal Employment Opportunity (41 C.F.R. Part 60); Davis-Bacon Act (40 U.S.C. 3141-3148); Copeland “Anti-Kickback” Act (40 U.S.C. 3145); Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708); Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387); Debarment and Suspension (Executive Orders 12549 and 12689); Byrd Anti-Lobbying Amendment (31 U.S.C. 1352); Procurement of Recovered Materials (2 C.F.R. § 200.322); and Record Retention Requirements (2CFR § 200.324).

## 2.21 – Certificate of Authority

**Subject to several statutory exceptions, a business entity incorporated or organized in a state other than North Carolina must obtain a certificate of authority from the North Carolina Secretary of State prior to transacting business in the State.** See G.S. 55-15-01(a) (business corporations); G.S. 55A-15-01(a) (nonprofit corporations); G.S. 57D-7-01(a) (limited liability companies); G.S. 59-902(a) (limited partnerships); G.S. 59-91(a) (registered limited liability partnerships); G.S. 55B-16(a) (professional corporations). When the requirement applies, the foreign entity transacting business in the State is responsible for obtaining a certificate of authority—not the domestic (i.e., North Carolina) corporations, public entities, or individuals with whom the foreign entity might contract.

## 2.22 - Right to Reject Bids

New Hanover County reserves the right to accept or reject any or all Bids and to make the award which will be most advantageous to the County.

## Section 3 – Request for Bids

### **Overview of the Request for Bids**

It is the intent of the New Hanover County to accept bids from manufacturers who build fire boats. All prospective manufacturers must build purpose-built fire boats built to meet NFPA standards.

### **Intent of Specifications**

It is the intent of these specifications to clearly describe the furnishing and delivery to the purchaser, a complete vessel equipped as specified. The primary objective of these specifications is to obtain the most acceptable vessel for service in the fire rescue department. These specifications cover specific requirements as to the type of construction the vessel must conform, together with certain details as to finish, material preferences, equipment, and appliances with which the successful manufacture must conform.

The design of the vessel must embody the latest approved marine design practices. The workmanship must be of the highest quality in its respective field. Special consideration shall be given to service access to areas needing periodic maintenance, ease of operation, and symmetrical proportions. The construction method employed will be in such a manner as to allow ready removal of any component for service or repair.

The vessel shall conform to the National Fire Protection Association Standard for Marine Firefighting Vessels. The vessel shall comply with ABYC Standards. The vessel shall further conform to all U.S. Coast Guard Safety Standards. No exception. Each manufacturer shall furnish satisfactory evidence of their ability to design, engineer, and construct the vessel specified and shall state the location of the factory producing the vessel. They shall also substantiate they are able to render prompt and proper service and to furnish replacement parts for the vessel.

Each bid must be accompanied by a set of detailed manufacture's specifications consisting of a detailed description, and drawings of the vessel and equipment proposed. All bid specifications must be in the same sequence as the advertised specification for ease of comparison. These specifications shall include size, location, type, and model of all component parts being furnished.

Detailed information shall be provided on the materials used to construct all facets of the vessel. Any manufacturer who fails to submit detailed construction specifications, or who photocopies and submits these specifications as their own construction details will be considered non-responsive and shall render their bid ineligible for award.

All Bidders are required to detail the payment terms for the vessel. Any required prepayments or progress payments must be explained in detail.

### **ISO Compliance**

The Bidder shall operate a Quality Management System meeting the requirements of ISO 47.080. By virtue of its ISO compliance, the Bidder shall provide a vessel that is built to exacting standards, meets the customer's expectations, and satisfies the customer's requirements.

A copy of the manufacturer's certificate of ISO compliance for each manufacturing facility shall be provided with the bid.

**NFPA Compliance**

The supplied components of the vessel shall be compliant with NFPA 1925, current edition.

**ABYC Class**

The vessel shall be built to ABYC class standard

## Section 4 – Rescue Fire Boat Specification

The following boat specifications are considered minimum design and construction standards against which the vessel will be inspected. It is the intent to receive bids on equipment/vessels meeting the attached detailed specifications in their entirety.

Any bids being submitted, without “Full Compliance” with these specifications shall so state on the bid page, followed by a detailed “Letter of Exceptions” listing the areas of non-compliance.

The reference must include page number, paragraph, and the exact nature of the exception. Failure to follow this format, provided for the convenience of the Purchaser, will render the vendor’s bid non-responsive and ineligible for award of contract.

The Purchaser may add the statement “No Exception” to a component or design feature in these specifications. In the interest of fleet conformity or specific performance requirements, the

Purchaser will not permit exceptions taken to these item(s). The Purchaser reserves the right to reject any or all bids and purchase the equipment it deems most suitable to its needs. The Purchaser does not, in any way, obligate itself to accept the lowest or any bid. Any manufacture taking total exception to the complete specification, or a major element will result in immediate rejection of the bid.

### **General**

30ft True Catamaran Classic Tunnel Hull – 12ft beam  
Forward leaning walk around Cabin  
Interior sitting for 4 individuals  
Fire pump  
Front hydraulic drop-down bow door  
Twin outboard Power propulsion  
12 VDC / 30A Shore power system  
Class according to ABYC

### **Hull Dimensions**

Length 30': Beam 12'  
5086 alloy aluminum hull skins  
5052 alloy aluminum interior transverse frames  
Longitudinal "T" bars  
Longitudinal hull stiffeners  
Floor framed on 26" centers  
Self bailing aluminum decks

### **Hydraulics bow door**

Aluminum door c/w skid plate  
Extra wide for ATV loading & 2000 lbs. lifting capacity  
Hydraulic drop bow door  
12VDC HPU c/w dedicated power source  
Bow door controls in wheelhouse & on bow

## **Hull Construction**

All work is done to the highest quality marine construction standards and all welding is accomplished using modern welding systems to U.S.C.G. specifications for all welded aluminum crew boats.

All hulls are welded to American Welding Standards (AWS) for aluminum boat construction.

All materials and equipment will be new and of the best commercial quality.

All fasteners shall be compatible with aluminum construction.

The hull will be designed to keep the vessel buoyant if the boat is swamped or overturned.

Positive hull floatation is maintained through water tight hull voids.

All parts of the vessel shall be constructed of marine grade materials appropriate for the environment in which the vessel will operate.

## **PROPULSION & STEERING**

Twin 300HP Yamaha outboards - standard & counter rotating

Command Link Plus display kit

Twin engine start/stop switch panel

Dual binnacle control head

Yamaha Twin Engine Helm Master System

Single Station Hydraulic Outboard Steering

Kobelco header tank

2.4 Helm pump

Power assist pump

Liquid tie bar

(2) Outboard steering rams

"Destroyer" style steering wheel.

## **Fuel Tank**

Twin (120) Gallon fuel tanks w/ wema gauges & deck fills

Racor 660 series gasoline fuel filters

EPA compliant fuel tank

Walbro fuel pump for fire pump

## **Fire Pump and Plumbing**

Darley HE 64HP "Hercules" water pump (575 GPM @ 100 PSI)

Pump configuration for salt water

Suction head 4" NPT & (3) 3" NPT taps in lieu of standard 4" NH suction

12V primer assembly, fluid-less, saltwater use, all bronze construction

2-1/2" Relief valve w/ remote pilot – 12 volt

## **Fire Monitor**

Elkhart Sidewinder monitor- manual c/w quick connect base

Elkhart Marine brass nozzle c/w ball valve shut off

## **Fire discharge side**

2.5 NPT discharge valves for handlines and supply

Elbow to main and handlines



## **Fire System**

Sea chest for pump suction c/w 4" aluminum pipe & screens  
Schedule 80 aluminum mainline piping installed under deck from pump to outlets  
Ventilation for fire pump  
Aluminum pipe NPT suction c/w grated sea chest  
All pipping shall be compatible with aluminum hull construction and corrosion resistant

## **Electrical system**

DC Electrical System  
Battery pack - (2) group 31 starts & (2) group 31 house  
Battery switches  
(2) 12V power outlet  
(2) 12V USB port  
(2) 12V dash fan  
Surface mount 187 Series circuit breakers  
LED navigation lights  
(4) LED deck lights (1) one each is to be mounted on the cabin to face the bow, stern, port & starboard sides and deliver enough lumens to provide a safe working area during nighttime operations. Each light is to have its own switch located inside the cabin  
(4) LED cabin lights lights are to be recessed mounted in the ceiling of the cabin and shall be able to switch from clear light to red light for nighttime operations  
Searchlight 500,000 CP c/w dash & remote controls  
DeckHand dimmer  
(2) Pantographic windshield wipers c/w washing system  
DC distribution panel  
Bilge Pump Panel Switch  
Magnum 1000w inverter/charger c/w remote panel  
AC Electrical System  
30AMP shore power w/ 50' cord  
30A Galvanic isolator  
(4) AC duplex power outlets approved for wet locations. Shore and generator power  
Blue Sea P12 battery Charger

## **WATER SYSTEM**

Bilge  
(4) Rule 2000 bilge pumps w/ float switches & high-water alarm

## **Accessories**

"T" transom  
Walk through transom  
Handrails around fore deck  
Aluminum tow post c/w crucifix  
Fwd folding radar & antenna mast  
Roof access ladder c/w oversize rungs for boots  
Aluminum engine guards  
Aft boarding/rescue areas (port & stbd) c/w webbed gate  
5.2 GPM wash down kit c/w flush mount enclosure  
(2) Hull access hatches c/w gas strut

- (2) Battery lockers
- (2) Baier round aluminum hatch in outboard well
- (2) Freeman oval lift out hatches
- (6) 11" tie up cleat
- Anodes for cathodic protection
- Removable Davit able to be mounted on both the port & starboard side.

### **Anchoring & Mooring**

- Bow roller
- Hinged anchor storage locker
- 16lb Sea-Claw anchor
- (100') of 3 strand anchor rode c/w (30') chain
- (4) Nylon mooring lines
- (3) Polyform fenders c/w dock lines

### **HVAC**

Domestic 16,000BTU AC unit

### **Generator**

Kohler 7.5kw Gasoline Genset  
power rooftop AC and must have 120v receptacles in locations to be determined during construction meeting(s) to power lights and for other equipment during firefighting and rescue operations. Fuel supplied by onboard tanks.

### **Cabin / Wheelhouse**

The cabin shall be constructed of aluminum and walk around design. Forward leaning is preferred although others may be considered.

Walls and ceiling will be insulated and covered.

Floors will be textured non-skid.

Walls & ceiling insulated & paneled

Overhead grab rails along centerline

Gray board cabin floors w/ vinyl backing

(2) Bentley Patriot helm chairs c/w mechanical suspension, swivel, slider & seat boxes

Stbd side bench seat c/w storage & ballistic nylon cushion

Port side cabinet

One bench seat for personnel seating and another area will be designated to secure a stretcher or backboard.

Windows will be designed and placed to provide a 360-degree view for the boat's operator.

Brow windows will be placed in the front of the cabin over the two helm chairs.

All doors and windows will be lockable and watertight.

All Windows .25" commercial grade glass c/w aluminum frames

(2) Windshields

(5) Windows in brow

(4) Fixed side windows

Doors (3) Sliding doors c/w windows & SS locksets

TrioVing lockset

The cabin will have a minimum interior height of 76 inches.

The roof of the cabin will have adequate space, brackets, and or posts to mount antennas, lights, cameras, etc.

### **Marine Electronics**

The following will be installed in areas to be determined during pre-construction meeting(s):

Garmin 7612xsv, 12" Multi-touch color chartplotter, sounder, GPS, US G2 charts

Garmin 12" Multi touch color monitor only

Garmin GXM 53 satellite receiver/antenna

600W SS transducer

GMR 18HD 4kW radar w/18" HD dome, 36 NM range

Garmin VHF 200 radio + loudspeaker

Premium electric trumpet horn

Ritchie V57 explorer compass

Icom MA-500TR AIS Transponder with MX-G5000 GPS Receiver<sup>9</sup>

### **Emergency and Duty Lighting and Equipment**

The following (at a minimum) will be installed in locations determined during pre-construction meeting(s):

Whelen 28.25-inch ultra-freedom light bar (red and white)

Whelen WPA 124 waterproof siren amp

Whelen WPA 2 waterproof control head

100-watt speaker

Flir M-324XP Thermal imaging camera, NTSC

### **Paint, Department Emblems, Reflective Markings**

The following will be applied to the boat at a minimum:

Anti-fouling bottom paint

Clear coat on all top side aluminum surfaces not otherwise painted

Gray Zolatone paint on the flat surfaces inside cockpit, work deck, cabin floor and other areas not otherwise painted striped or clear coated

Vinyl striping, reflective striping, numbering, lettering, and department decals will be installed in areas to be determined during construction meeting(s)

### **Trailer**

A trailer of appropriate size for the length and weight of the fire boat will fuel / equipment be provided, preferably triple axle aluminum I beam trailer with:

Torsion axles

Bunk style supports

Brakes

LED Lights

Spare tire(s)

Radial tires on aluminum wheels

Adequate bow stop assembly at the proper height

Boarding ladder on the trailer would be preferred, although trailers without will still be considered

**Training / Testing**

Minimum 4 hours open water testing (sea trial)

Minimum 6 hours operational training

**Warranty**

5 years from date of acceptance on hull of vessel and workmanship

All other components based on manufacture

**Documentation**

Operation and Maintenance Manual shall be supplied with the craft, to include OEM technical literature for all supplied equipment, operator/safety instructions, as-built boat drawings, and as built electrical system drawings. Original Bill of Sale and Manufacturer's Statement

**Design approval before construction.**

Preconstruction meeting (virtual or on site) prior to construction.

**Build time 180 -240 days****Delivery to Wilmington North Carolina**

- a) The Bidder shall arrange for delivery of the vessel by their personnel or by a commercial carrier.
- b) Prior to being prepared for shipping, the boat shall be cleaned, including a freshwater wash down, and with all systems preserved and covered. Bilges shall be dry and free of oil and debris. Batteries shall be fully charged with the battery cables disconnected.
- c) The Bidder shall deliver the boat and its trailer as directed. The boat and trailer shall be free of road debris and dirt before it arrives at the delivery location.
- d) The Bidder is responsible for safely off-loading the boat and trailer to the ground or water, at the specified delivery location in or around Wilmington, North Carolina.
- e) The Bidder shall be responsible for having Insurance and appropriate license plate or tag on the trailer while in transit.
- f) The County reserves the right, prior to final acceptance, to continue the operational evaluation of the vessel for a period of ten (10) business days after delivery. If during this evaluation period it becomes apparent that corrections/alterations must be made to comply with the features and specifications of the RFB, then the Bidder must make corrections at no additional cost to the County. The Bidder will have thirty (30) business days to correct any deficiencies and re-deliver the vessel to the County for re-evaluation at no additional cost to the County.