

TO: HARBOR DEPARTMENT PURCHASING OFFICE
BY MAIL: P. O. Box 786, Wilmington, CA 90748
DELIVERY: 500 Pier "A" Street, Berth 161
Wilmington, CA 90744

BID NO. F-737 Page 1
Show this number on envelope

Contract No. 39580

1. COMPLETE CONTRACT

This entire Bid Request shall become the contract upon its execution by the Executive Director on behalf of the Harbor Department of the City of Los Angeles. The complete contract shall consist of the entire Bid (including Specifications), this page and the reverse side, any addendums and when required, CONTRACTOR'S BOND. Contractor will be provided with a copy of the executed contract.

2. GOODS AND SERVICES TO BE PROVIDED BY THE CONTRACTOR

The Contractor agrees, upon acceptance of this offer by the City, to furnish the goods and services herein specified according to the terms and conditions as set forth herein.

3. AMOUNT TO BE PAID

The City agrees to pay the contractor for the goods or services in the manner described in the paragraph entitled "PAYMENTS" on the reverse side of this form. Unless otherwise indicated by the Bidder, remittance by the City for goods or services will be made to the address below.

4. CHOICE OF ALTERNATIVE PROVISIONS, OPTIONS, NOTIFICATION

When alternative provisions are requested, or options are offered, the contractor will be notified as to which provision, or option, is being accepted when notification is sent that the Contractor is the successful bidder.

5. DECLARATION OF NON-COLLUSION

The undersigned certifies (or declares) under penalty of perjury that this bid is genuine and not sham or collusive, or made in the interest or on behalf of any person, firm, or corporation not herein named; that the bidder has not directly or indirectly induced or solicited any other bidder to put up a sham bid, or any other person, firm or corporation to refrain from bidding, and that the bidder has not in any manner sought by collusion to secure any advantage over other bidders.

6. LEGAL JUSTIFICATION

This agreement shall be deemed entered into in Los Angeles, California, and shall be governed and construed in accordance with the laws of the State of California.

EXECUTED AT: Jeannerette, LA ON THE 22 DAY OF March, 2011
City, State Date Month Year

BIDDER MUST COMPLETE AND SIGN BELOW:

Firm Name Gravis Aluminum Boats, LLC dba Metal Shark Aluminum Boats
Phone (337) 364-0777 Fax (337) 364-0337
Address 6811/2 E. Admiral Doyle Dr. Jeannerette, LA 70544
Street City State Zip

[Signature] Carol Jimmy "Gravis" CEO
Signature Printed Name Printed Title
[Signature] Jan Gravis CEO
Signature Printed Name Printed Title

(AFFIX CORPORATE SEAL HERE)

Approved Corporate Signature Methods)

- a) Two signatures: One by Chairman of Board of Directors, President, or a Vice-President and one by Secretary, Assistant Secretary, Chief Financial Officer or an Assistant Treasurer.
- b) One signature by corporate designated individual together with properly attested resolution of Board of Directors authorizing person to sign.

NOTARIZATION: Bids executed outside the State of California must be sworn to and notarized below.

County of <u>Meria</u> State of <u>Louisiana</u> S.S. Subscribed and sworn this date <u>March 22</u> , 2011 <u>[Signature]</u> Notary Seal Signature <u>KATLY G. SAUCIE</u>	In witness whereof the Board of Harbor Commissioners of the City of Los Angeles has caused this contract to be executed by the Executive Director of the Harbor Department of said City and said Contractor has executed this contract the day and year written below. By _____ Executive Director Harbor Department Date _____	Approved as to Form <u>May 12, 2011</u> City Attorney BY <u>[Signature]</u> Deputy
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FORMAL REQUEST FOR BID

CITY OF LOS ANGELES
HARBOR DEPARTMENT

BID NO. F-737
(SHOW THIS NUMBER ON ENVELOPE)

BID DUE BEFORE 2:00 PM ON: March 11, 2011

- Bulkhead Mount for Seats with Storage
- SHOX 6300 (Shock Mitigating Seats)
- Canvas Cover for Console
- Collar Patch Kit
- (4) Stainless Steel Cup Holders
- Folding Training Seat
- T-Top and Console with Grab Rails
- Forward Console Storage Under Seat
- Wipers for Windshield
- Rail Package
- Dive Ladder with Storage
- (4) Recessed Floor Tied Downs
- Trim Tabs
- TrimTab Indicators
- Ensign Staff and Removable Sockets
- Commissioning Kit (includes Boat Hook with Mount, Ring Buoy with Mount, (6) Dock Lines, Anchor, Rhode, Chain, Line)
- (2) Fire Extinguishers
- Triple Battery System
- (3) Optima Blue Top Battery
- Shore Power with Chord
- Battery Charger
- Galvanic Isolator
- Electronics Distribution Panel
- Dimmer
- Defroster
- (2) 12V Outlet
- ICOM 504 VHF Radio
- Install Customer Furnished Radio Equipment
- Siren with PA and Control Head
- LED Light Bar
- Furuno NavNet 3-D Package with Open Array Radar
- Ritchie Compass with Dimmable Light
- AM/FM/CD/MP3 Stereo with Speakers
- (4) Spreader Lights – LED
- ACR Remote Spotlight
- Aluminum Trailer with Brakes, LED Lights, and Ladder
- (2) Trailer Tie Down
- Shrink Wrap

REQUEST FOR QUOTATION BIDDER RESPONSIVENESS. In order to be responsive, bidders shall complete and return all Quotation documents requested by the Port, including addenda, specifications, drawings and all forms.

It shall be the bidder's responsibility to **provide one (1) original and one (1) copy** of the completed Quotation documents. The original and all copies shall include all quotation documents requested by the

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Port, including addenda, specifications, drawings and all forms.

The Purchasing Agent may deem a bidder non-responsive if the bidder fails to provide all Quotation documents requested by the Port at the Quotation closing date and time.

ADDENDUMS. From time to time the Harbor Department may deem it necessary to issue an addendum(s) to modify or cancel a Bid Request. Such addendum(s) will be available on the Port of Los Angeles internet website – www.portoflosangeles.org and the Los Angeles Business Assistance Virtual Network website – www.labavn.org. It is the responsibility of the bidder to be aware of and respond to any such addendum(s) before the deadline of the applicable bid request. Failure to do so may deem the bid non-responsive.

AWARD. The Harbor Department reserves the right to reject any or all Bids, award Bid as a whole, split award or delete line items as it may deem necessary, unless otherwise stated herein.

SUPPLIER CONTACT INFORMATION:

Contact Person: Dean Jones

Title: National Sales Manager

Telephone No.: (561) 909-9788

Fax No.: (337) 364-0337

E-Mail Address: Djones@metalsheetboats.com

24 Hour Contact No.: (561) 909-9788

MAKES, MODELS & BRAND NAMES. Makes, Models & Brand Names referenced are for illustrative or descriptive purposes only, and are not intended to be restrictive to any particular product. If bidder proposes to furnish another product equal in quality and purpose, such bids will be considered as long as they materially comply with the specifications. Alternate Make, Model, Brand Names, and/or Catalog Number(s) must be indicated opposite each item in the space provided.

The specified Make, Model, and Brand Name must be furnished unless otherwise specified by bidder.

ILLUSTRATIVE AND TECHNICAL DATA. When quoting other than the specified brand or when no brand is indicated, Bidder must submit with bid, complete illustrative and technical data on materials or equipment proposed to be furnished. Failure to furnish such data may void bid.

AUTHORIZED DISTRIBUTOR/DEALER: Bidder must indicate if it is an authorized factory distributor/dealer for the manufacturer being quoted (please initial).

Yes: X No: _____

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If bidder is not an authorized distributor/dealer, the bidder shall submit with its Quotation a formal Letter of Certification from the manufacturer, stating that the manufacturer will honor any warranty claims by the City for equipment, parts, and/or materials provided by the bidder.

The manufacturer will be responsible for any default of the supplier that is not corrected by the supplier in a timely and efficient manner. This responsibility includes replacing incorrect or defective parts, trouble shooting, and correcting problems that are traceable to the manufacturer.

ADDITIONAL QUANTITIES. The Harbor Department desires the option to purchase additional quantities of above item(s) at the same prices, terms and conditions, providing that the total of any of the additional quantities does not exceed the total for that item, and providing that the Harbor Department exercise the option before: 9/1/2011.

NEW AND UNUSED. The equipment furnished shall be new and unused, current model.

DEALER SERVICE. All equipment furnished shall be completely serviced locally by the vendor prior to delivery. It shall be ready for operation when delivered. Any further servicing by the vendor will not be required except in connection with repairs or adjustments covered by the Manufacturer's or Dealer's warranty.

LICENSES. The vendor shall make the necessary applications and complete all transfer papers, including applying for exempt license. He/She shall furnish the Director of Port Construction and Maintenance, or his/her designated representative, evidence of having applied for license at time vehicle is delivered. The registered owner shall be shown exactly as outlined below on all forms where the registered owner is listed, (using abbreviations exactly as shown):

HARBOR DEPARTMENT
CITY OF LOS ANGELES
500 Pier A St.
Wilmington, CA 90744-6433

VEHICLE CODE. All vehicles shall conform to the California Vehicle Code and all other governing requirements.

MAKE AND MODEL.

Make and Model quoted: Metal Shark 28 Relentless

GVWR: _____ # Engine: Twin 225 Honda Outboards

TIRE FEES. Tire fees shall be included in the unit price.

GVWR. All vehicles shall meet the Federal GVWR rating and all components shall have corresponding GVWR ratings. Any vehicle that requires a larger wheel and tire size on the rear axle shall have an equal size wheel and tire on the front axles, unless otherwise specified.

NOTIFICATION. The vendor shall notify the Harbor Department at (310) 732-3550 not less than five (5) days in advance that the vehicle is ready for the following inspections: (1) Pre-delivery inspection of completed vehicle, (2) Final inspection at point of delivery.

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DELIVERY POINT. Prices to include all delivery charges, F.O.B. the Harbor Department, Port Police – Fiscal Operations, 300 E. Water Street, Wilrrington, CA 90744.

DELIVERY. Delivery is requested as soon as possible after vendor receives order. If this time cannot be met, show in the space provided on the Bid Sheet the best delivery time you can guarantee. The Harbor Department reserves the right to make award based on delivery time quoted.

BILLING DISCOUNT TERMS. Billing Discount terms offering 20 days or more will be considered in making evaluation for award.

SALES TAXES. Do not include Sales Taxes in your Bid. Sales Taxes will be added at time of order.

FEDERAL EXCISE TAX. The City of Los Angeles Harbor Department is exempt from payment of Federal Excise Taxes, and will furnish vendor with a Tax Exemption Certificate. **PRICING NOT TO INCLUDE ANY FEDERAL EXCISE TAX.**

SALES TAX PERMIT. Vendor's California State Board of Equalization Permit No. required to collect California State Sales Tax. Permit Number: _____.

VENDOR PAYMENT. Please note. Vendor name and address must be submitted exactly as it will appear on the invoice. If invoice remit to (remittance) name and address are different from the bid name and address, please indicate:

REMIT TO: NAME: Metal Shark Aluminum Boats

ADDRESS: 6816 E. Admiral Doyle Dr.

Jeannerette, LA 70544

Invoices submitted for payment where the invoice name and address does not match the name as it appears on the purchase order or as indicated in the space above, will not be processed and will be returned to the vendor.

COMPLIANCE WITH LAWS. Vendor shall comply with all applicable Ordinances, laws, Rules and Regulations of the City and of any County, State or Federal Government, or subdivision thereof.

DEFAULT BY SUPPLIER. In case of default by Vendor, the City reserves the right to procure the articles or services from other sources and to hold the vendor responsible for any excess costs occasioned to the City thereby.

EQUAL BENEFITS POLICY. The Board of Harbor Commissioner of the City of Los Angeles adopted Resolution No. 6328 on January 12, 2005, agreeing to adopt the provisions of Los Angeles City Ordinance 172,908, as amended, relating to Equal Benefits (Section 10.8.2 et seq. of the Los Angeles Administrative Code) as a policy of the Harbor Department. Bidder shall comply with the policy whenever applicable. Violation of the policy shall entitle the City to terminate any agreement with Bidder and pursue any or all other legal remedies that may be available.

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MINORITY, WOMEN, AND OTHER BUSINESS ENTERPRISE (MBE/WBE/OBE): It is the policy of the Los Angeles Harbor Department to provide minority (MBE), women (WBE) and all other (OBE) business enterprises an equal opportunity to participate in the performance of all Harbor Department contracts. Such opportunities have resulted in combined M/WBE participation of over 20%. Bidders are encouraged to continue assisting the Department in implementing this policy by taking all reasonable steps to ensure that all available business enterprises have an equal opportunity to compete for and participate in Department contracts. All bidders are encouraged to reach out to M/W/OBEs when opportunities are available.

BUSINESS TAX REGISTRATION CERTIFICATE (BTRC). In accordance with the City of Los Angeles Municipal Code, a Business Tax Registration Certificate may be required of persons engaged in business activity within the City. The Office of Finance, Tax and Permit Division, (213) 626-9271, has sole authority in determining a firm's tax requirements and in issuing Business Tax Registration Certificates or Business Tax Exemption Numbers. Accordingly, firm's current Business Tax Registration Certificate or Business Tax Exemption Number must be clearly shown on all invoices submitted for payment. Bidder, in submitting this bid, acknowledges and accepts the above requirements and recognizes that no invoice will be processed for payment without inclusion of the Business Tax Registration Certificate or Business Tax Exemption Number.

TAXPAYER IDENTIFICATION NUMBER. Contractor declares that it has an authorized Taxpayer Identification Number (TIN), which must be indicated on all invoices. No payments will be made under this agreement without a valid TIN number.

SPECIAL NOTE. If you are not bidding, please state reason for not bidding and return bid to the Purchasing Office:

FORMAL REQUEST FOR BID

CITY OF LOS ANGELES
HARBOR DEPARTMENT

BID NO. F-737

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GENERAL CONDITIONS READ CAREFULLY

1. **FORM OF BID AND SIGNATURE.** The Bid must be made on this form only, and is limited to the Terms and Conditions contained herein, unless expressly agreed otherwise in writing by the City. No telephonic or facsimile bid is acceptable, unless otherwise indicated. Bid should be enclosed in a sealed envelope, showing the Bid No. in the lower left corner, and addressed to the Port of Los Angeles Purchasing Division, 500 Pier "A" Street, P. O. Box 786, Wilmington, CA 90748. Bids must be signed with the firm's corporate name or DBA and by a responsible officer or authorized employee. In case of error in extension of prices, unit price will govern. All prices must be firm unless the specification provides for adjustment.
2. **TAXES:** Do not include any Sales or Federal Excise Tax in prices unless the specifications specifically require that they be included. Sales tax will be added by the City at time of award. The City will furnish Federal Excise Tax Exemption Certificate to Supplier. Any other taxes must be included in bid prices.
3. **SPECIFICATION CHANGES.** Bidder may request in writing that specifications be modified if its provisions restrict bidder from bidding. Such request must be received by the Director of Purchasing at least five (5) working days before bid opening date. All bidders will be notified by Addendum of any approved changes in the specifications.
4. **BRAND NAMES AND SPECIFICATIONS.** The detailed specifications and/or brand name references are descriptive and indicate quality, design, and construction of items required. Offers will be considered to supply articles substantially the same as those described therein but with minor variations. Bidder must describe variations in their Bid.
5. **AWARD OF CONTRACT.** Bid shall be subject to acceptance by the City for a period of three (3) months unless a lesser period is prescribed in the quotation by the bidder. The City may make combined award of all items complete to one bidder or may award separate items to various bidders. Bidders may submit alternate prices, a lump sum or a discount conditional on receiving an award for two or more items. The right is reserved to reject any, or all, bids and to waive informality in bids.
6. **PURCHASE AGREEMENT.** A copy of the Bid, Specifications and General Conditions will remain on file in the Purchasing Office. All material or services supplied by the Contractor shall conform to the applicable requirements of the City Charter, City Ordinances, and all applicable State and Federal Laws, as well as conforming to the Specifications, Terms and Conditions contained herein.
7. **PRICE GUARANTEE.** If during the term of any agreement awarded pursuant to this Bid, the supplier sells the same materials or services under similar quantity and delivery conditions, at prices below those stated herein, such lower prices are to immediately be extended to the City.
8. **DEFAULT BY SUPPLIER.** In case of default by supplier, the City reserves the right to procure the articles or services from other sources and to hold the supplier responsible for any excess costs incurred by the City.
9. **PAYMENTS.** Payment terms are NET 30 days unless bidder quotes otherwise. Cash discounts allowing less than 20 days or 20th Proxima will not be considered by the City when evaluating Bids. All Cash Discounts are computed from the date of delivery in full or completion and acceptance of the work or material, or from date of receipt of invoice, whichever is latest. Partial payments may be made by the City on delivery and acceptance of goods and on receipt of vendor's invoice. Invoices must be submitted as specified on the Purchase Order or Notice to Proceed.
10. **ASSIGNMENT.** The supplier shall not assign or transfer by operation of law any obligation without the prior written consent of the Director of Purchasing.
11. **NONDISCRIMINATION.** During the performance of this contract, the contractor shall not discriminate in employment practices against any employee or applicant for employment because of the employee's race, religion, national origin, ancestry, sex, sexual orientation, age, disability, marital status, domestic partner status or medical condition, in accordance with L.A. Admin. Code Sections 10.8 to 10.13, whose provisions are incorporated herein. All subcontracts awarded under any such contract shall contain a like nondiscrimination provision.
12. **SAFETY APPROVAL.** Articles supplied under this contract will not be accepted unless they comply with current safety regulations of the City Department of Building and Safety, U.L., the Safety Orders of the California Division of Occupation Safety and Health (CalOSHA) and OSHA requirements.
13. **PREVAILING WAGES.** Where labor is required for public work as a part of this contract, pursuant to the provisions of the Labor Code of the State of California, contractor shall pay no less than the general prevailing wages for the area as determined by the Director of the Department of Industrial Relations, State of California. Copy of wage schedule is obtainable from the Office of the Board of Public Works, City Hall, Los Angeles.
14. **CONTRACTOR'S LIABILITY.** The contractor agrees to, at all times, relieve, protect, save harmless, and fully indemnify the City of Los Angeles, its officers, agents and employees from any and all liability whatsoever that may arise or be claimed by reason of any acts of said contractor, contractor's employees and agents, in connection with the work to be performed under the contract.
15. **PATENT RIGHTS.** The person, firm, or corporation, upon whom this order is drawn, does, in case the materials or supplies to be furnished are covered wholly or in part by U.S. Letters Patent, by the acceptance of this order agrees to indemnify and hold the City of Los Angeles harmless from any and all injuries or damage which the City may sustain by reason of the sale to or use by it of such materials or supplies and arising out of the alleged or actual infringement of said letters patent.
16. **LEGAL JUSTIFICATION.** This agreement shall be deemed entered into in Los Angeles, California, and shall be governed and construed in accordance with the laws of the State of California.

THE END

No. 285 Rev. 4/07-116



**BID Proposal for 28 Relentless
Patrol Boat – F-737
Contract 39580**

Metal Shark Aluminum Boats
Dean Jones
National Sales Manager
6816 E. Admiral Doyle Drive
Jeanerette, LA 70544
www.metalsharkboats.com

Bid Notes

1. The 28 Relentless is 100% designed and manufactured vessel by Metal Shark Aluminum Boats (Gravois). No other vendor, manufacturer, dealer, or distributor has the rights to build, sell, or distribute this product. Metal Shark Boats is the sole source manufacturer and distributor of the 28 Relentless.
2. The proposed vessel meets all requirements to exact specifications per BID documents.
3. Delivery Schedule: Boat 1: 150 Days, Boat 2: 165 Days, Boat 3: 180 Days, Boat 4: 195 Days
4. GSA# GS-07F-0362T

Signature _____

Date _____

3/8/2011



As a Louisiana based company operating for over 25 years, we take pride in providing special attention to agencies with special needs. Metal Shark Boats will assign a specific project manager to your office who will be available twenty four hours per day, seven days per week, and three hundred sixty five days per year. Our company realizes that the needs of Government agencies extends beyond the 8-5 work day and includes holidays, nights, and weekends. Due to the important nature of the work this vessel perform, Metal Shark will ensure immediate response to your needs and will be happy to offer our resources for the completion of your missions.

Our company specializes and only builds for Government and Commercial agencies. Our boats have a 20+ year life span and can withstand the toughest tests. Our company has seen significant growth and is now operating with a staff of over 90 employees. Recently, Metal Shark was awarded the Lantern Award for our continued growth and development which has provided new jobs to local citizens in need and helped to stimulate the state of Louisiana's economy.

History of Metal Shark

Gravois Aluminum Boats, LLC. was founded in 1983 by Jimmy Gravois. After more than 20 years of building near-legendary boats, Mr. Gravois teamed with American Marine Holdings (AMH), parent company of Donzi and Proline, to introduce Metal Shark Boats. This joint venture between Mr. Gravois and AMH was formed to enter the military markets, and in 2005 Metal Shark introduced a series of welded aluminum patrol boats. The 25u/27u models were a near instant success and led to the award of a \$22 million dollar IDIQ (Indefinite-Delivery-Indefinite-Quantity) contract to replace the US Coast Guard fleet of Trailerable Aids to Navigation Boats (TANB). Soon thereafter, due to a change in business direction, AMH sought to divest their share of Metal Shark. Thus in early 2006, Jimmy Gravois and partner Chris Allard, former Vice President of Government Services at AMH purchased Metal Shark from AMH.

Production of the USCG TANBs commenced in 2006. To date, 62 of 100 total craft have been delivered and are in service. In 2007 Metal Shark won a second USCG contract, the Special Purpose Craft – Shallow Water (SPC-SW), a 90-boat procurement totaling \$23 million. Production of SPC-SW boats started in early 2008, with 17 delivered to date. In order to meet rising demand, Metal Shark purchased the adjoining 8 acres to their existing production facility and underwent a 10,000 sq-ft expansion more than doubling manufacturing capacity. This, coupled with the implementation of state-of-the-art technology by Metals Shark's team of in-house naval architects dramatically reduced production times and increased efficiency. Today Metal Shark can build a 25' center console boat in just ten production business days.

2008 saw the further solidification of Metal Shark as a serious player in the commercial and military markets. Metal Shark was awarded a 54 boat, \$6.2 million US Army contract and also introduced the new 27' Pilot which was selected by the US Navy as the next Force Protection Boat - Small (FPB). Seven of the FPBs have been built and delivered to the US Navy with contract proposals underway for an additional ten vessels.

In 2009 Metal Shark identified its lack of visibility in the non-military markets. In response to the important needs of these segments, Metal Shark added dedicated staff to pursue state, local, municipal and international opportunities. Dean Jones has been recruited as the National Sales Manager and tasked with developing and growing sales in these non-military segments. Dean Jones has been involved in Government Sales Management for seven years. He started his career as a sales manager for Mercury Marine's Government and Commercial Division. After four successful years, Dean was promoted and transferred to the Brunswick boat Group where he spent the next two and a half years growing the Government and Commercial markets for Brunswick's many boat brands. Dean has been with Metal Shark for eight months and in addition to sales growth, has taken over on-site customer training as well as all marketing and advertising endeavors.

Today Metal Shark has an approximately 100-boat, \$20 million dollar backlog and working to secure additional contracts totaling more than \$300 million.

Metal Shark utilizes advanced 3-D modeling to generate precise cut files for every hull and component on our boats. All parts are cut using computer controlled routers and water jets. In combination with the use of jigs and fixtures, Metal Shark guarantees accurate and repeatable craftsmanship to ensure the highest level of quality assurance. Our unique construction process includes our interlocking and criss-crossing stringers and bulkheads which form the skeleton of the boat. The deck plating is then connected to the skeleton providing unmatched hull strength, durability, safety, and life-cycle. To complete the hull, pourable expanding foam is introduced to add flotation, safety, and prevent water intrusion. All boats are designed by our team of Naval Architects and Marine Engineers and constructed of the highest quality 5086 aluminum alloy, stainless steel, and carefully researched and proven accessory products and ancillary components, which allows us to offer the most unique, durable, and dependable Government craft in the market.

Our company prides itself on offering the highest quality products and after sale service at the best value pricing in the industry. Our ability to produce large Government boat contracts gives us the unique ability to offer extensively discounted costs to our customers whether they buy 1 boat or 100 boats.

Please feel free to contact me with any questions or necessary clarifications during your review process. I will make myself available at your convenience to provide any and all information needed during the decision making process.

We look forward to an opportunity to work with your agency.

Best regards,

Dean Jones
National Sales Manager
561-909-9788
djones@metalsharkboats.com

Sample of current customers

Customer	Boat	Qty	Government Program
US Navy	38 Defiant		2 FPB-L
US Navy	27 Defiant		19 FPB-S
US Navy	28 Relentless		2 FPB-S Training
US Navy	25 Courageous		4 UBS
US Navy	25 Courageous		4 UBS-Dive
US Coast Guard	38 Defiant		16 Training Boat
US Coast Guard	27 Courageous		100 TANB
US Coast Guard	24 Relentless		90 SPC-SW
US Coast Guard	23 Courageous		20 CB-L
US Coast Guard	18 Relentless		18 CB-M
US Coast Guard	16 Resolute		60 ATON Skiff
US Coast Guard	28 Relentless		1 Prototype Test Boat
US Army	24 Relentless		54 Landing Craft
Special Forces	28 Courageous		2 Dive
Special Forces	27 Courageous		2 Dive
LA Wildlife and Fisheries	40 Fearless		3 Drug Interdiction
Atlantic Methonal Production Company	38 Defiant		1 Security
Delaware State PD	35 Defiant		1 Law Enforcement
Virginia Beach PD	35 Defiant		2 Law Enforcement
WI DNR	31 Pilot House		1 Law Enforcement
Andrie Incorporated	28 Relentless		1 Crew Boat
LaFourche Parish SO	27 Defiant		1 Law Enforcement
Falmouth Harbormaster	27 Courageous		1 Law Enforcement
Pointe Coupee SO	25 Courageous		1 Law Enforcement
MI DNR	25 Courageous		1 Law Enforcement
Ramsey County SO	24 Relentless		1 Law Enforcement
Vermont State PD	24 Relentless		1 Law Enforcement
Virginia Port Authority	24 Relentless		1 Fire Response

Note: This is only a sample of customers and does not reflect all customers or available models.

Construction Description

Metal Shark believes in the art of repeatability. To make this a reality, Metal Shark designs all hulls and components using advanced 3-D software. These designs are then fed into a computer that transfers the information to a router that then cuts each and every piece that will be used on a particular vessel. This process guarantees the highest and most dependable quality. Our process eliminates the possibility of human error, and offers measurable and consistent accuracy for every Metal Shark Boat produced.

Metal Shark has also developed its own unique manufacturing process that incorporates extensive engineering and physics. The outcome is a versatile craft that has unparalleled strength, structural integrity, and a life span of over 20 years. Metal Shark uses only the highest quality 5086 Aluminum Alloy for all structures. The incorporation of bends in place of welds allows us to reduce weight, increase efficiency, and offer the toughest government boat in the market.

The structural integrity starts with the internal structure of the hull. The "skeleton" of the vessel is constructed of longitudinal and transverse, structures that interlock with each other to create the backbone of strength for each and every Metal Shark boat. The longitudinal structures are deck height as are the transverse bulkheads. The bulkheads span the entire beam of the boat. Each of these structures interlock and are welded together for maximum rigidity.

The deck in each Metal Shark Boat also contributes to the strength of the hull. The deck is fully welded to the hull and all deck height transverse bulkheads and longitudinal girders. This attachment provides unmatched strength, which allows us to reduce excess aluminum use, which reduces weight, and provides more efficient fuel economy. Expandable foam is then introduced to all open areas to assure no water intrusion is possible.

Alloy Matrix

Item	Aluminum Alloy	Gauge
Bottom Plate	5086	1/4"
Side Plate	5086	3/16"
Deck Plate	5086	3/16"
T-Top Plate	5086	1/8" and 3/16"
Console Plate	5086	1/8" and 3/16"
Transom Plate	5086	1/4"
Bulkhead Plating	5086	1/4"
Framing Plate	5086	1/4"
Keel	5086	3/8"













