

# BASELINE EXPLORER

General Specification Sheet  
April 2015



## GENERAL SPECIFICATIONS

- Type Private Research Vessel
- Builder New Generation Shipbuilding
- Gross Tonnage 488
- Net Tonnage 146
- Year Built 2013
- Official Number 1247878 USCG
- Inspected Yes (Coast Wise)
- ABS Load Line Only
- Anchors (2) Danforth 750# Anchor
- Windlass ABS Certified ACME Dbl. Horizontal
- Life Rafts (2) 16man SOLAS CLASS Zodiac

## DIMENSIONS

- Length 146'
- Beam 36'
- Depth 12'
- Clear Deck 80'x30' Clear Deck Square
- Footage 2400 S.F. Deck

## PROPULSION

- Main Engines (2) ABS Cert Cummins K38M Tier 2
- Max Horsepower 2000HP @ 1800RPM
- Gears Twin Disc MGX-5321
- Performance\* 9 knots @ 1100 RPM  
10.8 knots @ 1200 RPM  
12.1 knots @ 1500 RPM  
13 knots @ 1700 RPM using 85 gallons per hour with one generator on line.  
\*Performance will vary with atmospheric conditions and vessel loading and are not guaranteed.

## STEERING

- Rudders (2) ABS Certified Ven Der Velden
- Dual Independent 25-HP Redundant HPU
- Electro-Hydraulic Bow Thruster ABS Certified Thrust Master 36 TT250 (250HP)  
Bow Thruster Engine ABS Certified Cummins QSM-11 350HP

## GENERATORS

- (2) ABS Certified Cummins 6CTA 185KW @ 1800RPM
- Portable 150KW Trailer Mounted Generator

## ACCOMMODATIONS

- Certified to Carry 24 Persons
- Berths 24 Berths
- Heads 5 Full
- Company Man Room Desk / Work Station / Private Head

## CAPACITIES

- Ships Fuel 77,550 gal
- Potable Water 3,460 gal
- Ballast Water (Can be used for Potable) 89,575 gal
- Total Water 103,035 gal
- Lube Oil Storage 840 gal
- Dirty Oil 1,280 gal
- Hydraulic Oil 440 gal
- Sewage 950 gal each

## Compressors / Hydraulics

- Ships Air, (2) Quincy F 325
- SCUBA, BAUER MVT-26 6000-PSI
- NITROX MAKER, BMG-NM10CS
- TRIMIX/HELIOX, BMG-MASTERLINE BOOST PUMPS
- CHAMBER SUPPORT, KAESER AT11 BAP
- Deck Equipment HPU Redundant 50-Hp, 21Gph, 4300-PSI, VFD controlled and pressure compensated to service A-FRAME, Deck Crane and Deck Accessories

## ELECTRONICS

- DP1 System, Beier Radio Twin Station with (2) 15' LCD Touch Screen and Joystick
- Radios, (2) ICOM VHF, (1) FURUNO Single Side Bank with Necoder
- Navtex, JRC NCR333A
- Loud Hailer, Furuno LH3000 (2) horns & speakers
- Depth Finder, Furuno FCV 620
- Radars (2) Furuno (1) FR8122 (1) FR8062
- AIS System, Furuno FA150

## GALLEY

- Seating for 24 persons
- Walk In Cooler
- Walk In Freezer
- Standard Fridge (1) Double, (1) Single
- Ice Maker 240 lbs. a day capacity

## DECK EQUIPMENT

- A-FRAME Rear Deck Mounted, 16-foot wide x 33-foot tall, 15-TON Rated, with Braden Personnel Rated CH280 Hydraulic Winch with 400-ft of 12-strand 1" Plasma Rope, 13-ft reach to center off stern swim step
- CRANE - PALFINGER PK-32,000M with winch and chair control station
- Deco Chamber AA-54-DDC with LP and HP Supply

## TENDERS

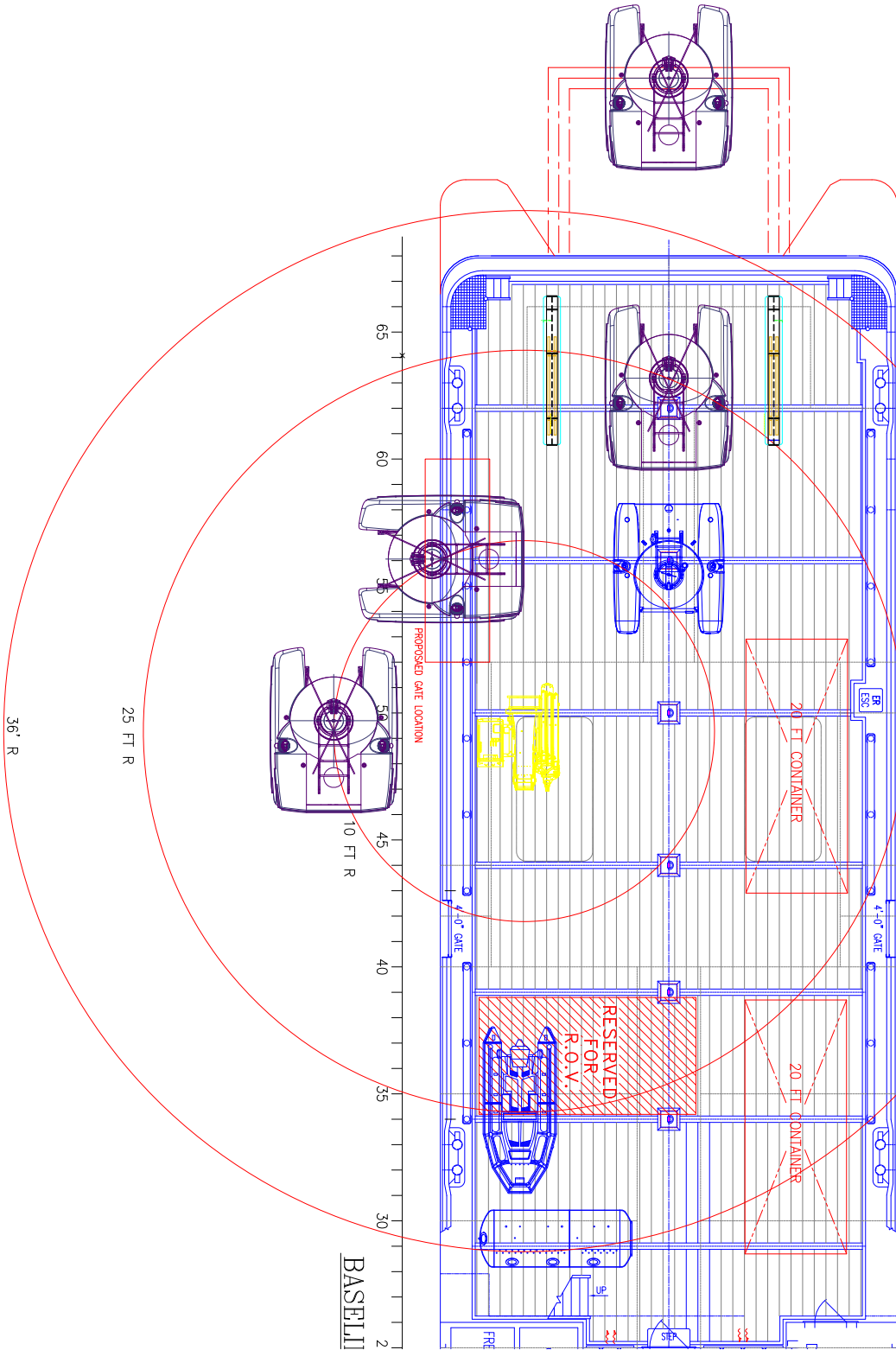
- RHIB 28-foot Protector Targa with Twin Yamaha 115 Gasoline Outboards pilot house configured for submersible and remote sensing support. DC-AC 3500 watt inverter equipped with large house battery banks.
- RHIB 25-foot center console configured for diver support, twin Yamaha 115 gasoline outboards
- Fast support vessel 38-foot custom Fountain center console outfitted for diver support, cargo ferrying, personnel exchange to shore, 40-knot cruise 400-mile range, 50 knot max 250 mile range
- SUB-TENDER NOVURANIA 14-foot SOLAS soft bottom inflatable with 25-hp HONDA 4-stroke electric start, trim and tilt

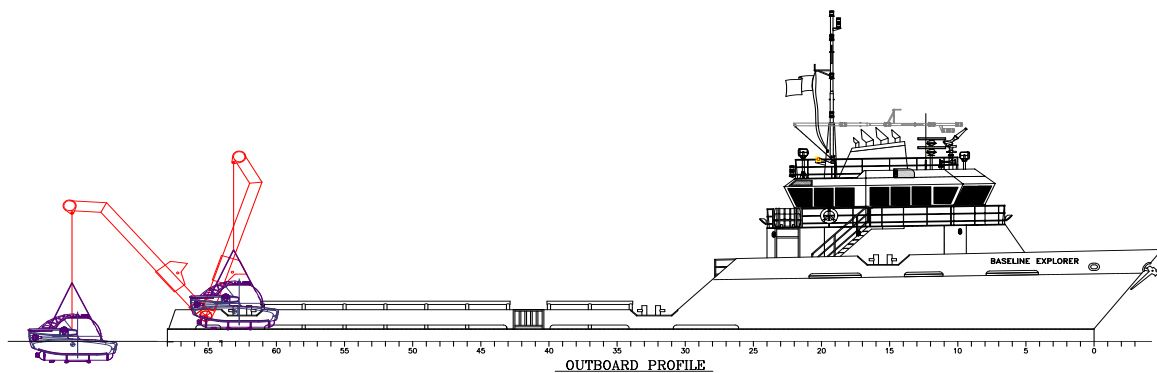
## FIRE MONITOR

- Water Cannon Crane Deming "5063", 2200GPM @ 260' TDH

## LOUNGE AREA

- Galley Seating Downstairs, Equipped with TV and DVD, Upstairs Equipped with TV, DVD, and Sofa.





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