

# 26 ft. Custom Bellecraft Aluminum Pilothouse Cruiser

<b>Hull Number:</b>	FQM 26119K405
<b>Builder:</b>	Fino Motion Products 2820 28 <sup>th</sup> . Ave. SE Naples, Fl. 34117 Loren Bell, designer and builder
<b>Vessel Use:</b>	Carry eight persons for personal/pleasure use coastwise or ocean.
<b>Design</b>	
<b>Philosophy:</b>	Safety, durability, simplicity, accessibility and visibility.
<b>Design Criteria:</b>	Allow a couple to safely cruise the Intra-Coastal Waterway from Connecticut to the Mississippi River and to be able to stay aboard for several days to several weeks. Attain a cruising speed of 20 - 25 knots and a top speed of 30 - 35 knots on a single engine. Cruise at "trawler" speed of 5 to 7 knots. Have a sharp entry in the bow with considerable reserve buoyancy to provide excellent sea keeping ability in heavy seas. Have a wide beam which would make her stable and provide the internal area to accommodate the necessary living amenities. Have a pilot house to provide protection from the elements and be air conditioned for operation in a tropical climate. Have a cockpit large enough for fishing or entertaining.
<b>Why</b>	
<b>Aluminum:</b>	Durability and the ability to achieve the desired features which are not available in production fiberglass boats. Also, its light weight, as compared to fiberglass, allows for propulsion by a single outboard.
<b>Construction:</b>	All welded marine grade # 5052 aluminum to U.S. Coast Guard rules and regulations C.F.R. 33 for intended use and Lloyd's Rules.
<b>Structural:</b>	Collision Bulkhead..... .190" Water Tight Compartments [3]..... .190" Bulkheads ..... .190" Bottom Plating..... .190" Hull Sides, decks and pilot house..... .125" Frames: Sides.....Channel 3" x 1" x .125" Bottom..... Channel 3" x 1 1/4" x .250" Gunwales..... Tubing Schedule 40 x 1.5" Keel: Two bottom plates are continuously welded both inside and out along with a doubler plate on the inside the cross section of which resembles an inverted letter "A". Bow Rail..... Tubing Schedule 40 x1 .625"
<b>Dimensions:</b>	Length - hull only..... 25' 11 1/2"

Length - with engine bracket..... 28' 4"  
 Bridge clearance - with dingy davit up..... 12'  
 Beam - amidships..... 10'  
     transom..... 9' 6"  
 Draft - engine up..... 12"  
     engine down..... 30"  
 Displacement with full fuel and water tanks and equipment +/- 6,200 lb.  
**Capacities:** Fuel..... 153 U.S. Gal.  
 Water..... 35 U.S. Gal.  
 Waste ..... 25 U.S. Gal.

**Trailer:** 2007 Venture dual axle all galvanized..... Model BT7200  
             Light weight 1772 lb.            Gross weight 8975

**Propulsion:** Main Engine.....2002 Honda BF225, 225 H.P., Four Cycle, 30" shaft  
 Honda was selected for their reliability, low noise level, their 35 years of building four cycle outboards and their compliance with the 2006 E.P.A. standards.  
 Two S.S. propellers ..... 1-three blade & 1-four blade  
 A transom bracket, gear shift controls, steering linkage and starting wiring are installed for the future addition of an auxiliary motor. And hour meters and fuel filters are also installed.

**Fuel System:** 150 Gal. gas tank is constructed of aluminum, is removable and has internal baffles to reduce free surface effect.  
 Tank has a sump into which the pick-ups to the engines extend.  
 Sump is to capture any water or contaminates that may be taken aboard in fuel from contaminated sources.  
 Contaminates will flow with the fuel to the two Racor 120R-R4C-01 fuel filters which are plumbed in parallel for the main engine or a Racor 110A filter for the auxiliary engine.  
 Parallel plumbing of two fuel filters for the main engine which allows for switching between filters for draining or servicing while under way.  
 This configuration performs constant cleaning of the fuel tank and fuel.  
 Safe-T-Alert gas / propane fume detector..... MCC 8525  
 There is also a second pick-up for draining the tank if that ever becomes necessary.  
 The tank fill / vent protects against overboard discharge of fuel when filling.  
 All filters are located in the lazarette.

**Performance:** Main Engine: Top speed.....32 knots medium - 33 knots high  
                     Cruise speed.....22 knots medium - 26 knots high  
 Engine can be run at 6-7 knots (trawler speed) without loading up.

**Instrumentation:** Tachometer.....Honda engine control package  
 Engine Tilt and Trim.....Honda engine control package  
 Flo Scan Fuel Flow Monitor:..... 5532-231-1

Inclinometers..... 2ea. Levogage 7301-C  
 One mounted fore and aft and one mounted athwart ship.  
 Corrosion monitor  
**Steering:** Teleflex Sea Star Hydraulic with 15" stainless steel wheel.  
**Electrical:** Wire is stranded marine grade.  
 Wire type, gauge, etc. conform to U.S. Coast Guard regulations for working potential.  
 Wire is run in conduit to compartments or terminating at equipment.  
 Switches, circuit breakers, controls, etc. are all located at the helm station.  
 Three Hella switches to provide on / off and parallel switching of the batteries located in the lazarette.  
 Two 110 volt outlets - one in the galley and one in the pilot house after bilge compartment to run air conditioner.  
 Battery Charger:..... Statpower True charge 20 + amp. multi- stage  
 Batteries:..... 2 Deca 1231 HD 12 volt 9 (1100 CCA) in protective boxes.  
**Generator:** 25 Amp. shore tie power cord with transfer and polarity warning.  
 Honda EU1000i, 1000 Watt, four Cycle  
 The generator powers the microwave oven and has 8 amp. 12v. battery charging capability.

**Water Tank:** Tank: ..... Todd 35 Gallon  
 There are 10 gallons more in the water tank than in the waste tank so that the boat can be washed down when at anchor or when ever dockside water is not available.  
 Tank can be removed through a deck hatch.

**Plumbing:** Schedule 40 P.V.C. pipe and valves sized according to use.  
 Check Valves:.....Whale 1" LV1215  
 Potable Water Pump: ..... 1 Par-Max auto on demand system  
 Raw Water Wash Down Pump: ..... 1 Par-Max auto on demand system  
 Intakes and discharge thru hulls are aluminum and welded to the hull.

**Insulation:** Cabin and pilot house are sprayed with Zapper thin film insulation and also, contain two layers of foam board with a foil layer.

**Paint:** All interior and weather decks have non skid paint.  
 All exterior surfaces are coated with Veriprime colar epoxy and top coated with Verithane 9000 urethane paint.  
 Bottom has been sandblasted, primed with PettitAlumaProtect 4400/4401, two thick coats of barrier coat and two coats of black anti fouling paint.

**Safety Equipment:** Life Jackets..... 2 Type I, 6 Type II, 2 Type III, 2 Child  
 Life Ring..... 1 24" [orange] with line and water light  
 Life Cushions..... 2 Type IV  
 Flares..... Orion 12- gauge alert / locate 12AL-D

	First Aid Kit.....	West Marine 300 Series
	Fire Extinguishers (2).....	U.S.C.G. size II Dry Chemical
	Carbon Monoxide Detector.....	Safe-T- Alert 60-541
<b>Horn:</b>	Single trumpet 12 volt .....	Orgairo 10027
<b>Navigation:</b>	Magnetic Compass.....	Ritchie SS1000 Flush Mount with Light
	Fluxgate Compass.....	KVH AZ 1000
	G.P.S. / W.A.A.S.....	Raytheon Raystar 120 Sea talk
	Radar / Chart plotter.....	Raytheon RL 70 RC
	Radar Antenna.....	Raytheon 2Kw 18" dome
	Depth Sounder.....	Raytheon L470
	Chart Light.....	Chartlite # 1400S
	white / red, spot, flood, momentary, fixed and detachable.	
	Electronic C-Map NT.....	Long Island Sound and surrounding waters.
	Paper chart books	
<b>Communications:</b>	V.H.F. / F.M. Radio - fixed mount.....	Standard Horizon Intrepid
	V.H.F. / F.M. Antenna.....	Shakespeare 5225-XT
	A.M. / F.M. Antenna.....	Shakespeare
	Antenna Mounts.....	Shakespeare Stainless Steel
	Loud hailer.....	Standard Horizon LH - 5
	Loud hailer speakers (1 facing forward and one facing aft)	Standard Horizon
	220SW	
	AM / FM Cassette.....	Jensen MCC8525
	AM / FM Cassette speakers.....	2ea. Standard Horizon AS101W
<b>Navigation</b>		
<b>Lights:</b>	International lights for vessels of 12 through 20 meters.	
	In accordance with the International and Inland Rules for the Prevention of Collision at Sea.	
	Masthead /anchor light mast folds down to reduce bridge clearance.	
<b>Bilge Pumps:</b>	One pump in each of three water tight compartment each with its own auto/manual switch and light at the helm.....	Attwood 1100
	All bilges have inspection access and the aft two can accommodate an average size person.	
<b>Air</b>		
<b>Conditioning:</b>	Mermaid M5 5200 B.T.U. with thermostat and raw water pump.	
<b>Deck</b>		
<b>Equipment:</b>	Fenders.....	6 ea. Taylor 8" x 20" Big B
	Fender boards.....	1 ea. 36" 1 ea. 48"
	Dock lines.....	4 ea. 7/16" x 36'
	Boat Hook / Deck Brush / Skiff Hook	
	Bow bit / hawse pipe.....	3"
	welded to internal frames and fore deck.	
	Forward spring bits.....	2 ea. 11/4" "T" type
	Mid-ships spring bits.....	2 ea. 1/14" "T" type

<b>Anchoring:</b>	<p>Stern bits..... 2 ea. 1 1/4" "H" type  Delta Anchor..... FS 14 lb.  Stowed in anchor roller on fore deck</p> <p>Fortress Aluminum Anchor..... FX-11  Stowed in chocks in pilot house forward bilge compartment</p> <p>Danforth Deepset Anchor..... T11-1800  Stowed in chocks in pilot house forward bilge compartment</p> <p>Bitt / hawse pipe welded to the internal frames and fore deck</p> <p>Chain..... 5/16" galvanized proof coil 1- 6ft., 2- 9ft.  Shackles.....[6] 3/8" galvanized for linking the chain to create a 15, 18 or 24 ft. length.</p> <p>Line..... 3 lengths of 150 ft. ea. twisted three strand nylon. Two lengths are 7/16" Dia. and one is 1/2" Dia..</p> <p>Anchor rode locker in the fore peak that has provision for tying off the standing end of the anchor line. It is accessible through the collision bulkhead and is drained over board.</p> <p>Chaffing Gear..... 2- Chafeard 1/2 - 5/8"  Stainless Steel wire for seizing of shackles  Black ball "at anchor" day shape</p>
<b>Inflatable:</b>	<p>West Marine 9' 6' ZSB-285 with oars, inflator / deflator and tie down straps for stowage on top of the pilot house overhead.</p> <p>Davit provides for launching or bringing aboard the inflatable and swinging it to / from its place on the pilot house overhead. It, also, may be used for man overboard retrieval and is removable.</p>
<b>Berthing:</b>	<p>Single berths for two with storage under.</p> <p>Galley table fits between the two single berths to convert them to a single large berth.</p> <p>Berths also double as seats for the galley table.</p>
<b>Galley:</b>	<p>Stove...Origo # 1500 non pressurized alcohol one burner with # 3001 pot holder.</p> <p>Microwave..... Samsung</p> <p>Refrigerator..... Igloo 12 volt thermoelectric Cool Mate 40 chest type</p> <p>Sink.....Stainless Steel</p> <p>Counter..... Laminated Formica</p> <p>Cooler..... Igloo 48 quart</p> <p>Knives, forks, spoons, plates &amp; misc.</p>
<b>Head:</b>	<p>Enclosed with..... Raritan PH II toilet</p> <p>Shelf, towel and toilet paper holder and storage.</p>
<b>Waste Holding:</b>	<p>Tank..... Todd 25 Gal.</p> <p>With all fittings, P.V.C. plumbing, and pump-out fitting.</p> <p>Tank can be removed through a deck hatch.</p>
<b>Helm Station:</b>	<p>Has easy access to all navigation electronics, communications equipment and the main electrical panel which contains all of the switches, circuit breakers and</p>

gauges associated with the boats electrical systems.

**Navigation**

**Station:**

Has an area that allows spreading out and working on charts.  
Ample room for the storage of all navigation tools.  
All navigation electronics are visible.  
All communication equipment is accessible.

**Windshield**

**Wipers:**

2 Marinco # 3700 wiper motors with arms and blades

**Seating:**

Pilot House..... 2 Todd 1000 at the helm & navigator station.

A/C and refrigerator enclosure provide two jump seats.

Cockpit: Chairs..... 2 Aluminum / Canvas deck chair

Generator enclosure and storage box in cockpit

Jump seats in the lazarette

Cabin..... Berths

**Storage:**

Under bunks.

Over bunk hammocks.

Hanging area on forward side of forward head bulkhead.

In galley cabinet under counter.

Under helmsman and navigators seats.

Under two hatches in pilot house sole.

Under water tight hatch in cockpit sole.

In railed shelves along the inside sides of the pilot house.

In lazarette.

**Lighting:**

Cabin.....Overhead White Dome..... 2 over berth area

Galley.....Overhead White Dome..... 1 over galley

Head.....Overhead White Dome..... 1 over head

Pilot House.....Overhead White Dome..... 2 aft

Overhead White / Red Dome... .. 2 over the helm and navigation station.

Cockpit.....Overhead White Dome..... 2 under overhang

Flood Lights..... 4 mounted at the corners of the pilot house.

Spot Light:..... 1 Perko # 314 7" sealed beam with thru-top lever control.

**Ventilation:**

In pilot house overhead..... Solar powered day / night. Nicro N20503S

In head overhead..... Solar powered day / night Nicro N20503S

Hatches over the helm and navigation station..... Bowmar G910-1111

Egress hatch in the cabin overhead..... Bowmar G995-111

Ports in sides of cabin in the head and the galley.... Bowmar P0512WC10

Side windows of the pilot house slide open..... Laminated Safety Glass

**Signage:**

Vessel dimensions [draft, air draft, length, etc.] are at the helm.

Life jacks and safety equipment locations are indicated by international signs.

The life ring and all life jackets are labeled with the vessel name and hailing port.

**Tools:** Pliers

Socket Wrenches      Open End Wrenches

Vice Grips              Hacksaw              Box Wrenches

Screw Drivers	Hammer	Misc. Small Parts
Oil Filter Wrench	Grease Gun	Etc.

**Misc.**

**Features:**

Bow rail is 27" high which is at about mid to upper - calf, therefore, providing security and balance when going forward to work lines and fenders or the davit for launching or retrieving the inflatable.

Side decks are wider than most which allows for safer and more comfortable access to the fore deck.

Hand rails on the full length of the top of the pilot house overhead.

Hand rails inside on the pilot house overhead which go forward from the pilot house door to the helm and navigation station.

Windshield is West Coast style which cuts down on sun glare and allows the mounting of the communications equipment overhead where it is readily accessed from the helm or navigation stations.

Pilot house sole is 3" above the cockpit sole to deter water that may come aboard from entering from the cockpit.

Cockpit has large freeing ports to quickly drain any water that may come aboard.

Hot shower water is from two five gallon Sun Showers.

Has a teak flag staff, American flag and a socket in the pilot house aft overhead for display when under way and in a lazarette rod holder for display when not underway.