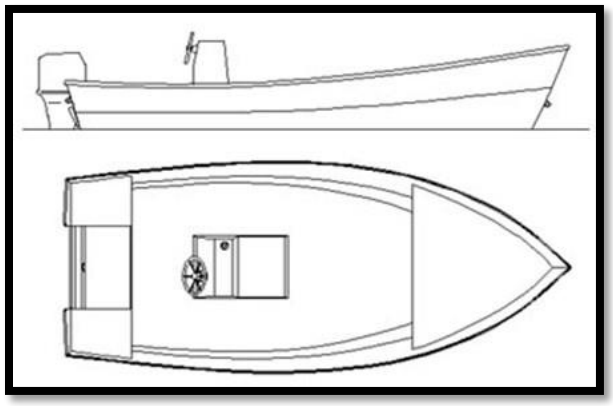

The displacement at DWL is 1,500 lb. (680 liters). The PPI is 298 lb. (53.3 kg/cm). A US Coast Guard capacity tag would show max. capacity 4 persons or 650 lb., 950 lb. persons motor and gear. Max. 25 HP with tiller steering, 40 HP with remote steering. It would be very easy and legal to calculate a tag for 7 persons and 1,700 lb. but the boat would be crowded. The boat was tested with a 70 HP, but we do not recommend more than 40. This boats transom is designed for a standard 20" shaft. The transom can easily be modified to accept other shaft lengths.

SPECIFICATIONS

LOA	16' – 6"	5 m
Max Beam	7'	2,15 m
Hull Draft	5"	12 cm
Hull weight *	500 lbs.	220 kg
Recommended MAX HP	40	

* *All specifications are approximate and subject to changes in function of the mood of the designer and the skills of the builder.*

Return to Top

TABLE OF CONTENTS

Return to Top

BUILDING METHOD

The construction is epoxy-plywood composite, a second generation stitch and glue, designed for efficient and fast building: no jig to set up, no complicated framing. The hull is built upright on the flat cockpit sole. The sides are cut from standard 4x8 sheets of 1/4" plywood and the plans give accurate dimensions for all the hull parts and for the center console. All parts are cut flat on the floor: no need for patterns or a jig. See our tutorial for more information.

REQUIRED SKILLS

As all our stitch and glue boats, the OD16 is very easy to build. No woodworking skills or special tools are required. The plans include all dimensions and patterns to cut all the hull parts flat on the shop floor. No scarfing required. This boat can be built by a first-time builder. See our tutorials pages for a complete description of the building method.

OPTIONS

We show three layouts: center console, transversal seats (thwarts) and a side console. The plans include separate instructions and plans for the center console and for the side console.
Some builders added a gunwale, instructions here.

LABOR

The average construction time for the hull is 25 hours ready for sanding and paint. The sailing option will more than double that.

Return to Top

BILL OF MATERIALS

Plywood (4x8' – 122x244cm)		
6 mm (1/4")	5	
9 mm (3/8")	1	
12 mm (1/2")	6	
18 mm (3/4")	1	
Also see our CNC Kit, which is a precut plywood kit that includes all the plywood needed to build the boat as designed.		
Fiberglass Fabric and Tape		
Fiberglass Biaxial Tape 45/45 12 oz., no mat, 6 in.	100 yards	92 m
Woven Tape 6 oz., 4 in.	50 yards	46 m
12 oz – 50" Biaxial Cloth	10 yards	9 m
Resin		
Epoxy	7 1/2 gallons	28 liters
Also see our MarinEpoxy or Silvertip Epoxy kits which include all of the epoxy and fiberglass listed.		

This BOM covers all the supplies for this boat as designed. Usage of materials will vary in function of several factors. An experienced builder will use less resin. First time builders always use more resin, take that in account. Our resin usage calculations are based on a 50% glass content. Options, customization, and variations in fabric and foam cutting preferences will also affect the Bill of Materials. Our figures show an estimated average. Small variations in fiberglass specifications are acceptable, consult us for substitutions.

Return to Top

MORE

Visit our forum, help pages, tutorial pages and read our FAQ: most questions are answered there.

LICENSE

As with all our plans, you have the right to build one boat from those plans. The designer holds the copyright to the design, and you purchase a license to build one boat. If you plan to build more than one boat, please contact us about licensing fees.

BUILDING STANDARDS

These plans were drafted according to the ABYC rules. The ABYC (American Boat and Yacht Council) defines the boat building standards in collaboration with the USCG. Professional builders may be subject to more requirements. Consult the designer.

The ABYC standards are very close to the ISO norms and CEE requirements but no European certification was applied for since this is not required for amateur boat building in Europe. CEE/ISO certification is available to professional builders for a fee.

PLANS PACKING LIST

Plans are available in metric or US units.

- B208_1 Plan & Profile
- D208_2 Construction
- D208_3 Frames
- D208_4 Nesting and Expanded Plates
- B222 Dory Side Console and Notes
- B187 Standard Center Console and Notes
- B221 Typical Small Boat Electrical
- Specific building notes for this boat
- Help files reference list and more.

Return to Top