



Specifications:		
<b>LOA:</b>	18'	5,50 m
<b>Max. Beam:</b>	5'6"	1,65 m
<b>Hull draft:</b>	6"	15 cm
<b>Hull weight:</b>	405 lbs.	185 kg
<b>Max. HP</b>	50	
<b>Material:</b>	Stitch & Glue	

This is a stretched version of our OB15. See the OB15 pages for pictures and details. There is a slight difference in the sheer line but besides that, she is juts a longer version of the successful OB15. The longer waterline gives her more speed, a little bit more room and make her easier to launch from trailer.

The design is more a composite boat than a stitch and glue one. Such an epoxy/plywood composite boat will be lighter and/or stronger than a similar production boat. Lighter, she will go faster and burn less fuel.

We designed the biggest boat possible using 4 sheets of plywood for the hull. A 15 hp outboard is sufficient to get her out of the hole with one person on board but a 25 hp is the ideal engine. The interior layout is typical of a fishing boat that will also be used for family outings. There is room for an Igloo cooler lashed behind the forward floor and lots of storage. She is unsinkable thanks to the foam under the floor and the motor well.



This boats transom is designed for a standard 15" shaft. The transom can easily be modified to accept other shaft lengths.

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

**Building method:**

The OB18 can be build as a stitch and glue boat, without any jig or strong backs or in a more traditional manner, on simple molds. The plans provide all the dimensions for either method.

A particularity of this design is the built-in chine concept. Instead of adding a strip of wood at the chine, we designed overlapping panels. This is easier to build and produces a tapered chine much wider than what could be obtained with battens. It is more efficient, stronger and much better looking. This hard reverse angle chine keeps the boat dry even in heavy seas conditions.

**Required Skills:**

As all our stitch and glue boats, the OB18 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 build by a first time builder. See our tutorials pages for a complete description of the building method.

**Options:**

The large scale plans show options such as center console, seats with side console, fish boxes and live bait wells, built-in gas tanks, light options etc.

You can customize her: put the storage boxes and seats where you want them, keep her simple or install every accessories you want.

**Bill Of Materials:**

*(Excerpts from our BOM)*

The BOM list materials based on our standard layout and includes a 15% waste factor for resin and fiberglass. For plywood, we use standard sheets 4' x 8' (122 x 244 cm). Please read the building notes and see the plans for detailed specifications. Okoume marine can be used and cost usually less than \$50 per sheet (1/4").

<b>Plywood 4x8' (122x244cm)</b>		
1/4" (6mm)	6	
3/8" (9mm)	5	
1/2" (12mm)	1.5	
3/4" (18mm)	1	(optional)
<b>Fiberglass (totals)</b>		
Biaxial tape	85 yards	82 m
Woven tape	50 yards	45 m
Biaxial fabric	200 sq.ft	18 m2
<b>Resin</b>		
Epoxy, total	7.5 gallons	30 liters

**Labor:**

Varies between 80 and 120 hours.

**More:**

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

**Plans Packing List:**

- 13 Detailed drawings, large scale with all dimensions required to cut the sides, bottom and the bulkheads from flat plywood sheets: no lofting, no templates required.
- Drawing List:
  - B128\_1 Plan and Profile
  - B128\_2 Nesting
  - D128\_3 Construction
  - D128\_4 Stations
  - D128\_5 Frames
  - D128\_6 Expanded Plates
  - D128\_7 Hull Assembly
  - B128\_8 Lamination Schedule
  - B128\_9 Optional Equipment
  - E128\_10 Full Size Expanded Plates
  - E128\_11 Full Size Body Plates
- B225 Seat Lockers
- B187 Standard Center Console and Notes
- Building notes including a detailed description of the assembly sequence and building tips.
- Bill Of Materials
- Help files reference list and more.

\*Patterns longer than 3' are made of several pieces that must be tiled. In all cases, all dimensions for these flat panels are also included. Read more information about our [plans packages here.](#)