SPECIFICATIONS

LOA	11'-7"	3,53 m
Max Beam	4'	1,20 m
Designed Weight	95 lbs.	43 kg
Max HP	5	

* *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

CONTENTS

Return to Top

DESCRIPTION

This is probably the easiest boat to build in the whole web site and it's not the smallest one. If you ever thought of buying one of the aluminum utility boats sold by department stores, build this one instead. She will cost you less, look better and you can customize her easily to fit your preferences. She is designed for rowing and outboards up to 5 hp but a small 1.5 hp outboard will move her at hull speed. Plans for a larger version of this boat, 14' 6" LOA, are available: see the FL14.

The FL12 is a new version of our FL11. The FL11 plans were chosen by schools and youth organizations all over the world to introduce young people to boat building and boating in general. Thousands of FL11 were built. The FL12 differs slightly from the FL11. While the FL11 has always been a very easy boat to build, we found ways to make construction easier and improve the looks of the boat. The FL12 hull shape is almost identical to the FL11 but the assembly is now faster and easier. The butt blocks are completely hidden and we eliminated the upper part of the frames for a cleaner look.

BUILDER THREADS ON OUR FORUM

mickmac 9 pages, missing pictures
NW Trout 8 pages, missing some pictures
dewers 5 pages
mguel 5 pages, pictures
PrometheusNL 5 pages, pictures (model build included)
JBing 4 pages, pictures
enolja 4 pages, pictures
Trebuchet 4 pages, pictures
jay808 3 pages, pictures
JamesT 3 pages, pictures
dbldipper1 2 pages, pictures
JBing 2 pages, pictures
pblas 2 pages, gallery links
mchain 1 page, pictures
mattyg123 1 page, pictures

BUILDING METHOD

This boat is built from flat plywood panels assembled with epoxy-fiberglass tape. The construction method is called "stitch and glue". For a detailed description of the stitch and glue boat building method, see our "How To" section where you will find a complete illustrated tutorial as well as information about epoxy, fiberglass and plywood.

REQUIRED SKILLS

The FL12 skiff is very easy and fast to build, there are no plywood scarfs, we use simple butt blocks. The sides are cut from standard sheets of plywood. No woodworking skills or special tools are required.

OPTIONS

Except for the buoyancy foam, there are no options for the FL12, but many builders have customized her to fit their needs.

Return to Top

LABOR

The average construction time for the hull is 20 hours.

BILL OF MATERIALS

Plywood (4x8' – 122x244cm)		
6 mm (1/4")	2	
9 mm (3/8")	2	
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		
6 oz – 6" Biaxial Tape	50 yards	45 m
Resin		
Epoxy	1 1/2 gallons	5.7 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

PLANS PACKING LIST

Plans are available in metric or US units.

B96_1 Plan and Profile

B96_2 Nesting

B96_3 Construction

B96_4 Stations

B96_5 Expanded Plates

B96_6 Full Size Pattern – Side Panels

B96_7 Full Size Pattern - Frames

Specific building notes for this boat

REVIEWS

Stoked to splash 'little blue' in the weekend. Got dark before we had the chance to put a little (3hp) outboard on the back, but she rowed great! Good work Jacques - this seems like a great little boat with nice lines!

Timbamford Wellington NZ

My 13yr old daughter and I finally got the boat finished, just in time for the Australian Wooden Boat Festival held in Hobart Tasmania. For her maiden run, she was powered by a British Seagull 40+, she was loaded with another British Seagull, a WC 102 model to be displayed at the festival, fuel, safety equipment, supplies for the day, my helper and his supplies. She rode in the slight chop as straight as an arrow, responded faithfully to the tiller and was a pleasure to drive. During the festival we made many circuits of both the inner dock, the outer dock and even at one stage headed outside to have a look at the larger historic sail ships. Not once was I worried about stability, even today with quite a strong wind-blown chop, enough to keep the kayaks and smaller row boats inside the breakwater. We headed outside, cut power to idle and still performed a safe and stable full 360 degree turn with water splashing up the sides and into the boat. Just testing! I love the boat, and proudly tell everyone who asks where the design came from and about the website.

vk7hch Kingston Beach Australia

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.

Return to Top