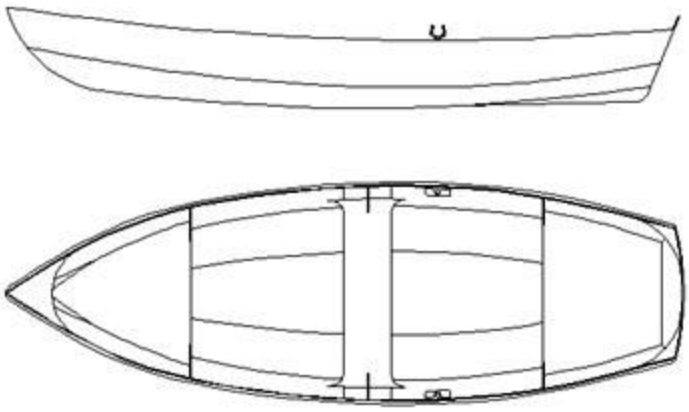
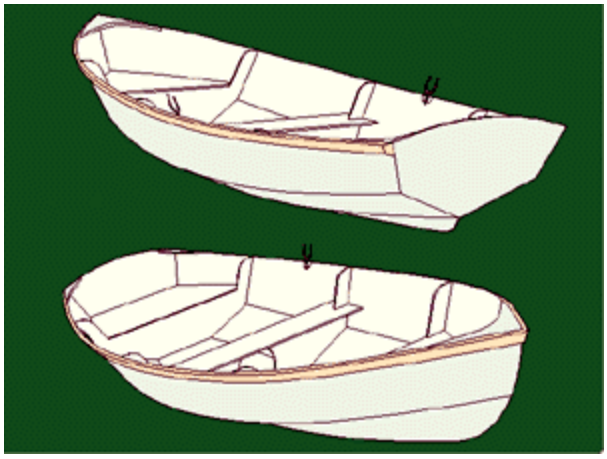


This boat plans was completely redesigned in 2015. The hull lines did not change but the new drafting makes the plans easier to read.

A row boat design without compromise to other modes of propulsions. She is a recreational row boat, not a sculling boat. She has no outriggers, the initial stability is good and she can carry passengers. The picture shows straight seat top sides but we usually build extended curved sides much longer like the ones on the 10' V-bottom dinghy. The plans show the curved seats option. The two different weights refer to a standard and a light version. The light version uses 4mm marine ply.

Specifications:		
LOA:	13' 4"	4,10 m
Max. Beam:	4' 4 "	1,30 m
Max. HP:	2 HP	outboard
Designed weight:	65/100 lbs.	30/45 kg
Material:	Stitch & Glue	

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 R13 row boat will take more time to build than our flat bottom boats but the required skills are exactly the same. There are no plywood scarfs: we use very simple butt blocks.

No woodworking skills or special tools are required.

Options:
There are two building options for the R13: light or very light. The very light is just as strong but uses more expensive 4mm plywood.

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.
This boat can be built from inexpensive exterior plywood since it is completely coated with epoxy resin.

Plywood 4x8' (122x244cm)		
1/4" (6mm)	4	
3/8" (9mm)	2	
Fiberglass (totals)		
Woven tape	100 yards	90 m
Resin		
Epoxy, total	3 gallons	12 liters

Cost:

We offer **an epoxy fiberglass kit with free shipping in the US.** Our kit cost less than the same supplies bought locally. See the main page, top left panel.

Labor:
The average construction time for the hull is 40 hours.

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

Plans packing List:

The plans include all the dimensions and specifications to build this boat with all options. in Stitch and Glue as a Tack and Tape boat in foam sandwich

The plans show the dimensions for all parts of the boat as cut flat on the floor: all hull panels and frames. Included are drawings showing an optional building jig with MDF molds and assembly details. We show the layout of all parts on standard plywood sheets..

Detailed building notes (18 pages) with step by step instructions are included.

The printed plans are printed on tabloid size paper, 11x17 (279 x 432 mm). The down loadable plans are in PDF format letter size. The purchase of the more expensive printed version includes access to the Digital Download plans.

Digital plans are available immediately.
Full size patterns are included as PDF file to be printed on paper size A1.
A1 is an architectural standard paper size 594 by 841 mm (23.4 x 33.1"). That paper size conforms to ISO 216, an international standard.
The Full Size patterns files must be printed at that exact size, no margin. The printer should allow the PDF file to set the size.
Each drawing is marked with control dimensions in inches and metric.

Important note: These plans are copyrighted. The PDF file can not be copied or distributed. As for any of our plans, you purchase a license to build one boat.

If you plan to build more than one unit, for example for a boy scout troop or a school project, please contact us.

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