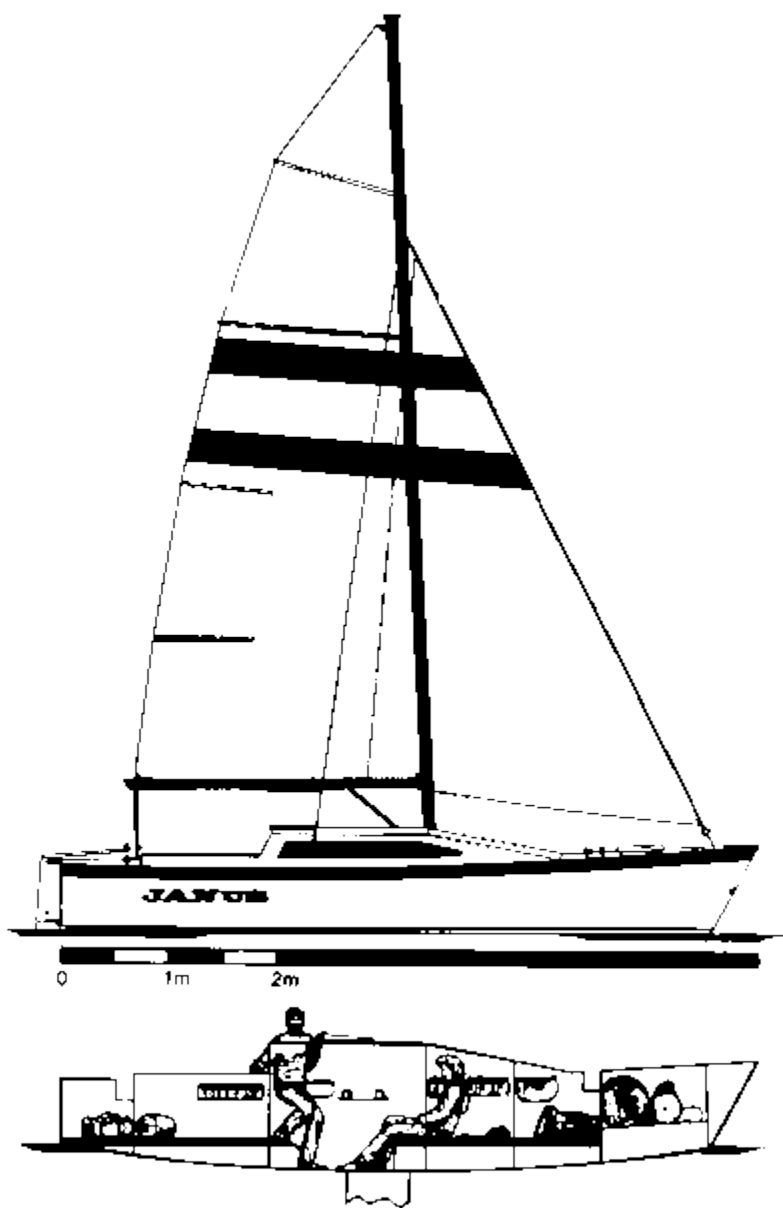


Important Note: These are not Richard Woods' official study plans. If you wish to purchase the official study plans they can be found [Here](#)



Specifications:		
LOA:	22'	6.65 m
LWL	13ft 6in	4.15m
BOA	7ft	2.1m
Weight:		
Material:	Plywood, fiberglass, epoxy.	

These plans are in metric units. Metric measuring tapes are available at BoatBuilderCentral.com. Do not waste time translating units, it is much easier to work in metric than in inches. One or two crew (1 trapeze)



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Don't be deceived by Janus' simple dory shaped hulls (which make it a very easy boat to build). It has a lot of internal room for its length and a surprisingly good performance.

Trailing and assembly are easy as the flat bottomed hulls remain upright unsupported.

Janus is the best choice for the less experienced builder or sailor and for those who prefer simplicity

The flat bottoms also make trailing easy as again no special chocks are needed. Just a flat bed trailer. Janus has a short light mast so its easy to "walk" it up. Raising the mast is the biggest problem with trailable boats. One reason why we prefer small ones as they have lighter masts.



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Building Method:  
Stitch and Glue.

Plywood-epoxy.

All the bulkheads have straight sides so its easy to mark and cut them out. The flat bottoms also make it easy to ensure they are set up level, just put a spirit level across the keel. The hulls are planked using 6mm (1/4in) plywood. Joints are butt-jointed, hull is sheathed with fiberglass.

Typical home build time is 350 hours ready to paint

Bill Of Materials:

Plywood standard sheets 4x8' (122x244cm)	
6mm (3/8")	26
9mm (3/8")	3
12mm (1/2")	3

All plywood to be best quality marine grade Gaboon ply. (Okoume BS 1088) Sheet sizes are 96" x 48" (2440 x 1220) or 98-3/8" (2550) long.

All timber to be "Joinery Quality" or better softwood. Use Douglas Fir, Yellow Cedar, Sitka Spruce or similar. Sizes given are nominal "PAR" (Planed all Round) ie 2" x 1" has a "real" size of approx 45mm x 20mm

Timber:
1"x 1" 90m plus 8 off 3.5m for beams (300')
2" x 1" 110m plus 4 off 3.5m for beams (330')
1 1/2" x 5/8" 10m (deck stringers) or use 1 1/2" x 3/4" (33')
1 1/2" x 1 1/2" 8m (D'board boxes) (25')
5" x 1" 5m (stem) (17')
3" x 1" 4m (platform) (14')
3" x 3/4" 15m (platform beam) or use 3" x 1" (50')
3" x 1 1/2" 2m (tillers) (7')

Epoxy Total:	
3 gal	18 Kg
Fastenings:	
Approx 2Kg 1" CS Gripfast nails, 1Kg 3/4" CS Gripfast nails or st steel screws	
Paint:	
sufficient for 5 coats approx 20 ltr total (20 qts).	

This BOM covers the hull ready to paint

**Cost:**

The cost of materials varies depending on your location, your choice of epoxy brand, core type and options. Use our Bill Of Materials with the local cost of materials.

All materials are available for purchase online from the web sites below:

Epoxy, fiberglass, foam, paint and more: [BoatBuilderCentral.com](http://BoatBuilderCentral.com)

Despite the cost of shipping, those materials may cost less online than purchased locally.

**Labor:**

The hull shell can be built in 200 hours but a finished boat will require 300 to 800 hours depending on the level of detail and the skills of the builder.

**More:**

Visit our message board, 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 are shipped in PDF Format

Plans are available in metric Units only.