



SPECIFICATIONS

LOA	12'	3,65 m
Max Beam	5'	1,52 m
Hull weight	115 lbs.	52 kg
Displacement at DWL	865 lbs.	393 kg
PPI at DWL	182 lbs.	83 liters
Recommended HP	10HP	
Material	Plywood Cored Epoxy Composite	

BUILDER THREADS ON OUR FORUM

[Prarie Dog - T's GF12 - Penrose, CO - USA](#)

[Cracker Larry - Another Cracker GF12 - Savannah, GA - USA](#)

[Arm&Hammer - GF12X-LS\(Low Sheer\) - West Michigan - USA](#)

[dscott - GF12 \(side console\) - Orlando, FL - USA](#)

[lpwebb - Lees GF12 - Georgia - USA](#)

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DESCRIPTION

The GF12 is a flat bottom Garvey. While this is easier to build, provides great stability and requires less HP for the same speed, it will not go through a chop as well as a vee hull. We minimized the pounding by keeping the strong bow curvature of the original design.

Compared to the GF14, she has the same beam but is 2' shorter. Short enough to fit in the back of a full-size pick-up truck, light enough to be car topped.



BUILDING METHOD



The boat is built in stitch and glue fashion but most of the hull, the bottom especially, is a true composite sandwich. The plywood bottom is sandwiched between layers of directional glass, and it is the fiberglass that supplies most of the strength, not the plywood. As in our other boats, the frames and seat tops are part of the structure.

The assembly method is unique, see the [GF14 building pages for a step by step overview](#) of the process. The 12' version uses exactly the same easy assembly method.

REQUIRED SKILLS

As all our stitch and glue boats, the GF12 is easier to build than other plywood or fiberglass boats. We worked hard to keep the building as simple as possible: most of the plywood cuts are straight lines, the nice curves are created by well-planned bending around the frames. All the plywood parts have been precisely calculated: you cut them flat on the floor, no need for templates, no need to take measurements from the hull framing as in the plywood on frame method. This boat can be built fast by a first-time builder. He should read our tutorials first but there is nothing difficult in the building method. No beveling, no tricky adjustments, no lofting at all, no calculations of any kind: we show dimensions for all the parts on the plans.

OPTIONS

This is a simple boat with few options. The bottom is already made of a strong 3/8" fiberglass sandwich but some builders may want to add layers. We don't see any good reason for that, but it is possible. One could adjust the size of the rear seat or the foredeck, eliminate the hatch that we show in the stern seat or change the forward access to a lid but that's about all. As all of our boats, the GF12 can be made unsinkable with foam, see our kits. This boat's transom is designed for a standard 20" shaft. The transom can easily be modified to accept other shaft lengths.



LABOR

The hull can be built in 20 hours, but a finished boat will require 40 hours or more depending on the level of detail and the skills of the builder.

BILL OF MATERIALS

Plywood (4x8' – 122x244cm)		
6 mm (1/4")	3	
12 mm (1/2")	3	
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.	35 yards	32 m
Fiberglass Biaxial Cloth 45/45 12 oz., no mat, 50 in.	5 yards	4 m
Resin		
Epoxy	3 gallons	12 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.

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.

-  [B217_1 Plan and Profile](#)
-  [B217_2 Nesting](#)
-  [D217_3 Construction](#)
-  [D217_4 Expanded Plates](#)
-  [E217_5 Full Size Pattern – Butt Block](#)