

Center console version plan shown above, 5 other deck layouts included in the plans.

<b>Specifications:</b>		
<b>LOA:</b>	16' 8"	5,07 m
<b>Max. Beam:</b>	6' 7"	2,10 m
<b>Hull draft:</b>	10"	25 cm
<b>Hull weight:</b>	600 lbs*	240 kg*
<b>Displacement (DWL):</b>	2,500 lbs	1136 kg
<b>HP</b>	30 to	Max 75
<b>Material:</b>	Stitch & Glue	composite

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

The GV17 is a vee hull garvey with plenty of deck space and reserve buoyancy.

Her vee hull will allow smooth runs in choppy seas while the garvey hull shape gives unusual deck area and stability at slow speed. In the hands of the right skipper, she is offshore capable and fit to take engines up to 75 HP.

This boat has an enormous capacity: see the displacement at the DWL: 2,500 lb.! This a big safety factor and in all versions, the cockpit is self-bailing.

She can be made 100% unsinkable with the addition of buoyancy foam and upright flotation flooded is possible with foam under the gunwales and seats.

This boats transom is designed for a standard 20" shaft. The transom can easily be modified to accept other shaft lengths.

**Comparisons:**

The GV17 similar in hull shape to our GV15 but with more freeboard, less flare in the sides and a slightly longer but much larger hull. The GV15 is ideal for protected waters but for offshore use, choose the GV17.

Compared to our OD16 and 18, the GV17 will require more labor and materials to build and also, more HP but the GV17 will keep going at planing speeds in seas that would require to slow down in a flat bottom boat.

**Building method:**

The hull material is a fiberglass sandwich with a plywood core, or in other words, epoxy-fiberglass-plywood composite, a second-generation stitch and glue system designed for efficient and fast building.

The building method combines the ease of stitch and glue (plywood-epoxy) with the strength, lightweight, longevity and low maintenance of a high tech composite hull.

The builder assembles the hull as a simple stitch and glue plywood boat first, then builds the outside and inside fiberglass skins to produce a strong composite hull without all the time consuming woodworking associated with plywood on frame.

We specify high performance directional glass and epoxy. While that type of fiberglass cost a little bit more, we save resin and weight.

The internal framing is characteristic of a fiberglass or composite boat: a monocoque structure made of interlocking bulkheads and stringers, tabbed to the hull and fiberglass chines and keel.

The hull can be built without any jig, as a simple stitch and glue hull or upside down on a simple jig. The plans give all the dimensions for each method.



*(the jig picture shows another boat hull)*

Our jig system is very uncomplicated, self-aligning (notches) and economical since we use the internal framing of the hull as molds. Our jig does not require all the precautions, alignments or even a perfectly flat floor that are a must for traditional boat building.

[See a complete hull building tutorial here.](#)

#### **Required Skills:**

As all our stitch and glue boats, the GV17 is easier to build than other plywood or fiberglass boats.

One of the design priorities was ease of building: straight but elegant and simple sheer line, simple cockpit outline, almost straight side panels.

No woodworking skills or special tools are required. The plans include all dimensions to cut all the hull parts flat on the shop floor. No scarfing required.

While she can be build as a first project, some experience with our building methods will save time and materials. If you have never build a boat, try our free canoe plans first.

All hull planking panels 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.

The plans show all the plywood parts with dimensions, including the assembly notches, the outboard clamp etc.

#### **Options:**

Thanks to the generous volume of the hull we were able to design several layouts from bass boat to center console and deck boat but there is more: elements from each layout can be combined to suit every requirement.

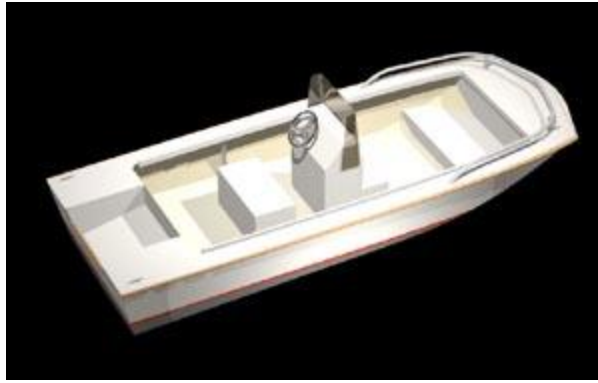
All layouts use the same hull and cockpits are always self-bailing.

Besides the layouts, the first option should be positive and upright buoyancy (unsinkable boat).

This can easily be easily achieved with our marine flotation foam. For production boats in that size, the USCG requires upright floatation.

See below some of the layouts included in the plans set:

#### **Center console:**

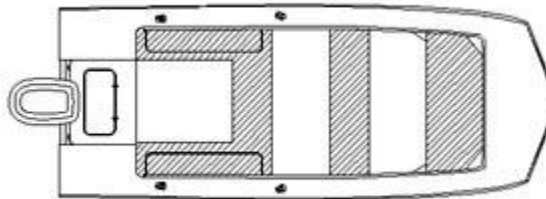


This is a classic center console with a casting deck forward and a bench seat in the stern. There is plenty of room for storage, fish box and baitwell. Rod holders can be stored under the gunwales.

**Bench version (console optional):**



The plans show two different types of bench seating layouts: one with three benches and a small console, the other with a bench forward and a U shaped cockpit in the stern, ideal for tiller steering.



**Dual console (bow rider):**



The dual console version has higher consoles than the bench version to accommodate manufactured rotomolded seats plus a bench in the stern and a vee seat area forward.

#### **Deck boat:**



The deck boat version is similar to the dual console but with only one console on the steering side and opposite, a very large bench for maximum sitting and storage.

#### **Bass boat:**



The bass boat features low profile consoles and seat with a high foredeck that can take one or two fishing chairs and the trolling motor. There is enormous storage under the fore and aft decks.

#### **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. Meranti 6566 is an inexpensive type of marine ply ideal for stitch and glue construction. It cost, on the average, less than \$ 20.00 a sheet in 1/4" (6 mm). Okoume or Meranti marine can also be used and cost starts at less than \$ 40.00 a sheet (1/4").

<b>Plywood 4x8' (122x244cm)</b>		
1/4" (6mm)	8	
3/8" (9mm)	5	
1/2" (12mm)	7	
<b>Fiberglass (totals)</b>		
Biaxial tape	100 yards	95 m
Woven tape	100 yards	95 m
Biaxial fabric	27 yards	25 m
<b>Resin</b>		
Epoxy, total	7.5 gallons	30 liters

The scantlings are very generous: this boat is overbuilt but thanks to the material, she is still much lighter than most boats in her size.

**Cost:**

See our [Epoxy kit](#), and add the cost of plywood, or the [CNC Kit](#).

**Labor:**

The hull can be build in 80 hours but a finished boat will require 200 hours or more 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.

**Plans Packing List:**

14 detailed drawings with all dimensions required to cut the side panels, bottom panels, bulkheads, deck, floors and all parts from flat plywood sheets: no lofting, no templates required.

Nesting drawings for the best plywood layout.

Construction and details drawings notches for easy assembly, gunwale building, backing plates details, butt blocks and splices, fiberglass layup etc.

Layout drawings for 6 different versions with dimensions for floors, seats and consoles.

Drawings list:

- B215\_1: Concept and Specifications
- B215\_2: Plywood nesting for bottom, sides, deck, sole, stringers, frames (=molds), transom and motor well.
- D215\_3: Developed dimensions for all hull panels (flat)
- D215\_4: Molds Dimensions
- D215\_5: Frames, stringers and motor well parts dimensions.
- D215\_6: Construction drawing with plan and profile sections
- B215\_7: Constructions details: gunwale assembly, floor, butt blocks and splices, backing plates, rubrail.
- B215\_8: Fiberglass lamination schedule step by step
- B215\_9: Center console plan with dimensions
- B215\_10: 3 Benches layout plan & Deck Boat
- B215\_11: 3 Benches plus small side console layout plan with small console parts dimensions
- B215\_12: Dual console layout with dual console parts dimensions
- B215\_13: Bass boat layout
- B221\_c: Typical Small Boat Electrical

- "Building on a jig" file including a detailed description of the assembly sequence and building tips
- Specific building notes for this boat
- Bill Of Materials
- Help files reference list and more.

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