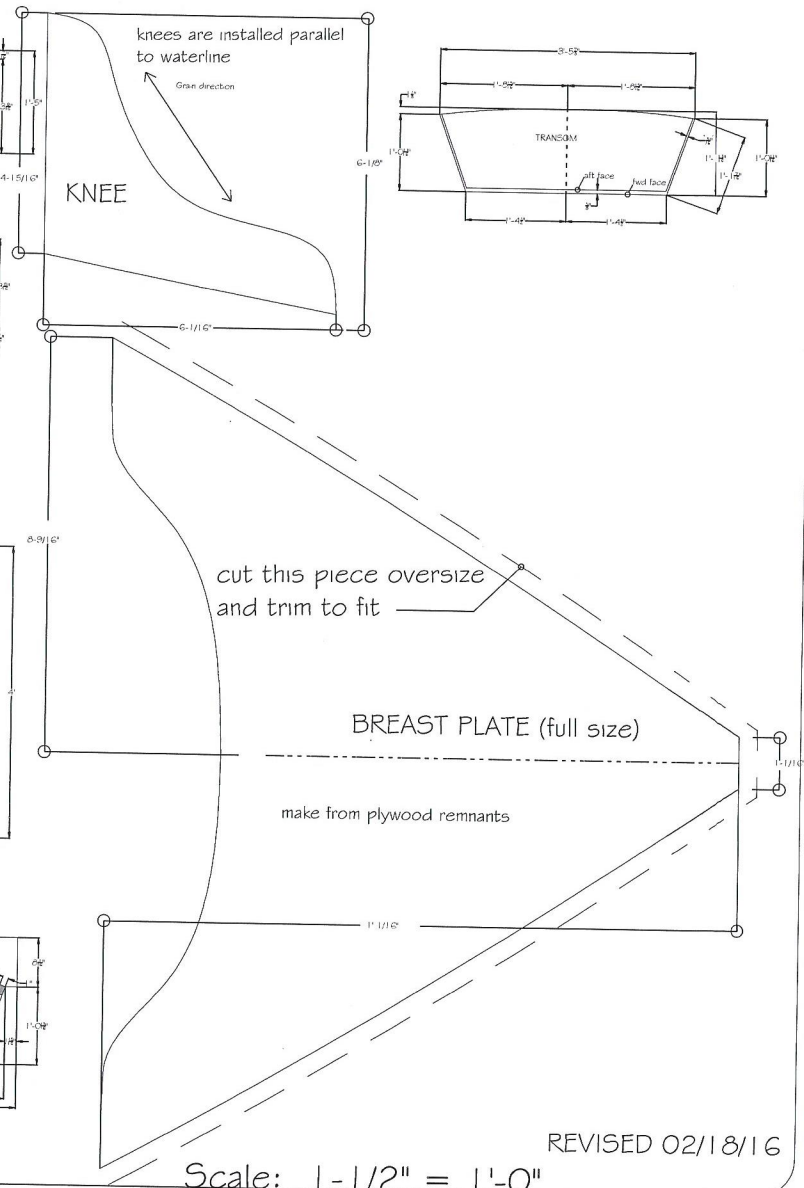


DO NOT SCALE THESE DRAWINGS



REVISED 02/18/16

Scale: 1-1/2" = 1'-0"

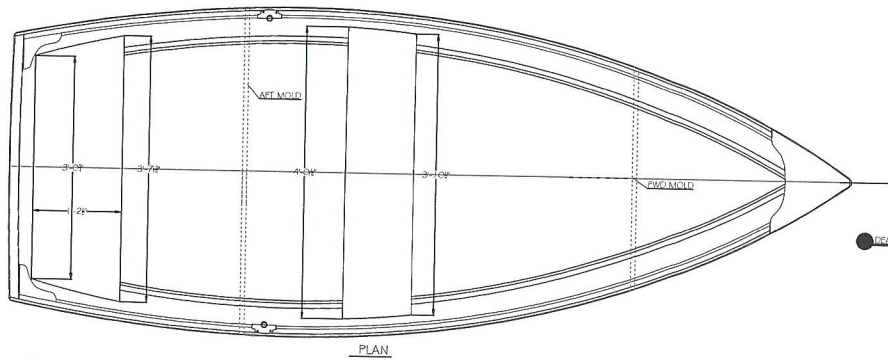
SHEET 2 of 2

CAROLINA BATEAU

2016 Competition Boat

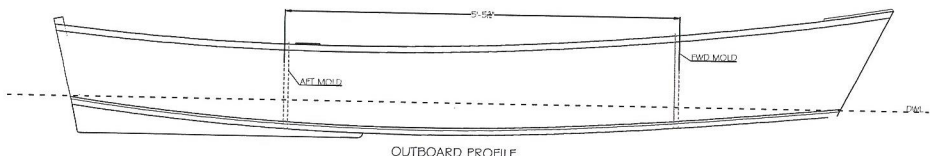
SeaCo Yacht Design / Ensign Boats Inc. ©2015
 1814 BON AIR DRIVE LEXINGTON, KENTUCKY 40502 PH 859 266 6903
 email: seacoyacht@yahoo.com



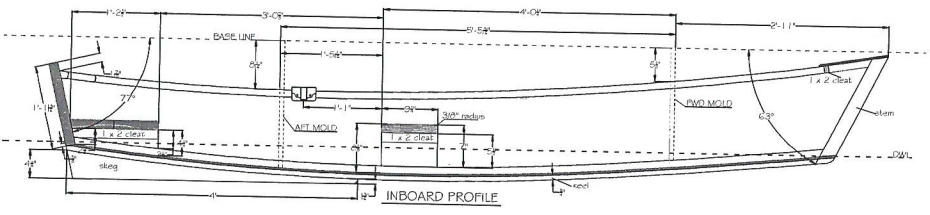


PLAN

Note: To preserve the shape, leave the molds in until the boat is completed.

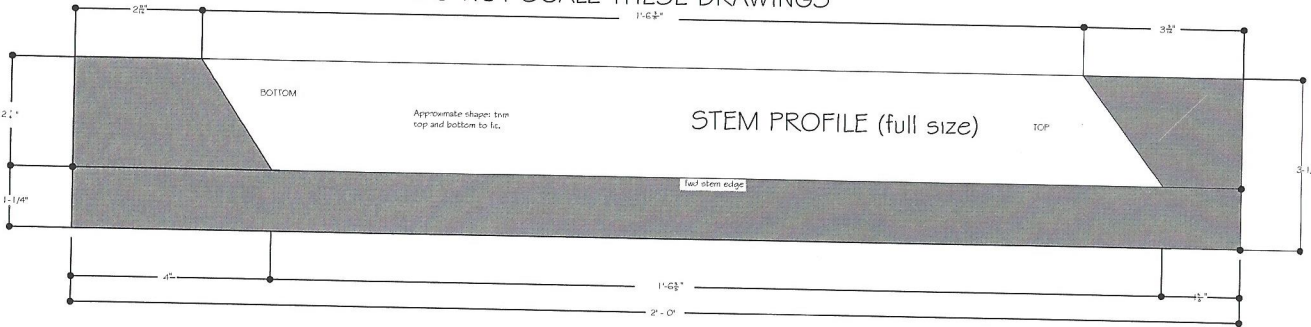


OUTBOARD PROFILE



INBOARD PROFILE

DO NOT SCALE THESE DRAWINGS



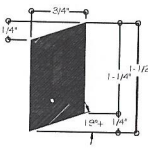
STEM PROFILE (full size)

You are encouraged to build one boat from these plans.
 See USCG regs for homebuilts.
 The boat is shown at the designated weight of 550 lbs. This is the MAXIMUM LOADING for this boat. It includes the weight of the boat itself.
 The MAXIMUM BRACE HIGHPERFORMER for this boat is 2-1/2 BHP.
 In order to obtain the best appearance for a bright finished boat, I suggest that you clean the parts carefully after cutting and initial fittings. Then seal the parts with an appropriate sealer. When you glue, be sure the glue is compatible with the sealer. Also make sure that the varnish is compatible. Carefully clean any squeezed out glue. Be very careful in sanding the plywood; those face veneers are very thin.
 Consider adding an outside covering of fiberglass to protect against abrasion; a light cloth can be invisible under 2 or 3 coats of polyurethane varnish. Fair the bottom. The forward seat, with carlocks, at the forward mold location better balances the boat with two occupants.

DEAR BOATBUILDER: I know that you are accustomed to boat, motor, and engine, but first come out of a computer with astounding accuracy. So before where you will, it's far more you're after.

I hate that but there are a few rogues in the world who show no responsibility for their own carelessness or stupidity; therefore:
 DISCLAIMER: You build and operate this boat at your own risk. Therefore use caution around power tools. Wear safety glasses at all times. Wear a dust mask when sawing, drilling or sanding. Wear a proper respirator and other protections when painting. The dimensions for the types are usually at your paint supplier. Wear hearing protection when needed around power tools. Use correct terms, but above all, don't rush to an accident.
 NOTE: The chine log, seat blocks, and gunwale have bevels that are, on average, 1/4" off normal.

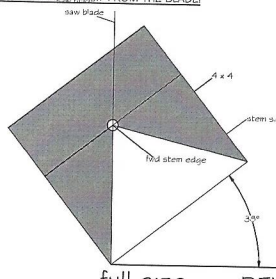
- BASIC MATERIALS LIST:
 Solid wood species to be cypress or yellow pine
 3 sheets 3/8" x 4' x 8' BG1000 spec. plywood
 1 piece 3-1/2" x 3-1/2" x 24" for the stem
 6 pieces 1-1/2" x 3/4" x 14' for the chine, insoles and rubrails
 1 piece 1-1/2" x 3-1/2" x 12" for the keel
 1 piece 1-1/2" x 5-1/2" x 20" for the skeg
 1 piece 1-1/2" x 2-1/4" x 4' for the middle seat
 4 pieces 1-1/2" x 7-1/2" x 4" for the transom, and rear seats.
 1 piece 1-1/2" x 7-1/2" x 2" for the covers.
 1 piece 3/4" x 5-1/2" x 6'-0" for the seats cleats
 2 pieces 3/4" ply x 24" x 6'-0" for the molds, minimum
 2 closed carlocks, rick and top screw to mount
 2 boat # decals
 white



- #2 square head and #2 Phillips drivers are required
 Required minimum fastenings are below but people run out of them, especially nails. Have on hand an add-on of 10%.
 Fastenings: Galvanized or bronze may be substituted for stainless 316, all fastenings.
 Gunets.....50pcs 1 1/4" stainless ring shank nails
 Insoles.....50pcs 1" stainless ring shank nails
 Chine logs.....50pcs 1" stainless ring shank nails
 Breast plate.....8 pcs 1-1/4" stainless ring shank nails
 Seat blocks.....24pcs 3/4" stainless ring shank nails
 Seat cleats.....24pcs 1 1/4" stainless ring shank nails
 Seats.....20pcs 1" #8 stainless screws, fasten from the outside in
 Keel.....24pcs 1" stainless ring shank nails
 Bottom panel.....50pcs 1-1/4" stainless ring shank nails
 Bottom seat block.....24pcs 3/4" stainless ring shank nails
 Side butt blocks.....24pcs 3/4" #8 stainless screws
 Stem.....8pcs 1-1/2" #8 stainless screws
 Transom sides.....8pcs 1-1/2" #8 stainless screws
 Skag.....8pcs 2-1/2" #8 stainless screws, fasten from top down.
 Knees.....8pcs 2-1/2" #8 stainless screws
 Temporary mold fastenings.....8pcs 2" drywall screws
 Carls, glue.....2pcs tubes, Sikaflex
 Carlock screws.....8pcs 7/8" gauge size to fit, bronze screws

TO MAKE THE STEM: DO NOT HOLD THIS PIECE IN YOUR HAND WHILE CUTTING! CLAMP IT TO THE TABLE! OR YOU WILL BE IMMEDIATELY DISQUALIFIED!

1. Cut the stem profile.
2. Draw a line along the center of the stem surface. This is the guideline.
3. Set your saw to make a bevel cut of 3B degrees; see detail below.
4. Using the guideline, starting at the stem bottom, cut the first bevel.
5. Turn the block around and make the other cut along the stem centerline.
6. On the boat, after topsides are installed, trim the top and bottom of the stem.
7. KEEP YOUR HANDS AWAY FROM THE BLADE!



REVISD 01/07/16
 REVISD 02/18/16

Scale: 1-1/2" = 1'-0"

SHEET 1 of 2

