

12' Skiff – Building Procedure

David Wyman 2/6/2022

The following is the general procedure for building the 12' skiff of my design, dated Jan 2022. The tasks listed below are in the approximate order in which they should be done.

1. Cut out the stem, midships frame, and transom as shown in the drawings.
2. Side frames are next attached to the transom where the side planks will be secured to the transom.
3. Attach the two bottom planks to the stem using glue and screws, which will make a wide vee formation.
4. Place the midships frame in its location and then bend the port and starboard bottom planks around this frame to mate with the transom. A Spanish windlass is most useful for this. Secure the planks to the transom. Cut and plane the aft ends of bottom edges to curve up to the bottom of the transom. Bevel the edges of the planks, transom, and stem to receive the bottom.
5. Install the plywood bottom with glue and small bronze anchor-fast nails into the bottom planks, then trim the plywood to match the side planks.
6. Install the upper planks overlapping the bottom planks by 1", with a gain cut forward to bring the plank ends flush with each other at the stem. Use glue or 5200 and screws to secure the planks together.
7. The top edge of each upper plank should be raised by installation of a 2" high plank from midships to the stem.
8. The outwales are next installed on the outside of the upper planks with glue and screws. Their forward ends curve upward from midships the top of the plank additions forward ends to define the sheer line.
9. Trim the forward part of the plank additions flush with the outwales.
10. Cut out a breasthook, with a cutout for the inwale, and install.
11. Trim the transom top to curve shown in drawings.
12. Cut out transom knees with cutout for the inwale and install.
13. Coat the inside of the plywood with epoxy resin and fillet the chines' inside corners.
14. Cut out frames and install on each side with cut out at top for the inwale.
15. Install the inwales.
16. Cut out and install seats with foam flotation under the bow and stern seats.
17. Turn boat over and install keelson and sister keelsons with skegs on sister keelsons. This should be set in epoxy and screws from the inside.
18. At the same time epoxy the plywood bottom and fiberglass tape the chines
19. Wash all of the epoxy with soap and water to remove wax so that paint will adhere.
20. Install the outer stem.
21. Carve 7' oars.

22. Paint the boat.
23. Install rowlocks.
24. Launch and conduct a trial trip.