The PlanKS: behind the boat.

Sectional bracing to flip the boat.

The direction the boat

matches the bow.

Bikle:

of the boat, PlankS and bottom board fasten to this.

StrenS:

of the boat. Use any solid-wood (Pallet wood will do in a pinch

in many cases stations will help you build the boat but not be

applicable to flat bottomed boats.

A note before taking any boat out on the water for the first time: make

sure you read up on water safety and give the boat a decent flotation

test in shallow water. Given that our boat design calls for scrap wood

and improved materials, we've been sure you'd have thought of all of

the above. Approach with a free spirit to fashion. We do not claim to

build a full-scale dory. What we can build is a liberum dory, a modified semi-dory, which has been cut to 10'6" from its original length of 14'. Not along the maximum length that would fit in the building, but along a single piece. The shortening is a localized slight change, and the removal of some construction pieces. Please take care of your boat and enjoy it safely.

 suspicious-remaining

in shallow water. Given that our boat design calls for scrap wood

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Build a Liberum Dory

1. Check the website www.thefreesאהs.org for wise-the-hard-way, and the boat builders, people who have learned words from Salty boat signers themselves! Changes are inevitable.

2. Lay templates out on your material, referencing the diagram below to be sure that the pieces labeled 1/4" are laid out on 1/2" plywood and the pieces labeled 1/2" are laid out on 1/4" ply. Trace, and cut out all the parts you will need with the jigsaw, cut to the inside edge of the lines.

3. Laminate stem together as shown. Do the same for stern knee.

4. Assemble frames from 3/4" solid wood. (See drawings below for the details.) Check the website.

5. Lay templates out on your material, referencing the diagram below to be sure that the pieces labeled 1/4" are laid out on 1/2" plywood and the pieces labeled 1/2" are laid out on 1/4" ply. Trace, and cut out all the parts you will need with the jigsaw, cut to the inside edge of the lines.

6. Attach stem and stern knee to the bottom board as shown below. Pilot drill your holes or toenail them in at a sharp angle for best results.

7. Attach the bottom board, knees, together, then do the same with the sides. See the “flanks” sections as found on the templates.

8. Attach transom to stern knee.

9. Attach the bottom board, stems, together, then do the same with the sides. See the “flanks” sections as found on the templates.

10. Attach stem and stern knee to the bottom board as shown below. Pilot drill your holes or toenail them in at a sharp angle for best results.

11. Proceed from the middle of the boat working toward the ends, working on both sides of the boat equally. Clamp and attach both sides of the 2x4 to the frames. Align the sides to the bottom board with the seam lines on both sides. Make sure the bottom board’s edge is flush with the bottom edge of the sides. Check, again, again, and again, as you move outward.

12. Attach the sides to the stem and transom in the same fashion. Use both adhesive and screws. This may be the most difficult part due to the accumulation of error, increased forces, and difficulty in clamping the corners, process, and caution. So sloppy, but happy heart are almost there.

13. Scab gunwales pronounced “Gunnel” just so you know, the same other as you’ve done with the sides and bottom boards.

14. Soft construction, don’t use the stem pins in the transom. (These are just for show.) Screw in place through the bottom board. Leave the screws a little loose until the sides are attached so that you can pull them into vertical in the locations marked on the sides.

15. And then... build, defy, and attach oarlocks, seats, flotation, a mast, sail, and receive a made liberum number (ml-xx).