

## THE JIG

When constructing the jig, use the full width of the 1x6". This allows you to also use the full length of the 4x8' plywood that you will use for the beam. When the beam is done, you simply cut the ends to fit inside the boat. This is important: Save the ends from the original beam in order to duplicate the compound cuts that will be required on the ends of the new beam that you are building.

When drawing the line on the 1x6 that represents the curvature of the beam, I used a good piece of fir molding (thin). It bends on a pretty even radius. Measure the height from the bottom of the 1x6, mark it and partially drive a drywall screw in at that point. From there you can start bending the molding down to the edges in an even curvature. Scribe the resulting curve and cut with a jigsaw. Use this piece as a template for the second 1x6.

Cut the 2x4's in the appropriate lengths, place them in-between the 1x6's and orient in the direction of the force of the clamps. The 2x4's don't need to be precise, just something to hold the bottom edge of the clamp. Screw the whole thing together with drywall screws.

When laying up your beam, cover the jig with clear plastic, tacked in place with a staple gun, otherwise the jig will become a permanent part of your new beam.

Good luck,  
Dave