

Building Instructions
Blandford Cross Section Part 4

11/24/2017

Lower Deck Framing:

Check the location of the top of the deck clamps with the plans, marking the locations at frames 1 and 9 clamp and glue the clamps in place.

The lower deck beams are labeled LDB-1 thru LDB-4, when you cut the notches for the carlings leave a little white space around the notch and finish the notches with hand files in a vice. This also applies to the ledges in the carlings, you want a snug fit but do not force it into the notch.

Start with LDB-2, LDK-2 & LDK-5, bevel the knees at the frames for a good fit. The beam arms are the most difficult to fit Photo 6289 – 6291 shows my method of clamping the arm beams, don't worry if they are not perfect you get another chance on the upper deck.

Photo 6292 shows the hanging knees LDHN-2 & LDHN-5 with LDB-3 installed. Photos 6293 thru 6299 shows the installation of the remaining beams, knees and carlings, notice the carlings are not glued in place, using the notches in the knees draw lines across the carlings for the ledge notches this keeps the ledges in line even if the notches in the beams are not the same depth, if you know all the notches are the same depth you can precut all the ledge notches. Photo 6300 – 6305 shows the rest of the framing in place.

Mast and Hatch Gratings:

Photo 6306 shows the mast as turned on the lathe notice I cut shallow groves for the rope woolding shown on photos 6311 and 6312.

Photo 6313 shows the mast guide/support in place.

Photo 6307 – 6309 shows the grating for the main and after hatchways.

Lower Deck Planking:

The lower deck plan shows the deck fully planked which you can do or leave part of the framing exposed as shown in photo 6315 and 6316

Waterway and Lower Deck Spirketting:

The waterways are made by ripping two strips of wood at a thirty-degree angle as shown in photo 6319, the lower edge should be slightly above the planking. Photos 6320 – 6322 shows the waterway installed.

The installation of the Spirketting is shown in photos 6223 – 6326 using small spring clamps and rubber bands

Chain Pumps:

The Cistern and pump dales can be built and installed at this time. Photos 6327 – 34 I used beechwood painted black for the pumps. The drawings are self-explanatory, but you do need to add pins at the cistern end pieces to attach it to the deck, pins also need to be added to the cistern end of the pump dales and the waterway ends need to be beveled at a 45-degree angle. The pump crank handles and their supports will be added in Part 5 of the build.