

HULL CONSTRUCTION

PLANKING 3/8" mahogany plywood (Utile, Sapele) in full length strakes, laps epoxy glued as per plan detail.

DECK 3/8" mahogany plywood, in 8 foot sheets, with 3/8" butt straps glued and screwed under seams. Cover with Dynel and epoxy.

KEEL 2 pieces 3/4" x 5 1/2" mahogany, glued to shape. Keel tapers towards ends, taper derived from lofting.

FRAMES 1 1/4" sided, laminated mahogany, minimum molding 2 1/4", eight frames total. Frames 4, 5, & 6 have 1 1/4" mahogany fillers fitted and glued to inside as shown. Frames 1 & 8 may be sawn to shape and joined on centerline with 7/8" mahogany floor timber.

FLOOR TIMBERS as listed

- frame #1 - 7/8" x 5" mahog. - 1/4" carriage bolt to keel
- #2 - 1 1/4" x 3" mahog. - 5/16" " "
- #3 - 1 1/4" x 3 3/4"mahog. - 5/16" " "
- #4 - 2" x 4 1/2" w. oak - 5/8" keel bolt
- #5 -(2) 2" x 4 1/2" w. oak - 5/8" " "
- #6 - 2" x 4 1/2" w. oak - 5/8" " "
- #7 - 7/8" x 4 1/4" mahog. - 1/4" carriage bolt
- #8 - 7/8" x 5" mahog. - 1/4" " "

Floor timbers glued and bolted to frames with 1/4" bronze carriage bolts, and planking glued and screwed to floor timbers.

MAST STEP 1 1/2" x 4" w. oak.

BULKHEADS 3/8" mahogany plywood. Glue and screw to 1" x 1" mahogany margin pieces which are glued and screwed to hull.

INNER STEMS laminated mahogany sided 2 1/2", molded 3", bevel to accept planking. Glue and bolt to keel with 1/4" bronze machine screws.

OUTER STEMS laminated mahogany to fair off planking to a 1/2" stem face (see plan).

CLAMP 3/4" x 1 1/2" oak or mahogany.

CARLIN 3/4" x 1 1/2" mahogany, laminated to shape.

DECK BEAMS 7/8" x 1 3/4" spruce.

DECK KNEES (side decks) 3/4" mahogany.

COAMINGS 1/2" mahogany or oak, steam bent.

SEAT SUPPORTS 7/8" x 1 1/2" w. oak.

SEATS carve from 1 1/4" mahogany or D. fir.

CABIN TOP three layers of 3/16" or 5/32" mahogany plywood, molded to shape. Note: camber shown is for widest part of cabin top. This camber will increase as top narrows. This must be lofted to produce fair curve for centerline.

CABIN TOP BEAM 1 1/4" x 1 1/2" laminated oak.

CHAIN PLATES 3/16" x 1 1/8" brz. plate, bolted through frame and filler piece with 5/16" brz. carriage bolts. Backstay chainplate of 3/16" x 1" bronze. Forestay attachment of 3/8" diameter bronze rod through deck to anchor on inner stem.

DEADWOOD mahogany, D. fir, or yellow pine.

* LEAD KEEL cast to shape shown on keel detail plan, about 955 pounds.

KEEL BOLTS 4 - 5/8" Everdur bronze bolts as shown, cast in place with lead keel. Upper ends threaded, to pass through heavy floor timbers and make up with bronze nuts over heavy washers.

* Please see page 6 of specs.