

SPECIFICATIONS NO. 280

16' 9" WATERLINE SLOOP

IN GENERAL:

In carrying out these specifications, it is understood that all workmanship and materials shall be the best procurable of their kind, and that stock shall be well seasoned and free from defects.

The specifications and drawings are intended to cooperate, so that any works exhibited in the drawings and not mentioned in these specifications, or vice versa, are to be executed the same as if they were mentioned in these specifications and set forth in the drawings, to the true meaning and intention of these specifications and drawings, without any extra charge whatever.

No changes are to be made in either the plans or specifications without the written consent of the Architect or Owner.

DIMENSIONS:

Length on Deck....19' 6"
Length Waterline...16' 9"
Beam..... 7' 7"
Draft..... 2' 1"

FOUNDATION:

Of Oak, sided as per rabbet, molded as shown. Mortised to receive heels of frames. Paying surfaces painted with anti-fouling paint and suitable bedding compound. Bolting to be galvanized iron, of sizes as called for on Construction Plan.

FRAMES:

Of clear, straight-grained oak, 1-1/4" square, steamed and bent into place, spaced 9" center to center. Heels of frames mortised to keel and bolted to floor timbers with two 1/4" dia. galvanized carriage bolts.

FLOOR TIMBERS:

Of Oak, generally 1-1/2" thick, fastened to foundation with 3/8" dia. galvanized bolts, two to each floor in the widest part of keel and single 3/8" dia. bolt forward and aft. Heels of frames fastened to floor timbers with two 1/4" dia. galvanized carriage bolts:

LIMBERS:

Throughout length of boat. Bottom to be run with boat pitch to height of all limbers.

STERN TRANSOM:

Of Pine. Planks to be 1" thick and not over 5" wide. Fashion pieces of 1-1/2" thick oak. Stern to be flat.

BILGE STRINGERS:

One each side, 1-1/4" x 3", oak or hard pine. Fastened at every frame with one 2-1/2" #16 flat head galvanized screws, staggered heads not bunged. Stringers to be full sectional area for one-half their middle length, and tapered to 1" x 3" at ends.

CLAMPS: Oak or Hard Pine, 1-1/2" x 3". Taper due to beveling to come out of these dimensions. Bolted through every frame with 1/4" dia. galvanized carriage bolt. Lower inside edge to be slightly beveled or rounded.

PLANKING: Pine or Cedar, to finish 1" thick. Butts bolted with 1/4" dia. galvanized stove bolts with countersunk head. Planking to show a tight seam inside and caulking seam of 1/16" outside. Fastenings to be 1-3/4" #12 galvanized screws, bunged.

BUTT BLOCKS: Oak, 1" thick.

DECK BEAMS: Oak, spaced generally 9" center to center. Main beams 1-3/4" x 1-3/4". Auxiliary beams sided 1-1/8", moulded 1-3/4". Half beams sided 1", moulded 1-3/4". Sawed to crown of 4" in 8'. Main beams fastened to clamp with 1/4" dia. galvanized bolt, and other beams fastened with 1/4" dia. galvanized bolts.

DECK BLOCKS: Oak, 1-1/2" thick, under all deck fittings.

TIE RODS: 5/16" dia. galvanized. Two under main deck each side of house; two under main deck each side of cockpit. One from deck to step 3/8" dia. at mast.

MAIN DECK: 1/2" thick 5-ply waterproof plywood, covered with Celastic.

CHOCK RAIL: Oak, 1" x 1". Fastened into sheerstrake with 2-1/4" x #12 galvanized screws. Scuppered at lowest part of sheer.

HULL CEILING: 5/16" pine, with edges rounded.

RUDDER: Blade of 1-1/2" oak, tapered to 1" at trailing edge. bolted with 3/8" dia. galvanized.

RUDDER GUDGEONS: Three sets as shown, of cast Manganese bronze.

TILLER: Of oak, fastened to rudder with two bronze straps of 1/8" thick bronze.

HOUSE SIDES & COCKPIT COAMING: Oak, 7/8" thick, through bolted to sill with 1/4" dia. galvanized bolts spaced about 12".

COCKPIT FLOOR: 1/2" plywood covered with Celastic.

COCKPIT SCUPPERS: 1-1/2" dia. lead pipe, flanged top and bottom, and both flanges bronze screw fastened.

COCKPIT FLOOR BEAMS: Oak, 1" x 2", spaced 9" center to center.

HATCH TO ENGINE: Oak coamings and 1/2" fir 5-ply waterproof plywood top, covered with Celastic.

COCKPIT COAMING CAP: 3/4" x 1-3/8" Oak, with only about 1/8" nosing on inside.

HOUSE TOP: 1/2" thick 5-ply waterproof fir plywood, covered with Calastic. Fastenings 1-1/4" #8 galvanized nails.

HOUSE BEAMS: Laminated oak, sided 7/8" and molded 1-1/4", spaced about 8" c. to c. There will be a heavy beam, 1-1/4" x 1-1/4", at companionway slide. Beams to crown 6-1/4" in 7'.

HOUSE BEAM CLAMP: Oak, 1-1/4" x 1-3/4".

MOULDING AROUND HOUSE: 7/8" half round of oak.

COMPANIONWAY SLIDE: Of 3/4" thick oak, splined and glued with Cascophen glue. Runnof 1-1/4" oak.

CENTERBOARD: Of oak 1" thick, with 24-lbs. of lead run into it to sink it.

CENTERBOARD LOGS: Of oak, as shown, 2-3/4" thick, and height to underside of cabin floor. Floor timbers dovetailed into logs.

CENTERBOARD BOX: Sides of 1-1/4" pine, splined and glued. 5/16" dia. galvanized bolts to extend from bottom of keel to top of C.B. Box sides.

CENTERBOARD POSTS: Of oak.

CENTERBOARD BOX TOP: of 5/8" oak.

BITT FORWARD: Oak or locust, 3" x 3", with 3/8" dia. x 7" long bronze pin.

PORTLIGHTS: Two fixed ports of 3/16" thick plate glass, one each side of cabin trunk, glazed watertight.

SPARS: Of Sitka spruce, box section. Main mast hollow, other spars solid. Bowsprit of spruce, flat plank type.

SPAR IRON WORK: Furnished by Owner and installed by Builder.

BLOCKS, TURNBUCKLES & DECK FITTINGS: Furnished by Owner, installed by Builder.

CHAINPLATES: Of cast Manganese bronze. Installed on outside of planking.

BOBSTAY PLATES: Tobin or Naval bronze plate, or cast Manganese bronze.

STANDING RIGGING: Furnished by Owner and installed by Builder.

RUNNING RIGGING: Furnished by Owner, and rove off, spliced and whipped by Builder.