

PUG BILL OF MATERIALS

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION

LUMBER: White oak, mahogany (Philippine or Honduras), spruce, or similar types of wood common to the area for boatbuilding can be used. Seat cleats and similar members that impart no great structural strength may be almost any good grade of lumber. The wood should be knot free (small solid ones are permissible), properly dried, and free of splits. Lumber designated as 1" is "four quarters" lumberyard stock, usually finished to 3/4" net thickness. Lumber listed as 1/2" thickness is net (see instructions) and can be cut to size with a table or radial arm saw rather than pay a premium at the lumberyard. All widths are NET and the noted lengths allow for cutting to fit. However, lumber noted as 2" stock is lumberyard size in both thickness and width (e.g. A 2" x 6" will usually net 1 1/2" x 5 1/2").

NOTE: The following listing is for the basic hull only. The types of lumber listed are suggested but can vary and those common to the locale substituted; mahogany is listed for appearance. Although the sizes are noted individually, it is best to group the lumber, purchase "random/random" (varying widths and lengths) lumberyard stock, and rip and trim to the required sizes. CHECK ALL SIZES TO THE WORK PRIOR TO CUTTING.

Abbreviations used are: Mahog. = mahogany; DF = Douglas-fir.

ITEM	MATERIAL	NO. PCS	SIZE
Bottom Battens near CL	Mahog	2	1" x 2" x 9'6"
Bottom Battens outboard	Mahog	2	1" x 2" x 6'
Deck beam aft	Mahog	1	1" x 4" x 5'6"
Deck beam fwd.	Mahog	1	1" x 3" x 4'
Strongback	Mahog	1	1" x 2-1/2" x 4'
Deck battens (makes 2)	Mahog	1	1" x 2" x 6'
Side deck partial beams (makes all)	Mahog	1	1" x 3" x 4'
Keel upright	Mahog	1	1" x 2" x 6'
Clamp	Mahog	2	1/2" x 1-1/2" x 15'
*Sheer	Mahog	2	1/2" x 1-1/2" x 15'
**BW sheer	Mahog	2	1/2" x 1-1/4" x 15'
Breasthook, bow & stern	Mahog	1	1" x 8" x 6'
**Inner BW sheer	Mahog	2	1" x 1-1/4" x 15'

Carling	Mahog	2	1" x 6" x 4'6"
Skeg	DF	1	1" <i>net</i> x 3" x 7'
BH cleat	Mahog	1	1" x 2" x 4'
*3/4" x 1-1/2" x 15' for Runabout version **Delete these when building Runabout version			

PLYWOOD: All plywood must be intended for marine or exterior use. Interior grades are NOT acceptable. Marine plywood has higher grade inner plies, while exterior grade cores may be of inferior material with inner voids not apparent to the eye. In most cases, the glues used in both marine and exterior panels are the same. A solid core marine grade is preferable, although an exterior grade can be used with the understanding that unseen interior voids can cause problems. Douglas-fir plywood is acceptable, but high quality okoume, mahogany, or other veneers (usually imports) are preferable. The grade of the outer veneers of plywood panels is identified by the letters A, B, and C with A being best, etc. The best face of all panels should be the one exposed. Any patches on lower grade veneers should be on the interior, especially on the forward bottom. Check the PLYWOOD LAYOUT on the Full Size Pattern sheet 1 of 1 for the method of utilizing the listed plywood to obtain the various parts.

Abbreviations used are: DF = Douglas Fir; Mahog. = mahogany; PW = plywood; Ext. = exterior; Mar. = marine.

ITEM	MATERIAL	NO. PCS	SIZE
Layout I	Ext. DF AB or Mar. AA	2	1/4" x 4' x 8'
Layout II	Ext. DF AB or Mar. AA	2	1/4" x 4' x 8'
Layout III	Ext. DF AB or Mar. AA	2	1/4" x 4' x 8'
Layout IV	Ext. DF AB	1	1/4" x 4' x 8'

MISCELLANEOUS

***STITCHING WIRE:** Copper wire 12 or 14 Ga. - 50' required

***MICROSPHERES (or equal):** - 1 pound

***SILICA:** - 1 pound

*FIBERGLASS: All fiberglass cloth is to be marine grade,
"E" glass, 6 - 8 oz.*

***FIBERGLASS TAPE:** For interior junctions per the LAM SCHED.
3" wide tape - 35 yards

4" wide tape - 34 yards

****FIBERGLASS CLOTH:** For covering exterior

50" wide cloth - 9-1/3 yards

4" wide tape - 10 yards

HOW USED: Use 14' of 4" tape over the chines lapping the side and bottom. Use 14' of 50" cloth to cover each half of the boat, lap the centerline seam to the opposite side at least 2" and extend over the chine to the sheer. Save cloth cut-off from 50" cloth, along bow and stern, to cover the bulwark lapping over the side cloth about 2".

RESIN: For encapsulating, resin putty fillets, gluing, and applying interior tape.

*"Poxy-Shield" epoxy resin with slow hardener - 2 gallons

**For EXTERIOR fiberglass covering - add 2 gallons

NOTE: Resin quantities assume that waste will be minimal.

FASTENERS: *For basic hull only.*

*SCREWS: Refers to flat head wood type bronze

- 3/4" #8 Screws - 144
- 7/8" #8 Screws - 72
- 1" #8 Screws - 144
- 1-1/2" #8 Screws - 72
- 2" #10 Screws - 12

*NAILS: Refers to ring type bronze boat nails

- 3/4" #14 Nails - 1/2 pound