

Centerfold Bill of Materials

The following list of materials is intended to be a general guide only. Before ordering any materials, the text and plans should be checked for possible options. All lumber listed as 1" stock is to be standard "lumberyard four quarter" material which when finished may vary to somewhat less or slightly more than 3/4" in thickness. All widths are NET and all lengths allow for cutting to fit. Grouping lumber and purchasing random-random material to resaw to the required size will result in considerable savings. All lumber used should be first grade free from shakes and knots. Although spruce (Sitka variety) and mahogany (dark red Philippine type) are called out in the listing, lumber typical to the locale and of similar types and weights may be substituted. All plywood (PW) is to be a marine or exterior (EXT) grade. The marine type is preferable as the inner cores are solid and thus the panel has more structural integrity. Douglas fir (DF) is satisfactory with the quality of the exposed faces of the veneer being designated by the letters A or B. The AA grade panels are always preferable, however, AB grade is acceptable. All plywood should be a minimum of three plies. All fastenings should be bronze or hot dipped galvanized ferrous metal. Brass fastenings are not advised nor are electroplated screws commonly sold in hardware stores. All screws are to be of the flat head type intended for wood. All nails are of the ring type nail common to boat construction. Unless otherwise specified, all wood-to-wood joints are to be glued with a waterproof or highly water resistant glue such as plastic resin, epoxy or equivalent type used per the manufacturer's instructions regarding temperature, clamping requirements, curing time, and mixing method.

Abbreviations: DF = Douglas-fir, SP = Sitka spruce, MAH = Mahogany.

ITEM	MATERIAL	NO. PCs.	SIZE
LUMBER:			
Framework - Frames #1 & #2	SP or Mahog	1	1" x 4" x 7'
Framework - Bow Piece	SP or Mahog	1	1" x 3" x 4'

Sheers #4 & #5	Mahog	2	1" x 8" x 8'
Midship seat for #1	Mahog	1	1" x 3" x 4'
Midship seat for #2	Mahog	1	1" x 5" x 4'
Skeg	SP or Mahog	1	1" x 3" x 2'
Aft seat #6	Mahog	1	1" x 8" x 4'
Bow seat #9	Mahog	1	1" x 8" x 3'
*Mast brace #13	Mahog	1	1" x 6" x 4'
*Daggerboard	Mahog	1	1" x 8" x 3'
*Rudder #11	Mahog	1	1" x 8" x 3'
PLYWOOD:			
Bow member #3 & center frames #1 & #2	Ext PW-AB	1	1/4" x 4' x 4'
Transom #0	Ext PW-AB	1	3/4" x 2' x 4'
Bottom planking	Ext PW-AB	1	1/4" x 4' x 8'
Side planking	Ext PW-AB	1	1/4" x 4' x 8'

*Not required for non-sailing dinghy

FASTENINGS: Nails refers to ring type boat nails in bronze. Screws refers to flat head wood type in hot tipped galvanized or silicon bronze.

- 3/4" #8 Nails - 1/2 lb.
- 1" #8 Screws - 18 dozen
- 1-1/2" #8 Screws -7 dozen

GLUE: Epoxy - 1 quart