

Glen-L 14 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 marine (MAR) 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 the 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, resorcinol, epoxy, or other equivalent type used per the manufacturer's instructions regarding temperature, clamping requirements, curing time, and mixing method.

ITEM	MATERIAL	NO. PCs.	SIZE
LUMBER:			
*Frame members	Mahog, Oak or Spruce		1" x 3" x 20 Lin. ft. 1" x 4" x 11 Lin. ft. 1" x 6" x 24 Lin. ft.

*Centerboard trunk bed logs	Mahog, Oak or Spruce	2	1" x 4" x 4'
*Centerboard trunk uprights	Mahog, Oak or Spruce	1 1	1" x 2" x 2'-6" 1 1" x 4" x 2'
Keel	Mahog, Oak or DF	1	1-1/4" x 4" x 12'
Bottom battens	Mahog, Oak or Spruce	2 2 2	1" x 2" x 12' 1" x 2" x 11' 1" x 2" x 9'
Chine Logs	Mahog, Oak or Spruce	2	1" x 2" x 14'
Sheer Clamps	Mahog, Oak or Spruce	2	3/4" net x 1-1/8" x 16'
Outer Sheer (optional)	Mahog, Oak or Spruce	2	5/8" net x 1-1/8" x 16'
Carling	Mahog, Oak or Spruce	2	1" x 3" x 9'
Deck Battens & Strongback	Mahog, Oak or Spruce	1" x 2" x 15 Lin. ft.	
Seat & Trunk Cap Cleats	Mahog, Oak or Spruce	1	1" x 1" x 16'
Seat Top Slats	Mahog, Oak or Teak	14	1" x 1" x 9' (plywood opt)

Centerboard Trunk Cap	Mahog, Oak, or Teak	1	1" x 4" x 5'
Tiller	Mahog, Oak or Teak	1	1" x 3" x 3'-6"
Mast	Sitka Spruce or DF	2	1-1/4" x 3-1/2" x 19'-6" (net)
Boom	Sitka Spruce or DF	1	1" x 2-1/4" x 8' (net)
PLYWOOD:			
*Transom, Floor Timbers, Stem, Breasthooks, Centerboard & Rudder	DF EXT AB	1	3/4" x 4' x 8'
Bottom Planking & Side Decking	DF MAR AA or EXT AA	2	1/4" x 3' x 14'**
Side Planking	DF MAR AA or EXT AA	1	1/4" x 4' x 16'
Forward Decking	DF EXT AB	1	1/4" x 4' x 8'
*Centerboard Trunk Sides & Gussets	DF EXT AB	1	1/4" 4' x 8'
<p>*Not required if building from a frame kit **Material must be carefully cut and scribed to obtain both members.</p>			

FASTENINGS:

- SCREWS: Flat head wood type, bronze or hot dipped galvanized iron.
- 3/4" #8 - 4 gross
- 1" #8 - 6 dozen
- 1-1/2" #8 - 1 gross
- 2" #10 - 9 dozen

- NAILS: Ring type, Bronze or Monel
- 1" #12 - 1-1/2 pounds

- CARRIAGE BOLTS with nuts and washers. Check all lengths to work.
- 1/4" x 7" - 2 each

GLUE: Epoxy - Approximately 1 gallon