

Glen-L 13 Bill of Materials

All lumber noted allows length for fitting. All widths are actual size. All thicknesses are standard finished sizes, with 1" lumber being four quarters material, usually finished about 3/4". Where the lumber types listed are not available, suitable marine lumber can be substituted, including select Douglas-fir or long-leaf yellow pine, with dense straight grain. Other materials can be used if they have been used with successful results in your locale. Oak refers to white oak (red oak being more subject to rot). Mahogany refers to African, Honduras, or Philippine-dark red varieties. Spruce refers to Sitka spruce and is used when minimum weight is desired. Plywood must be either marine or exterior grades, interior grade is not acceptable.

Abbreviations used in the following material listing are: PW = plywood; Mahog = dark red Philippine mahogany; SP = Sitka spruce; DF = Douglas-fir; EXT = exterior.

ITEM	MATERIAL	NO. PCs.	SIZE
LUMBER:			
*Frames and Bed logs	Oak, Mahog or SP	40 bd. ft. "four quarter" material, random widths & lengths	
*Centerboard Uprights	Oak, Mahog or SP	1	1-1/8" net x 2" x 2'-6"
*Centerboard Uprights	Oak Mahog or SP	1	1-1/8" net x 1-1/4" x 2'
Keel	Oak, Mahog or SP	1	1" net x 3-1/2" x 10'

Chine Log	Oak, Mahog or SP	2	1" x 2" x 14'
Sheer Clamps	Oak, Mahog or SP	2	3/4" x 1-1/4" x 14'
Outer Sheer (optional)	Mahog or SP	2	5/8" x 1-1/2" x 14'
Battens, bottom	Oak, Mahog or SP	2	1" x 2" x 10'
Carling	Mahog or SP	1	5/8" x 8" x 9' (makes 2)
Deck Beams	Mahog or SP	1	1" x 8" x 6" (makes 2)
Forward Deck Bracing & Longitudinals	Mahog or SP	1	1" x 3" x 12'
Strongback	Douglas-fir	1	2" x 3" x 2' (lumberyard size)
Blocking for Deck	Oak, Mahog or SP	1" stock as required	
Mast	SP	1	2-3/4" x 3-5/8" x 20' (net)
Boom	SP	1	7/8" x 3-1/2" x 10'-6" (net)

*These items not required if purchasing a frame kit.

PLYWOOD:

*Frame Gussets & Trunk Sides	DF PW EXT AB	1	1/4" x 4' x 8'
*Stem, Knees, Rudder, Center-board & Breasthook	DF PW EXT AB	1	3/4" x 4' x 8'
Planking, side & bottom	DF PW, AB MAR	4	1/4" x 4' x 8' (or 2-4' x 14')
Decking	Mahog or DF PW, AB MAR or EXT	2	1/4" x 4' x 8'
Floorboards	DF PW, EXT AB	1	1/4" or 3/8" x 4' x 8'

FASTENINGS:

- SCREWS: Flat head wood type, bronze or hot dipped galvanized iron.
- 3/4" #8 Screws - 3 gross
- 1" #8 Screws - 1 gross
- 1-1/4" #8 Screws - 1 gross
- 1-1/2" #8 Screws - 1 gross
- 2" #10 Screws - 5 dozen

- NAILS: Ring type, Bronze or Monel
- 1" #12= 3 pounds

- CARRIAGE BOLTS: Bronze or hot dipped galvanized. Check all lengths to work.
- 1/4" x 4" - 3 required
- 1/4" x 7" - 2 required

- 1/4" x 3" - 1 required

GLUE: Epoxy - Approximately 1/2 gallon