

# Islander 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, unless specified as NET. 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 oak (white oak), Sitka spruce, and mahogany (African, Honduras, or Phillipine-dark red varieties) are called out in the listing, lumber typical to the locale and of similar types and weights may be substituted. Long-leaf yellow pine is a good substitute for oak. 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.

**CHECK ALL SIZES TO THE WORK PRIOR TO CUTTING.** Abbreviations used are: Mahog = mahogany; SP = Sitka spruce; DF = Douglas-fir; PW=plywood; Ext=exterior; MAR=marine.

ITEM	MATERIAL	NO. PCS.	SIZE
<b>LUMBER:</b>			
Frames	Mahog or Oak	175 Random bd. ft.	
Keel	Mahog or Oak	2	1-1/4" x 5" x 19'
Chine log	Mahog or Oak	2	1-1/2" x 3" x 24'
Sheer clamp	Mahog or Oak	2	1-1/4" x 2-1/2" x 18'
Bottom battens	Mahog or Oak	6	1-1/4" x 2" x 22'

Side batten	Mahog or Oak	4	1" x 2" x 26' (or cut to make up lengths)
Carling	Mahog or Oak	2	1-1/4" x 6" x 21'
Deck battens	Mahog or Oak	2	1" x 2" x 11'
Skeg	Fir or Oak	1	3" x 8" x 16'
Stem cap	Oak	1	1" x 1-1/4" x 9'
Spray rail (option)	Oak	2	1-1/2" x 2-1/2" x 24'
Deck blocking & hatch frmg	Mahog	1-1/4" stock as required	
Motor stringers	Oak or DF	2	2" x 8" x 12'
Motor stringer blocking	Oak or DF	2	2" x 3" x 16' cut as req.

### PLYWOOD:

Gussets	DF Ext AB	2	1/2" x 4' x 8'
Transom	DF MAR AA	1	3/4" x 4' x 8'
Harpins & stem core	DF MAR AA	1	3/4" x 4' x 12'**
Bottom planking	DF MAR AA	6	1/4" x 4' x 8'
		6	3/8" x 4' x 8'
Side planking	DF MAR AA	4	3/8" x 4' x 14'**
Decking	DF Ext AA or AB	4	3/8" x 4' x 8'

\*\*4' x 8' sheets can be substituted for longer sheets in all cases. Adjust quantities accordingly.

### FASTENINGS:

**Screws:** Flathead wood type, bronze or hot dipped galvanized

- 1-1/4" #8 - 5 gross
- 1-1/2" #8 - 15 gross
- 2" #10 - 1 gross
- 3" #14 - 2 gross

**Nails:** Ring type boat nails, bronze or Monel

- 1" - 4 pounds
- 1-1/4" - 4 pounds

**Carriage Bolts:** Bronze or hot dipped galvanized complete with nuts and washers. Threaded rod can be used optionally and jamming with nuts.

**IMPORTANT:** *All lengths must be checked to work. See instructions for options.*

- 1/4" x (take length from work) - 20 required - Chines to frame
- 5/16" x 3" - 40 required - side deck beams & beams to frame
- 1/4" x (take length from work) - 20 required - keel to frame

- 1/2" x 4-1/2" - 28 required - motor stringers to blocking
- 1/4" x 6" - 28 required - motor stringer blocking to frame
- 1/4" x 8-1/2" - 4 required - blocking at #5 to frames
- 5/16" x 7" - 4 required - stem to keel
- 1/4" x 3-1/2" - 6 required - stringers to uprights
- 1/4" x 4-1/2" - 6 required - sheer clamp to harpin
- 3/8" x (take length from work) - 7 required - skeg to floor timbers

**Glue:** Epoxy - 3 gallons