

Sirocco 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 oak (white oak), Sitka spruce, 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.

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
LUMBER:			
Frames	Mahog, Oak or SP	50 Random-random board feet, varying lengths & widths, some to 6" wide	

Keel	Mahog, Oak or SP	2	1" x 4" x 13'
Chine logs	Mahog, Oak or SP	2	1-1/4" x 3" x 21'
Bottom battens	Mahog, Oak or SP	2 2 2	1" x 2-1/2" x 18' 1" x 2-1/2" x 17' 1" x 2-1/2" x 15'
Sheer clamps	Mahog, Oak or SP	4 2	1" x 1-1/2" x 22' 1" x 1-1/2" x 8'
Lift strakes	Mahog, Oak or SP	2	1-1/4" x 3" x 16'
Carlings	Mahog, Oak or SP	2	1-1/4" x 2" x 12'
Cockpit sole battens	Mahog, Oak or SP	3 2	1" x 2" x 15' 1" x 2" x 12'
Decking strongback	Mahog, SP or DF	1	1" x 2" x 8'
Deck battens	Mahog, SP or DF	2	1" x 2" x 4'-6"
Deck beams (fore & aft)	Mahog, SP or DF	2	1" x 2" x 4'
Transom uprights (I/O ver)	Mahog, Oak or DF	2	2" x 4" x 2'-6"
PLYWOOD:			

Stem laminations	DF Ext AB	1	3/4" x 4' x 8'
Transom & breasthook	DF Ext AB	1	3/4" x 4' x 8'
Frame floor timbers & gussets	DF Ext AB	1 1	3/8" x 4' x 8' 3/8" x 2' x 8'
Side planking	DF Ext AB DF Ext or MAR AA	1 1	3/8" x 4' x 10'** 3/8" x 4' x 12'**
Bottom planking	DF Ext or MAR AA	2 4	1/2" x 4' x 8' 1/4" x 4' x 12'**
Cockpit sole/berth top	DF Ext AC	4	3/8" x 4' x 10'**
Decking	DF Ext AC	2 1	3/8" x 4' x 10'** 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
- 3/4" #8 - 1 gross
- 1" #8 - 6 gross
- 1-1/4" #8 - 5 gross
- 1-1/2" #8 - 4 gross
- 2" #10 - 1 gross & 2 dozen
- 3" #14 - 2 dozen
- Nails: Ring type boat nails, bronze or Monel
- 1 1/4" - 4 pounds
- Carriage Bolts: Bronze or hot dipped galvanized complete with nuts and washers. See

Fastening Schedule and Instructions. Lengths must be taken directly from the work. Threaded rods with nuts on both ends may be utilized where longer lengths are not available.

Glue: Epoxy - 1 1/2 gallons