

# Cabin Skiff Bill of Materials

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION. 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 mahogany (dark red Philippine type) is 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.

Abbreviations used in the following are: DF = Douglas-Fir; Mahog. = Mahogany; PW = Plywood; MAR = Marine; EXT = Exterior.

ITEM	MATERIAL	NO. PCS.	SIZE
<b>LUMBER:</b>			
#10 & #17 Breasthook	Mahog	1	2" x 9" x 1' (Lams of 2" stock opt.)
#11 Long Beam	Mahog	2	1" x 1-1/4" x 6'-6"
Aft Top Cleat	Mahog	2	1" x 1-1/4" x 4'-6"
Fwd Cleat & Upright			
#12 Motor Well Side Cleats	Mahog	1	1" x 1-1/4" x 9 lin. ft.
#13 Partial Bulkhead	Mahog	1	1" x 1-1/4" x 5'
Top Cleat	Mahog	1	1" x 1-1/4" x 3'

Bottom Cleat			
#14 Aft Bulkhead	Mahog	1	1" x 1-1/4" x 6'
Top Cleat	Mahog	1	1" x 1-1/4" x 4'-6"
Bottom Cleat			
#17 Fwd Bulkhead	Mahog	1	1" x 1-1/4" x 3'
Top Cleat			
<i>NOTE: Total of above 1" x 1-1/4" cleats = 53 lineal feet.</i>			
Knee Cleat	DF	1	2" x 4" x 2'
Flat Cross Cleats	Mahog	1	1" x 2-1/2" x 4'-6"
	Mahog	1	1" x 2-1/2" x 2'-6"
Berth Batten	Mahog	1	1" x 3" x 5'
Inner Sheer	Mahog	4	1" x 1-1/2" x 17'
Outer Sheer	Mahog	2	1" x 1-1/2" x 17'
Sheer Bumper	Mahog	2	1" x 1-1/4" x 17'
Sheers Across Transom	Mahog	1	1" x 1-1/2" x 10'*
Bumper Across Transom	Mahog	1	1" x 1-1/4" x 5'*
Cabin bulkhead beam	Mahog	1	1" x 3" x 3'*
Cabin bulkhead post	Mahog	2	1" x 1-3/4" x 4'
#18, #19 & #20 cleats	Mahog	1	1" x 1-1/4" x 4'
<b>Trunk Cabin</b>			
Top Cleats	Mahog	2	1" x 1-1/2" x 8'-6"
Front Beam	Mahog	1	1" x 5-1/2" x 4'
Between Cabin Beams	Mahog	1	1" x 4" x 2'
Front at Deck	DF	1	2" x 3" x 4'
Entry Beam #G	Mahog	1	1" x 4" x 2'
Cabin Beams	Mahog	2	1" x 3" x 4'-6"
Entry Door Jamb	Mahog	2	1" x 3" x 3'-6"
Hatch Entry Jambs	Mahog	1	1" x 4" x 3'*
Threshold	Mahog or Oak	1	1" x 3" x 2'
#C Centerpost	Mahog	1	1" x 8" x 3'
#D Centerpost Knee	Mahog	1	1" x 6" x 4'
Cabin post upright, fwd.	Mahog	1	1" x 3-1/2" x 5'*
Cabin post upright, aft	Mahog	2	1" x 3" x 4'
Cabin support post	Mahog	2	1" x 2-1/4" x 4'-6"
<b>#E Windshield</b>			
Top	Mahog	1	1" x 6" x 4'*

Bottom	Mahog	1	1" x 5" x 4"
Center	Mahog	1	1" x 3" x 4'-6"*
Ends	Mahog	1	1" x 2-1/2" x 4'-6"*
Deck Cleat	Mahog	1	1" x 1-1/4" x 5"

### Hardtop

#F Bridge Beam	Mahog	1	1" x 7" x 5'-6"
Longitudinal Beams	Mahog	2	1" x 3" x 3'
Blocking between above	Mahog	1	1" x 4" x 2'
Window cleats, upper	Mahog	1	1" x 3-1/2" x 5"
Window cleat, lower	Mahog	1	1" x 2-1/2" x 7"

\*Makes two or more parts

**PLYWOOD:** See "Plywood Layout" Pattern Sheet 1 of 2

#1, #6 & #11	DF Mar AA	2	3/8" x 4' x 8'
#3, #4, #5, #13, Keel, battens, etc.	DF Ext or Mar AA or AB	4	3/8" x 4' x 8'
#12, #14, #15, #B & Misc	DF Ext AC	3	3/8" x 4' x 8'
#8 & #9	DF Ext AB	1	3/4" x 4' x 8'
#19, #20, #21, #22, #23, #24, #25 & #B	DF Ext AB or AC	3	3/8" x 4' x 8'
#18 & cabin roofs	DF Ext AB	2	1/4" x 4' x 8'

### FASTENINGS:

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

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

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

- 1" - 2 pounds
- 1 1/4" - 1 pound

**CARRIAGE BOLTS:** With nut and washer

- 5/16" x 6" - 4 required
- 1/4" x 5" - 1 required

**STITCHING WIRE:** Copper wire 12 or 14 ga. Steel wire optional but must be removed. - 50

lineal feet

**EPOXY RESIN:** Epoxy Resin: For gluing, epoxy encapsulation & resin putty

- INTERIOR: Approx. 3-1/2 gallons
- EXTERIOR: Includes fibreglassing - Approx. 3-1/2 gallons

**MICROSPHERES** (or equal): 3 lbs.

**SILICA:** 1-1/2 lbs.

**FIBERGLASS CLOTH:** For exterior sheathing, 7-8 oz. treated boat type.

- 12 yards - 60" wide
- 5 yds - 38" wide (split into 3 equal widths for bulwarks)

**BI-AXIAL CLOTH:** (tape optional) 17 oz or equivalent.

- 27' (9 yds.) 50" cloth cut lengthwise into 3", 4" and 5" widths.