

Jubilee 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.

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

ITEM	MATERIAL	NO. PCS.	SIZE
LUMBER:			
Framing material	Mahog, Oak or DF		1-1/4" material at least 100' of 4" widths, 30' of 2" widths, and 40' of 7" widths
Keel	Mahog, Oak or DF	1	2" x 4" x 23'
Chine logs	Mahog, Oak or DF	2	1-1/2" x 3" x 19'
	Mahog, Oak or DF	4	1-1/2" x 6" x 7'
Bottom battens	Mahog, Oak or DF	6	1-1/4" x 3" x 24'

Sheer clamps	Mahog, Oak or DF	2	1-1/2" x 3" x 24'
Carling	Mahog, Oak or DF	2	2" x 4" x 22'
Sheer harpin	Mahog, Oak or DF	2	2" x 6" x 7'
Bow piece	Mahog, Oak or DF	1	2" x 8" x 7'
Forward deck beams	Mahog, Oak or DF	3	2" x 2" x 7'
	Mahog, Oak or DF	4	2" x 2" x 2'
Corner posts	Mahog, Oak or DF	2	2" x 3" x 8'
	Mahog, Oak or DF	2	2" x 3" x 9'
Blocking & misc. uprights	Mahog, Oak or DF	2" x 2" material at least 60 lin ft, 1" x 2" material at least 15 lin ft	
Hatch beams (inboard only)	Mahog, Oak or DF	2	2" x 3" x 4'
Motor stringer uprights (inboard only)	DF or Oak	2	2" x 4" x 3'
	DF or Oak	2	2" x 2" x 3'
Motor Stringers	DF or Oak	2	2" x 6" x 4'
Motor beds (inboard only)	DF or Oak	2	3" stock at least 4" wide w/lengths to suit.
Hatch framing (inboard only)	Mahog, Oak or DF	1-1/4" x 2" material at least 30 lin ft	
Skeg	Mahog, Oak or DF	1	2" x 4" x 17'
PLYWOOD:			
Transom	DF Ext AB	1	3/4" x 4' x 10'
Transom lamination	DF Ext AB	3/4" with size as rqd for install.	
Bulkheads A, B, C, D	DF Ext AB	4	3/8" x 3' x 10'***
Stems	DF Ext AB	1	3/4" x 4' x 8'
	DF Ext AB	1	3/4" x 2' x 8'
Harpin	DF Ext AB	1	3/8" x 3' x 8'
Fore and aft bulkheads	DF Ext AB	3	3/8" x 3' x 10'***
Bottom Planking	DF MAR AA	4	3/8" x 4' x 16'***
	(Ext. AA Optional)	2	3/4" x 4' x 16'***
Side Planking	DF MAR AA	2	1/2" x 3' x 14'***
	(Ext. AA Optional)	2	1/2" x 3' x 16'***
Planking excess to be utilized for planking butt blocks.			
Decking	DF Ext AB	6	3/4" x 4' x 10'***
	(AC Optional)	1	3/4" x 4' x 4'
Decking butt blocks	DF Ext AB (AC Optional)	1	3/4" x 4' x 8'
Gussets	DF Plywood Ext from scraps of 3/8" panels		
***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

- 1-1/2" #8 - 11 gross
- 2" #10 - 6 gross
- 3" #14 - 1 gross

Nails: Ring type boat nails, bronze, stainless steel or Monel

- 1-1/4" - 6 pounds

Carriage Bolts: Bronze or hot dipped galvanized complete with nuts and washers.

- Both 3/8" and 5/16" sizes are required with sizes taken directly from the work for exact length required

Glue: Epoxy - 4 gallons