

Drifter 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.

MATERIAL ABBREVIATIONS: DF = Douglas-fir; PW = plywood; Ext = exterior; Mar = marine; Mah = mahogany; SP = spruce

LUMBER:					
ITEM	MATERIAL	SIZE	14'	16'	18'
Keel	Mah, DF, oak or SP	1"x3"	1@12'	1@14'	1@16'
Bottom Battens	Mah, DF, oak or SP	1"x2"	2@8' 2@10' 2@11'	2@9' 2@12' 2@13'	2@10' 2@14' 2@15'
Chine Logs	Mah, DF, oak or SP	1"x2" 1"x3"	2@13' --	2@15' --	-- 2@17'
Inner & Outer Sheer Clamps	Mah, DF, oak or SP	1"x1-1/2" 1"x2"	4@16' --	4@18' --	-- 4@20'

Deck Beam	Mah, DF, oak or SP	1"x6"	1@4'	1@4'	1@4'
Seat Beams	Mah, DF, oak or SP	1"x3"	4@6'	4@6'	4@6'
Strongback	Mah, DF, oak or SP	1"x3"	1@2'-3"	1@2'-6"	1@3'
Transom Framing	Mah, DF, oak or SP	1"x4"	1@7'	1@7'	1@9'
Seat/Hull Braces	Mah, DF, oak or SP	1"x4"	1@6'	1@6'	1@6'
Bulkhead Blocking	Mah, DF, oak or SP	1"x2"	2@10'	2@10'	2@10'
PLYWOOD:					
Bottom Planking	DF Ext or MAR AA or AB	3/8"x4'x12'(*) 3/8"x4'x14'(*) 1/2"x4'x8'	1 sheet -- --	-- 1 sheet --	-- -- 2 sheets
Side Planking	DF Ext or MAR AA or AB	3/8"x4'x8'(*) 3/8"x4'x10'(*)	4 sheets --	2 sheets 2 sheets	-- 4 sheets
Stem, Transom, Knees, breasthook, seats	DF Ext AB or AC	3/4"x4'x8'	1 sheet	1 sheet	1 sheet
Foredeck, bulkheads, Aft Seats	DF Ext AB or AC	3/8"x4'x8'	1 sheet	1 sheet	1 sheet
(*) 1/2" Plywood optional; see Instructions. 4' x 8' sheets can be substituted for longer size sheets.					

FASTENINGS:

	14'	16'	18'
1" Nails	1 lb.	1 lb.	1 lb.
1-1/4" Nails	1 lb.	1 lb.	1 lb.
3/4" #8 Screws	1 gross	1 gross	1 gross
1" #8 Screws	4 gross	4 gross	2 gross
1-1/4" #8 Screws	1 gross	1 gross	4 gross
1-1/2" #8 Screws	1 gross	1 gross	1 gross
2" #10 Screws	3 doz.	3 doz.	3 doz.
5/16" Carriage Bolts - Lengths taken from work (6" Max.)	17	17	17

GLUE: Epoxy - Approximately 1 quart