

Driftboats Bill of Materials

MATERIAL LISTING: The following is an approximation that can be used for hull cost estimates; it is not meant to be used for buying materials without first checking the instructions and plans for various options which will vary the listing (especially with regard to planking panel sizes, powering choices, laminated members, etc.), and to local suppliers for what material sizes may be available. In other words, each builder must make decisions as to how he will build the boat and use materials, and then take off a listing to suit. As a cost savings, materials should be grouped for resawing to the sizes required. Plywood panel lengths are given to cover the length of the vessel although stock panels of the listed size may not be available. See instructions for options and alternatives.

PLYWOOD: All plywood should be at least AB Exterior or Marine grade; Interior plywood is not acceptable. Douglas-fir or Mahogany-type panels will suffice.

LUMBER: All lumber should be top quality, free from defects, and of types proven in use in boats. Suitable woods include vertical grain Douglas-fir, Alaskan cedar, mahogany (including Philippine, Honduras, and African types), and good quality Southern pine. Thicknesses given below are nominal except as noted "NET". Widths are net. Total lengths listed allow some overage for trimming, etc.

MODEL		12'	14'	16'
LUMBER:				
MEMBER	NO. RQD/SIZE	LENGTH		
Transom framing & tray beam	2 - 1" X 3" 1 - 1" x 4" 1 - 1" x 5"	2' 1' 5'	2' 1' 5'	2' 1' 5'
Stem	1 - 2" X 6"	3'	4'	4'
Breasthook & rail braces	1 - 1" x 10"	6'	6'	6'
Cleats	1 - 1" x 2" 1 - 1" x 3"	4' 4'	4' 4'	4' 4'

Knee braces	1 - 1" x 6"	6'	6'	6'
Keel	1 - 1" x 3"	11'	13'	15'
Battens	2 - 1" x 3"	8'	10'	11'
Inner chine	2 - 1" x 2"	12'	14'	16'
Outer chine	2 - 1" x 2"	12'	14'	16'
Inner sheer	2 - 1"x1-1/2"	14'	17'	19'
Outer sheer	2 - 1"x1-1/2"	14'	17'	19'
Tray cleats	2 - 1" x 1"	6'	7'	8'
Side tray rails	2 - 1" x 3"	6'	7'	8'

PLYWOOD: Listed by model. In addition to below, each model requires one sheet, 4' x 8' x 3/4" "CDX" or similar for temporary forms. See instructions for planking options.

MEMBERS	NO. SHEETS	SIZE
12' STD:		
Side planking	4	1/4" x 4' x 8'
Bottom planking/transom	1	3/8" x 4' x 12'
Other items	1	3/8" x 4' x 8'

14' STD:		
Side planking	4	3/8" x 4' x 8'
Bottom planking/transom	1	1/2" x 4' x 14'
Other items	1	3/8" x 4' x 8'
14' STD/HS:		
Side planking & other items	4	3/8" x 4' x 8'
Bottom planking/transom	1	1/2" x 4' x 14'
Other items	1	3/8" x 4' x 8'
14' WB/STD:		
Side planking	4	3/8" x 4' x 8'
Bottom planking/transom	1	1/2" x 4' x 16'(*)
Other items	1	3/8" x 4' x 8'
14' WB/HS:		
Side planking	4	3/8" x 4' x 8'
Bottom planking/transom	1	1/2" x 4' x 16'(*)
Other items	1	3/8" x 4' x 8'
16' STD:		

Side planking	2 2	3/8" x 4' x 8' 3/8" x 4' x 10'
Bottom planking/transom	1	1/2" x 4' x 16'
Other items	1	3/8" x 4' x 8'
16' STD/HS:		
Side planking	2 2	3/8" x 4' x 8' 3/8" x 4' x 10'
Bottom planking/transom	1	1/2" x 4' x 16'
Other items	1	3/8" x 4' x 8'
16' WB/STD:		
Side planking	2 2	3/8" x 4' x 8' 3/8" x 4' x 10'
Bottom planking/transom	1	1/2" x 4' x 18'(*)
Other items	1	3/8" x 4' x 8'
16' WB/HS:		
Side planking	2 2	3/8" x 4' x 8' 3/8" x 4' x 10'
Bottom planking/transom	1	1/2" x 4' x 18'(*)

Other items	1	3/8" x 4' x 8'
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(*) See layouts. Full length panels can be made from shorter butt- or scarf-joined panels to the noted length overall.

FASTENINGS: Flathead wood type, bronze or hot dipped galvanized wood screws. Totals are approximate.

MODEL	1" #8	1-1/4" #8	1-1/2" #8	2" #10
12' STD	400	200	200	100
14' STD	400	200	200	100
14' WB	500	200	200	100
16' STD	500	200	200	100
16' WB	500	200	200	100

Adhesives: Epoxy adhesives are advised throughout the construction. These may be an epoxy adhesive or epoxy resin. Epoxy resins should be used with thickeners (silica or equal) per the instructions with the resin and/or thickening agent. Due to the noted options, the amount required is difficult to estimate. A gallon container of epoxy should be sufficient for all models.