

Dory Bill of Materials

The following list gives materials required for building the complete hull. However, this list should be used as a general guide and checked against the text for possible options. The listing should be used as a general guide only and the dimensions checked directly to the work whenever possible. All lumber listed as "four quarters stock" is to be finished as full as possible. This will mean a thickness of about 3/4" after milling for the 1" stock and about 1-5/8" for 2" stock. All widths for 1" stock are listed as net. All 2" stock is listed as widths prior to milling. Thus, a 6" wide board will be about 5-1/2" wide after milling for the 2" stock. All lengths allow for cutting to size. Grouping lumber and resawing to size will result in a considerable overall savings. All plywood MUST be an exterior or marine grade. Interior plywood is NOT acceptable. In the listings that follow, PW is the abbreviation for plywood; EXT for exterior; while the letters A and B indicate the minimum soundness of the outer veneer surface. Although short panels are listed, the use of full marine full length panels would be more desirable, but considerably more costly. All lumber listed should be free of knots and shakes. Oak refers to white oak, mahogany to the dark red variety, spruce to the Sitka type, and Douglas-fir to the straight grained variety. Other lumber should be dried properly for its intended use. Fastenings may be hot dipped galvanized iron or bronze. Brass is not advised because of its tendency to fracture under stress. The bronze is the superior fastening, but if the boat is to be left in fresh water or trailed and not left in salt water for long periods, the less expensive hot dipped galvanized can be used.

Abbreviations: DF = Douglas-fir, SP = Sitka spruce, MAH = mahogany, PW = plywood.

LUMBER:			
ITEM	MATERIAL	NO. PCS.	SIZE
Chine Log	Oak, MAH or SP	2	1" x 1-1/2" x 14'
Keel	Oak, MAH or SP	1	1" X 3" X 11'
Inner & Outer Sheer Clamp	Oak, MAH or SP	4	1" x 1-1/2" x 16'
Stem-Knee-Breasthook	DF	1	2" x 6" x 8'
Transom frame	Oak, MAH or SP	1	1" x 3" x 6'
Seats	MAH or 3/4" plywood	1	1" x 12" x 8'
PLYWOOD:			

ITEM	MATERIAL	NO. PCS.	SIZE
See Layout	DF PW-Ext or MAR AB	3	3/8" x 4' x 8'
<p>FASTENINGS: Screws are the flat head wood type with slotted or cross heads in bronze or hot-dipped galvanized steel.</p> <ul style="list-style-type: none"> • 3/4" #8 Screws - 1 gross • 1" #8 Screws - 3 gross • 1-1/4" #8 Screws - 1 gross • 1-1/2" #8 Screws - 8 dozen • 2" #10 Screws - 18 only <p>GLUE: Epoxy - 1 gallon</p>			