

Ke-Pau Bill of Materials

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION.

LUMBER: Almost any good grade of lumber is adaptable in this type of craft. The wood should be knot free (small solid ones are permissible), properly dried, and free of splits. Lumber designated as 1" is "four quarters" lumberyard stock, usually finished to $\frac{3}{4}$ " net thickness; 2" stock nets $1\frac{1}{2}$ ". All widths are NET and the noted lengths allow for cutting to fit. E.g: Lumber listed as 1" x $\frac{3}{4}$ " will be $\frac{3}{4}$ " x $\frac{3}{4}$ " net size; while that listed 1" x 1" would net $\frac{3}{4}$ " x 1". Both would preferably be ripped from standard 1" lumberyard stock. NOTE: The types of lumber listed are as used on the prototype; spruce for lightweight and mahogany for appearance. As stated in the prologue, other species can be substituted. Although the sizes are noted individually, it is best to rip and trim to the required sizes from wider boards. CHECK ALL SIZES TO THE WORK PRIOR TO CUTTING. Abbreviations used are: Mahog = mahogany, DF = Douglas-fir.

LUMBER:			
ITEM	MATERIAL	NO. PCS.	SIZE
#3 chine	Mahog	1	1" x 1 1/2" x 5' makes two
#3A curved chine, per pattern check length	Mahog	2	1" x 5" x 44" makes two
#4 sheer	Mahog	2	1" x 2" x 73"
#5 cap	Mahog	2	1" x 3" x 32"
#6 bearing base, per pattern	DF	2	2" x 1 1/4" x 15" makes two
#6A inner bearing base	Mahog	1	1" x 3" x 15" makes two
#7 knee, per pattern	Mahog	1	1" x 3" x 15" makes two
#8 battens	Mahog	2	1" x 1" x 28"
#10 paddle cleats	Mahog	12	1" x 3/4" x 6"

PLYWOOD: All plywood must be intended for marine or exterior use. Interior grades are NOT acceptable. The letters "A", "B", and "C" identifies the grade of the exterior veneer of plywood panels. The best face of all panels should be the one exposed. Any patches on lower grade veneers should be on the interior, especially on the forward bottom. Check the PLYWOOD LAYOUT on the Full Size Pattern sheet 1 of 1 and these instructions for utilizing the listed plywood to obtain the various parts. Abbreviations used are: DF = Douglas-fir; Mahog = Mahogany; PW = plywood; Ext = exterior.

ITEM	MATERIAL	NO. PCS.	SIZE
Ext. DF, AA or AB	1	1/4" x 4' x 8'	Per "PLYWOOD LAYOUT"

- GLUE: "POXY-SHEILD" Epoxy resin for gluing: 1 quart*
- SILICA: To thicken resin for gluing, making fillets, and filling screw holes: 1 lb.*
- "POXY SHIELD" Epoxy resin with slow hardener for encapsulation, (Optional): ½ gallon
- FASTENERS: For basic hull
 - SCREWS: refers to flat head wood type bronze.
 - 3/4" #8 screws = 5 dozen*
 - 1 1/2" screws = 1 dozen*
 - 2" #10 screws = 6 only*
 - NAILS: refers to ring type bronze boat nails
 - 3/4" #14 nails = 1/2 lb.*

*These items included in the KE-PAU Fastening Kit