

# Jimbo-Aluminum Bill of Materials

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION.

The following is an estimate of the aluminum required to build JIMBO. See the Guide for aluminum alloy recommendations. The square footage of aluminum plate (the term sheet and plate have been used interchangeably in these plans and instructions) will vary depending on the size, primarily width, of aluminum available. Our estimates give the actual square footage of material required. Obviously, more will be needed as most of the parts are curved and waste is inevitable. Some figure a 15% overage, however, scaled layouts are easy to make and will save the builder money. The side and bottom dimensional layouts are to 1" = 1' 0" scale. Make scale paper duplicates of these and other members to be sawn from sheet stock and a scaled drawing of the width and length of the aluminum available. Arrange the paper parts on the simulated aluminum so wastage is minimal. Lengths of extruded members noted allow for cutting to size from the work and should be grouped and standard aluminum lengths purchased rather than custom cut stock. Check all sizes to the work BEFORE ordering any material.

*Note: (#) refers to parts shown on Det. "A" in these instructions. Lin. ft. refers to linear feet and sq. ft. to square feet.*

ITEM	MATERIAL	QUANTITY or SIZE
Bottom	3/16" plate	64 sq. ft.
Transom (#1)	3/16" plate	10 sq. ft.
Bow	3/16" plate	6 sq. ft.
Doubler on transom exterior (#2)	3/16" plate	12" x 18"

Motorwell sides (#5)	3/16" plate	24" x 60"
Knee (#6)	3/16" plate	18" x 36"
Motor clamp doublers (#8)	3/16" plate	6" x 34" (makes 4)
Motor clamp area (#10)	3/16" plate	6" x 34"
Cutout cap (#12)	3/16" plate/FB	2 3/16" + or - x 34"
Transom gusset (#11)	3/16" plate	6"x 8"
Deck beam	3/16" plate	5" + or - x 60"
Sides	1/8" plate	60 sq. ft.
Longi uprights & side deck beams	1/8" plate	6 sq. ft.
Motorwell bottom (#7)	1/8" plate	36" x 36"
Deck	1/8" plate	23 sq. ft.
Keel, transom gusset & bow vertical	1" x 2" x 1/8" chan.	19 lin. ft.
Bottom longi (#4)	1 1/4" x 3/16" FB	54 lin. ft.

Strongback and deck supports	1 1/4" x 3/16" FB	6 lin. ft.
Hull side sole supports	1 1/4" x 3/16" FB	26 lin. ft.
Transom verticals (#3)	1 5/8" x 3/16" FB*	6 lin. ft. (makes 5)
Horizontal transom brace (#9)	1 5/8" x 3/16" FB*	3 lin.ft.
Longi caps	1" x 1" x 1/8" angle	38 lin. ft.
Chine	2" x 2" x 1/8" angle	29 lin. ft.
Athwartship sole supports	1" x 1" x 1/8" angle	30 lin. ft.
Sheer & across bow & transom	1 1/4" Sched 40 alum pipe	40 lin. ft.
Coaming and motorwell	1" Sched 40 alum pipe	40 lin. ft.
* Width may vary, see instructions: may be cut from plate.		