

Tuffy Bill of Materials

DO NOT PURCHASE ANY MATERIAL UNTIL YOU READ THIS SECTION.

LUMBER: All lumber listed as 1" is "Four quarters" stock finished as full as possible. This will generally result in lumber 3/4" to 7/8" thick. All thicknesses under 1" are to be considered net *as are all widths*. All lengths allow stock for trimming to fit. We suggest grouping widths and lengths and re-sawing to size if a circular saw is available. This will result in a considerable savings on the lumber. ALL PLYWOOD must be an Exterior type. Grades of plywood are noted. All plywood 1/4" or 3/8" thick is to be three ply. All thicker plywood to be a minimum of five ply.

CHECK ALL SIZES TO THE WORK PRIOR TO CUTTING.

Abbreviations used are: Mahog = mahogany, Sp = spruce, DF = Douglas-fir, PW = plywood, EXT = exterior.

ITEM	MATERIAL	NO. PCS.	SIZE
LUMBER:			
Transom, Frames 1,2,3	Mahog, Sp, Oak	25 bd. ft.	1-inch thick random widths & lengths
Keel	Mahog, Sp, Oak	1	1" x 4" x 9'6"
Battens	Mahog, Sp, Oak	2	1" x 3" x 7'6"
Battens	Mahog, Sp, Oak	2	1" x 3" x 8'6"
Battens	Mahog, Sp, Oak	2	1" x 3" x 9'6"

Chine log	Mahog, Sp, Oak	2	1" x 2" x 14'
Sheer Clamp	Mahog, Sp, Oak	4	1" x 5/8" x 14'
Skeg or Fin	Mahog, Sp or Oak	1	1" x 2" x 8'
Carling	Mahog, Sp or Oak	1 (makes 2)	1" x 9" x 9'
Intermediate Deck Beam	Mahog, Sp or Oak	1	1" x 5" x 4'6"
Blocking for Beam	Any scrap lumber	1 (makes 2)	1" x 3" x 8"
Strongback	Mahog, Sp or Oak	1	1" x 2" x 4'
Deck Battens	Mahog, Sp or Oak	1 (makes 2)	1" x 2" x 7'6"
Motor Well Beam	Mahog, Sp or Oak	1	1" x 4" x 4'
Motor Well Cleats	Mahog, Sp or Oak	2	1" x 1" x 1'6"
Coamings	Mahog, Sp or Oak	2	1" x 5" x 6'

Dash Beam	Mahog, Sp or Oak	1	1" x 5" x 5'
Cowl Beadings	Mahog, Sp or Oak	2	1" x 1" x 5'
Athwartship motor brace	DF	Bldg. Form Scrap	2" x 4" x 2' 8"
Seat Uprights	See Layout	See text	
Seat Cleats	Mahog, Sp or Oak	8	1" x 1" x 1'6"
Seat Spreaders	Mahog, Sp or Oak	2	1" x 2" x 1'6"
Walk Through Spreader	Mahog, Sp or Oak	1	1" x 4" x 1'6"
Spray Rails (optional)	Mahog, Sp or Oak	2	1" x 1" x 8'
PLYWOOD:			
Stem, Breasthook, Transom, Chine blocking, & Transom knee	PW, DF, EXT AB	1	3/4" x 4' x 6'
*Bottom Planking, Motor Well Bottom	PW, DF, EXT AB	1	1/4" x 5' x 12'

*Side Planking	PW, DF, EXT AB	1	1/4" x 4' x 14'
Forward Deck, Side Deck, Cowl Covering, Seat Longitudinals	PW, DF, Ext AB	2	1/4" x 4' x 8'
Butt Blocks	scraps 3/8" PW, DF, EXT AB		
Motor Well Sides, Seat Bottoms, & Seat Backs	PW, DF, EXT AB	1	3/8" x 4' x 8'

**Note: Can substitute 4 sheets of 1/4" x 4' x 8' plywood for bottom & side planking, & motor well bottom. Layout not shown on plans.*

FASTENINGS: Bronze or Hot dipped galvanized

- SCREWS: Flat head wood type
- 3/4"#8 - 5 gross
- 1" #8 -1 gross
- 1 1/2" #8 -1 gross
- 2"#10 -1 gross
- 3"#14 -6 only

- NAILS: Annular ring type - Bronze or Monel
- 1"#12 -3 lbs.
- 1 1/4"#12 -1/2 lb.

- CARRIAGE BOLTS: Bronze or Hot dipped galvanized with nuts and washers
- 1/4" x 5" -5 required

GLUE: EPOXY, rescorcinol, Plastic resin glue: 1 gallon or 4.5 lbs.