

TNT Bill of Materials

The following list of materials is intended to be a general guide only. Before ordering any materials, the text and plans should be checked for possible options. All lumber listed as 1" stock is to be standard "lumberyard four-quarter" material which when finished may vary to somewhat less or slightly more than 3/4" in thickness. All widths are NET and all lengths allow for cutting to fit. All lumber used should be first grade free from shakes and knots. Although oak (white oak), spruce (Sitka variety) and mahogany (dark red Philippine type) are called out in the listing, lumber typical to the locale and of similar types and weights may be substituted. All plywood is to be marine or exterior grade. The marine-type is preferable as the inner cores are solid and thus the panel has more structural integrity. Douglas-fir is satisfactory with the quality of the exposed faces of the veneer being designated by the letters "A" or "B". The "AA" grade panels are always preferable, however, "AB" grade is acceptable. All plywood should be a minimum of three plies. All fastenings should be bronze or hot dipped galvanized ferrous metal. Brass fastenings are not advised nor are the electroplated screws commonly sold in hardware stores. All screws are to be of the flat head type intended for wood. All nails are of the ring-type nail common to boat construction. Unless otherwise specified, all wood-to-wood joints are to be glued with a waterproof or highly water resistant glue.

CHECK ALL SIZES TO THE WORK PRIOR TO CUTTING. Abbreviations used are: Mahog = mahogany; Sp = spruce; DF = Douglas-fir; PW=plywood; Ext=exterior; MAR=marine.

ITEM	MATERIAL	NO. PCS.	SIZE
LUMBER:			
*Frames	Oak, Mahog or Spruce	See pattern sheet	
Keel	Mahog or Sp	1	1" x 3" x 9'
Chine Log	Mahog or Sp	2	1" x 1-3/4" x 12'

Sheer Clamp	Mahog or Sp	4	1/2" x 1-1/4" x 12'
Bottom Battens	Mahog or Sp	2	1" x 3" x 9'
Bottom Battens	Mahog or Sp	2	1" x 3" x 8'
Carlings	Mahog or Sp	2	1/2" x 3" x 9'
Coamings	Mahog	2	1/2" x 6" x 9'
Strongback	Mahog or Sp	1	1/2" x 2" x 6'
Intermediate Deck Beam	Mahog or Sp	1	1/2" x 2-1/2" x 4'
Blocking	Scrap material - as required		
PLYWOOD:			
**Side Planking & Side Decks	DF MAR AA or AB	1	1/4" x 4' x 12'
**Bottom Planking	DF MAR AA or AB	1	1/4" x 4' x 12'
Fore Decking	DF or Mahog EXT AB	1	1/4" x 4' x 6'
*Gussets & knee	DF Ext AB	1	1/4" x 2' x 4'

*Stem, Transom & Breasthook	DF Ext AB	1	3/4" x 4' x 6'
Motor Well	Scrap from Bottom Planking		

* Not required when purchasing the Frame Kit.

**4' x 8' sheets can be substituted for longer sheets in all cases. Adjust quantities accordingly.

FASTENINGS:

- Screws: Flathead wood type, bronze or hot dipped galvanized
- 3/4" #8 - 4 gross
- 1" #8 - 1 gross
- 1-1/4" #8 - 4 dozen
- 1-1/2" #8 - 1 gross
- 2" #10 - 8 only
- Nails: Ring type boat nails, bronze or Monel
- 3/4" #14 -1 pound
- 1" #12 = 1 pound
- 1-1/4" #12 - 1/2 pound
- Bolts: Carriage with nuts and washers
- Deck beam at #3 - 1/4" x 2" - 2 required
- Keel to Stem - 1/4" x 3-1/2" - 2 required

Glue: Epoxy - 1/2 gallon