

Andante Bill of Materials

The following is a general listing of the primary steel members required to build the vessel, including their description, sizes, lengths, and/or square footage. This listing is to serve as a general guide only, and is not meant to be all-inclusive. Hence, the builder should not use this listing to purchase materials without checking to the plans first to verify sizes and options. In all cases, the builder should check local sources in order to determine stock sizes of materials that may be available. How the members are obtained from the stock and the manner in which the material is utilized will vary to suit stock sizes of materials available in the locale where the boat will be built. This is why many members are listed by square footage. In other cases, members may be obtainable from flat bar, plate, or sheet material; it makes little difference in steel construction. Also, square footage or lineal footage may be given for contoured members which are cut to shape from plate or sheet stock, or could optionally be formed or bent from flat bar stock. Sizes and areas of materials generally include a factor for overage so that minor members not specifically noted can be obtained from scrap material.

ITEM	SIZE	AMOUNT RQD.
Frame members	1/4" plate	100 sq. ft.
Collision bulkhead & aft web	3/16" plate	30 sq. ft.
Stem & aft keel bar	3/8" plate	22 sq. ft.
Skeg	5/8" plate	34 sq. ft.
Rudder shaft	2" dia. rod	5 lin. ft.
Rudder plating	10 Ga.	12 sq. ft.
Shaft tube	3-1/4" O.D. 5/16" wall	9 lin. ft.
Stiffeners	3/16" x 2"	800 lin. ft.
Chine bars	1/2" rd. bar	44 lin. ft.
Engine girders	1/4" plate	20 sq. ft.
Engine bearers	1/2" x 3" flat bar or plate	18 lin. ft.
Bottom plating	3/16" plate	390 sq. ft.
Side & transom plating	10 Ga.	525 sq. ft.
Fore & side decks	10 Ga.	120 sq. ft.
Carlings	3/16" x 3" flat bar	90 lin. ft.
Cabin structure	10 Ga.	200 sq. ft.
Tanks	11 Ga.	240 sq. ft.
Bulkhead, tank & deck stiffeners	3/16" x 1-1/2" flat bar	100 lin. ft.