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dimensions. Rudder may be faired, but strictly in accordance with limitations, specific or implied, imposed by dimensions and pattern on plan.

- b. Skeg - to be oak or mahogany, as per plan, well fastened to keel, not less than 3/4" thick. Maximum depth at the after end shall not exceed 5" below waterline on plan. Length of skeg along bottom shall be 2'2", and bottom of skeg shall be a straight line. May be faired not more than 2" in from after and bottom edges.
 - c. Tiller - of ash as shown on plans. Option: tillers longer than 47" shown on plan, with or without hiking sticks, may be installed, if desired, and strengthening members may be added.
20. **SAILS.** Cotton or synthetic woven fabric only permitted. Cotton to be not less than 4 ounces per yard of 28-1/2" width, and synthetic not less than 2.6 ounces per yard of 28-1/2" width, except spinnaker. No sails other than standard size jib, mainsail and spinnaker allowed. Loose footed mainsails, jib booms or part length clubs, double luff mainsails and perforated sails other than reef points or accidental are barred. Racing number and emblem, height of each to be not less than 9-1/2", must be of design shown on sail plan, attached to each side of mainsail. Sails may be reefed at foot only, as shown on plans. Roach reefs are barred. Jib and mainsail shall be stretched hand tight when measuring. Under no circumstances will any sail be measured which shows evidence of having been temporarily shrunk by heating or other methods, nor is any sail, having been measured and rejected, to be remeasured unless evidence exists of recutting, resewing, or other permanent alteration.
- a. **Battens** - number and position to be as shown on sail plan. Three in mainsail, upper and lower to measure 12" and 16" respectively, middle to measure 18". Battens in jib are not allowed.
 - b. **Mainsail** - Shall measure no more than 15'10" along the luff, 17'3" along the leech, and 7'11" along the foot. A tolerance of minus 4" is allowed in these dimensions. (Note restrictive dimension paragraph 16b, length of boom.) Corner to corner dimensions of the mainsail shall include the bolt rope and shall be measured in a straight line, as follows:

Luff length between the highest point of the headboard, or sail material if no headboard, including bolt rope if any, and the lowest point of the sail at the tack, including bolt rope if any.

Foot length between the most forward point of the sail directly ahead of the tack, including bolt rope if any, and the aftermost point of the sail, including bolt rope if any.

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Leech length between the lowest point of the sail directly under the clew, including bolt rope if any, and the highest point of the headboard, or sail material if no headboard, including bolt rope if any.

The draft and luff and leech roaches of mainsail to be controlled by measurement taken from midpoint of luff to midpoint of leech, said measurement not to exceed 4'10-1/2". Cross measurement of the mainsail shall include the bolt rope. This measurement shall be obtained in the following manner:

The luff mid-point shall be determined by folding the sail upon itself, with the topmost edge of the headboard, including the bolt rope if any, even with the lowermost edge of the sail material at the tack, including bolt rope if any. The leech mid-point shall be determined in similar fashion, with the headboard folded down to the clew.

All sail measurements shall be made with the sail on a flat surface, with or without battens.

Headboard of mainsail - the width of the mainsail headboard perpendicular to the luff shall not exceed four inches (4").

- c. Jib - shall measure no more than 12'2-1/2" along the luff, 10'1" along the leech, and 5'3" along the foot. The jib luff wire, if any, shall not exceed 12'3-1/2" in length between the inner ends of thimbles, grommets, rings or similar devices. A tolerance of minus 4" is allowed in these dimensions. Foot Roach not to exceed 3-1/4", no tolerance.

Corner to corner dimensions of the jib shall be measured in a straight line as follows:

Luff length between the highest point of the sail material, including bolt rope, if any, at the head and the lowest point of the sail material, including bolt rope if any, at the tack.

Foot length between the most forward point of the sail material, including bolt rope if any, at the tack and the aftermost point of the sail material at the clew, including bolt rope if any.

Leech length between the lowest point of the sail material directly under the clew, including bolt rope if any, and the highest point of the sail material, including bolt rope if any, at the head.

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Cross measurement of jib - this shall be determined by the same method used in measuring cross point of mainsail, and this measurement shall not exceed 2'8" in a straight line, including bolt rope, if any.

- d. Spinnaker - weight to be no less than 1.2 ounces per yard of 28-1/2" width. Luff and leech to measure 13.75 feet. Foot to measure 8.2 feet. Tolerances as described below.

Measuring - Measurement of spinnaker to be made by folding sail in half, luff to leech, clew to clew, and the following dimensions found as described:

Measurement C, 3'3-5/8", plus or minus 2", taken between two points found as follows:

A, from under side of swivel, 3'6" down luff and leech. No tolerance allowed in this dimension.

B, from under side of swivel, 4'1-1/4" down opposite side of sail as folded. No tolerance allowed in this dimension.

Measurement Z, 4'9", plus or minus 2", taken between two points found as follows:

X, from under side of swivel, 6'10-7/8" down luff and leech. No tolerance allowed in this dimension.

Y, from under side of swivel, 7'6" down opposite side of sail as folded. No tolerance allowed in this dimension.

Measurement F, 4'1-1/4", plus or minus 2", taken between two points found as follows:

D, from under side of swivel, 13'9", plus or minus 4", down luff and leech to clew.

L, from under side of swivel, 13'10", plus or minus 4", down opposite side of sail as folded to foot.

Each line of measurement (except L) to be pulled as free of wrinkles as possible while that dimension is being measured. All three measurements of each of the triangles A-B-C, X-Y-Z and D-L-F, respectively, to be taken simultaneously and without regard for position of rest of sail. All nine measurements to be taken without intervening opportunity for the stretching or shrinking of any dimension, and in a straight line, not measuring around contour.

21. FITTINGS. The actual pattern of fittings is optional. However, they must equal and serve the purpose of those indicated on the plans.

SPINNAKER MEASUREMENTS

