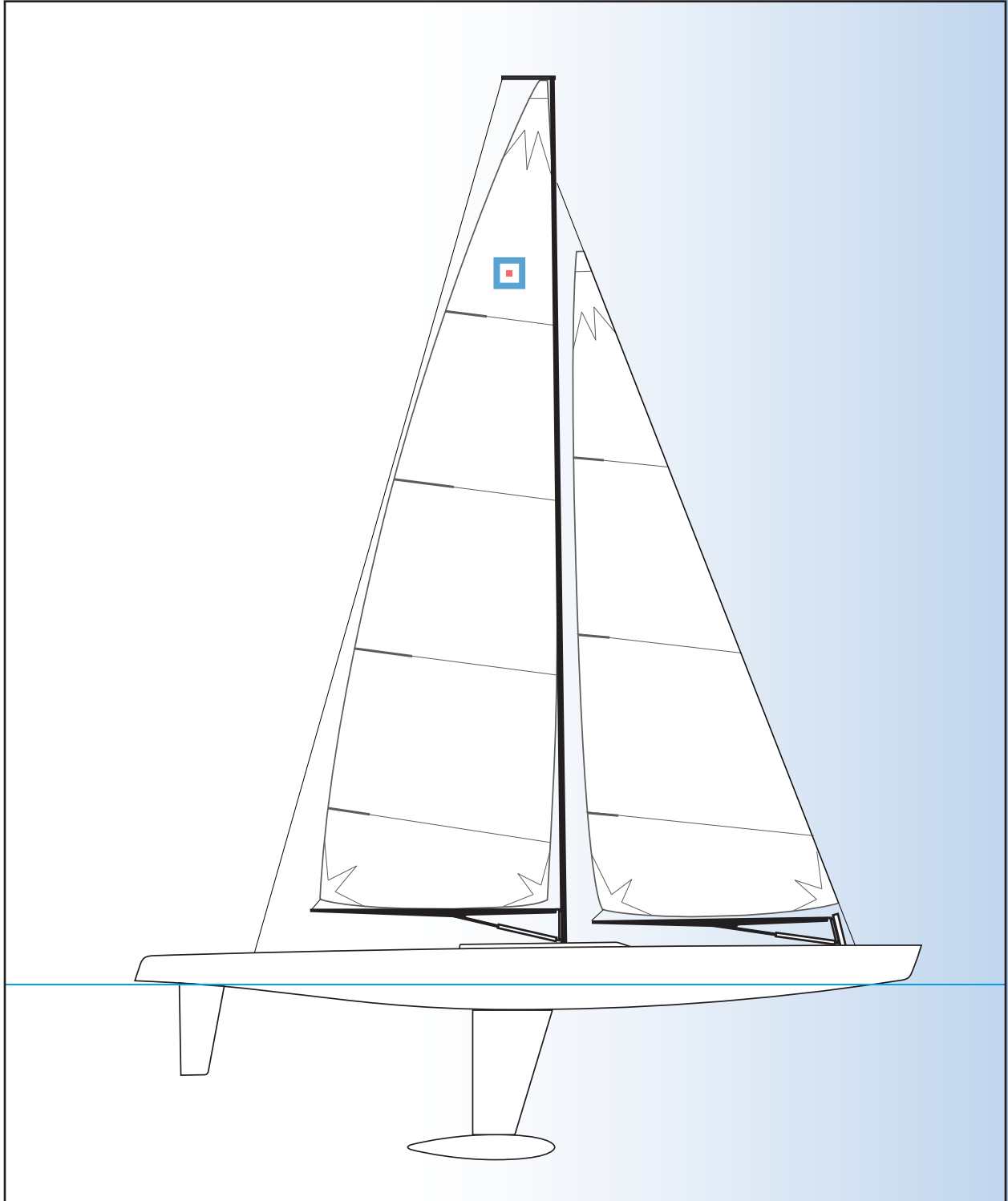




WHEELER

79" RC Maxi Ocean Racer





WHEELER CLASS RULES (revised 4/30/2012)

Wheeler One Design

1.0 GENERAL:

- 1.1 The objective of the Wheeler class is to provide advanced high performance sailing and competitive one design racing that is strict in its hull configuration, while allowing the skipper some latitude in the rigging of the yacht.
- 1.2 The class shall consist of Wheeler One Design Yachts produced in kit form with plans and specifications in these class rules by the original or licensed manufacturer.
 - 1.2.1 Interpretation of specifications - At all times the basic principal of these rules together with the construction plans is to maintain the Wheeler as a one-design class.

2.0 STANDARDS:

- 2.1 The plans and specifications as supplied in the kit shall be considered as setting forth the official standards with respect to hull, spars, ballast etc. related to the complete configuration of the yacht. Construction of a Wheeler from these plans and specifications using the hull and other materials supplied by the manufacturer shall constitute compliance with these standards.

3.0 HULL:

- 3.1 Shape and profile to conform to the Wheeler master mold.

3. 1.1 Length overall:	79"
Beam:	15"
Length at Water Line:	65"

4.0 DECK:

- 4.1 The deck, hatch system and overall appearance may not be changed except for painting, necessary emergency repairs and changes made by the licensed manufacturer to improve the boat. Placement or type of hardware on the deck is optional.

5.0 KEEL/BULB:

- 5.1 Must conform to the control drawing

6.0 RUDDER:

- 6.1 No larger than the profile shown on the control drawing and no smaller than 1/8" in any direction. The stock rudder provided with the kit if prepared according to the instructions will easily meet these requirements. Thickness of the rudder foil and shape shall not be modified from stock.
- 6.2 Location of rudder must conform to the control drawing.

7.0 MAST:

- 7.1 Length shall not exceed 87 1/2" (Including Mast Crane), measured from the deck.
- 7.2 If Mast is stepped on deck, Mast Step shall not elevate mast more than 1/8".
- 7.3 Material shall be optional, cross section shall measure no larger than 3/4" or smaller than 1/4".
- 7.4 Standing rigging material and placement is optional.
- 7.5 Mast must be non-rotating.



WHEELER CLASS RULES (revised 4/30/2012)

Wheeler One Design

8.0 MAIN BOOM & JIB CLUB & VANG:

- 8.1 Material for the Main Boom & Jib Club is optional, cross section shall measure no more than 1" or less than 1/4".
- 8.2 Length is optional.
- 8.3 The top of both Main Boom & Jib Club must be straight with no curvature built in.
- 8.4 Vangs may be used on both the Main Boom and Jib Club, but must be positioned under the Main Boom and/or Jib Club.

9.0 SAILS:

- 9.1 Shall only be constructed of polyester material, Mylar or Trispi.
 - 9.1.1 Corner reinforcing shall be no more than five layers of a polyester material, Mylar or Trispi
- 9.2 Measurements & configuration shall be in accordance with the Sail Plan.

10.0 R/C EQUIPMENT:

- 10.1 Remote control equipment is unlimited.

11.0 DISPLACEMENT:

- 11.1 30 lb minimum, complete sailing weight.

12.0 CERTIFICATION:

- 12.1 Upon completing the build of a new Wheeler, or re-building a used Wheeler, the Wheeler must be certified by an official Wheeler Class Measurer. The Wheeler Class Secretary shall appoint official Wheeler Class Measurers. A **Wheeler One-Design Certificate** will then be issued to the Wheeler owner and retained on file by the Wheeler Class Secretary.
- 12.2 The **Wheeler One-Design Certificate** will remain valid until the Wheeler changes ownership, or there are changes made to the yacht that may effect the current **Wheeler One-Design Certificate**. Such changes may include different sails, addition or deletion of weight, or different spars.
- 12.3 The **Wheeler One-Design Certificate** shall be considered a valid measurement certificate for all regattas.

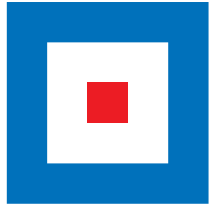
13.0 LICENSING OF MANUFACTURE:

- 13.1 For a Wheeler to be eligible to compete, a licensed builder must manufacture hull, deck, rudder and keel. The hull must have an approved Manufacturer's label laminated into the hull.

14.0 ADVERTISING ON SAILS, BOOM, HULL

- 14.1 Advertising logos may be placed on the sails, boom or hull. Logos may not be larger than 1" in height.

End.



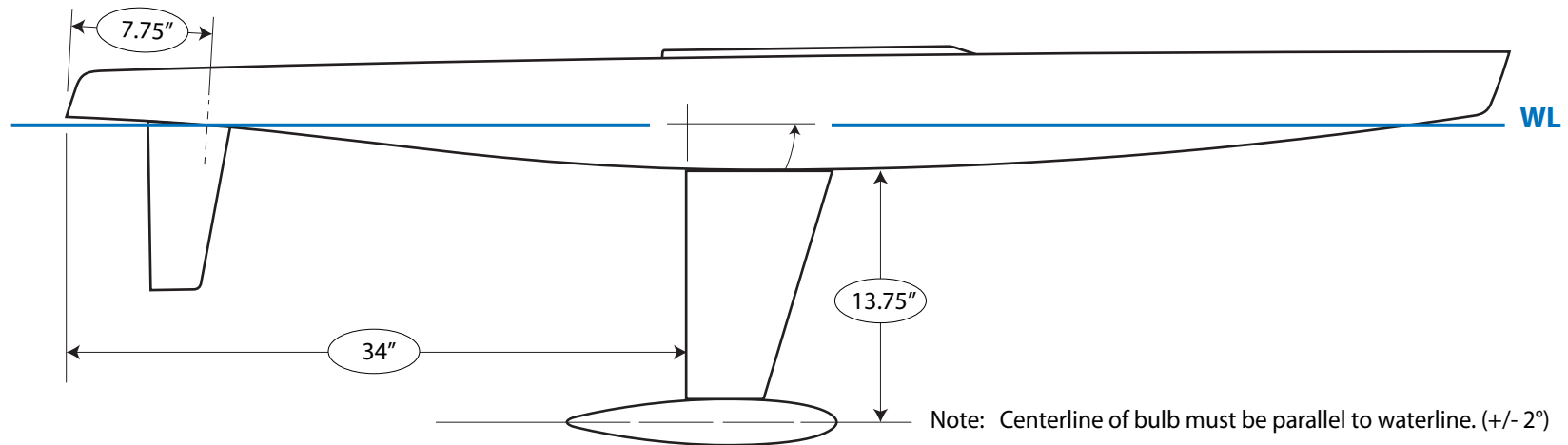
WHEELER HULL

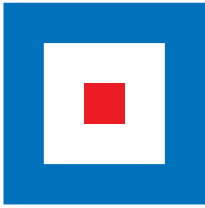
Control Drawing

Revised 04/30/2012

Hull Specifications

Length Overall: 79.0"
Waterline Length: 65.0"
Beam: 15.0"
Minimum Displacement: 30 lb





WHEELER SAIL PLAN

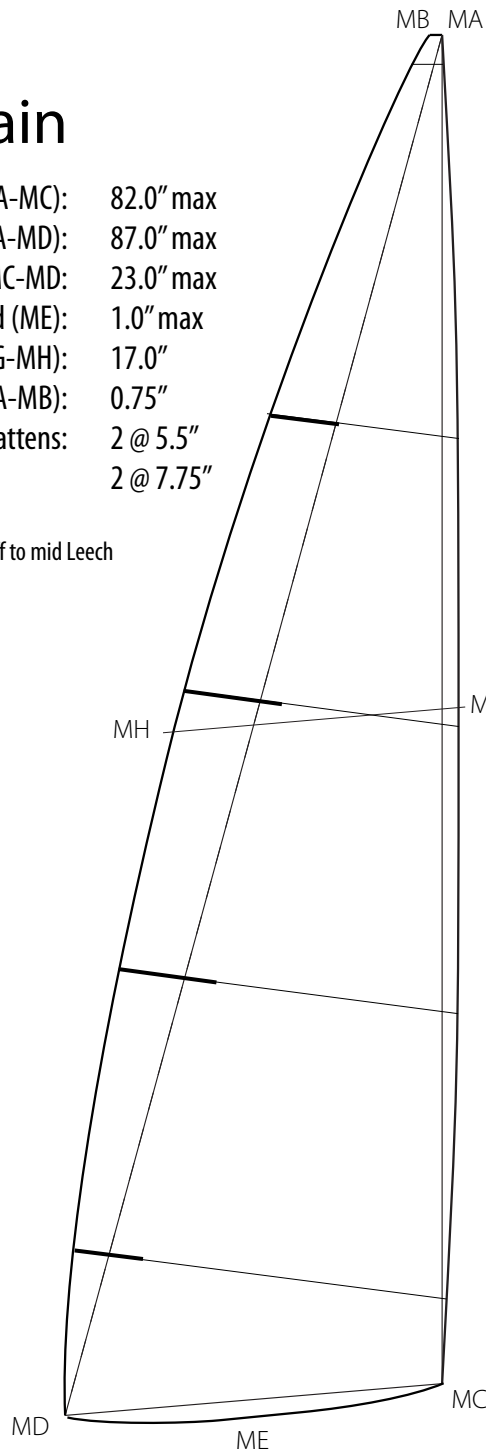
Control Drawing

Revised 04/30/2012

Main

Luff (MA-MC):	82.0" max
Leech (MA-MD):	87.0" max
Foot (MC-MD):	23.0" max
Foot Round (ME):	1.0" max
Mid Girth* (MG-MH):	17.0"
Headboard (MA-MB):	0.75"
Battens:	2 @ 5.5" 2 @ 7.75"

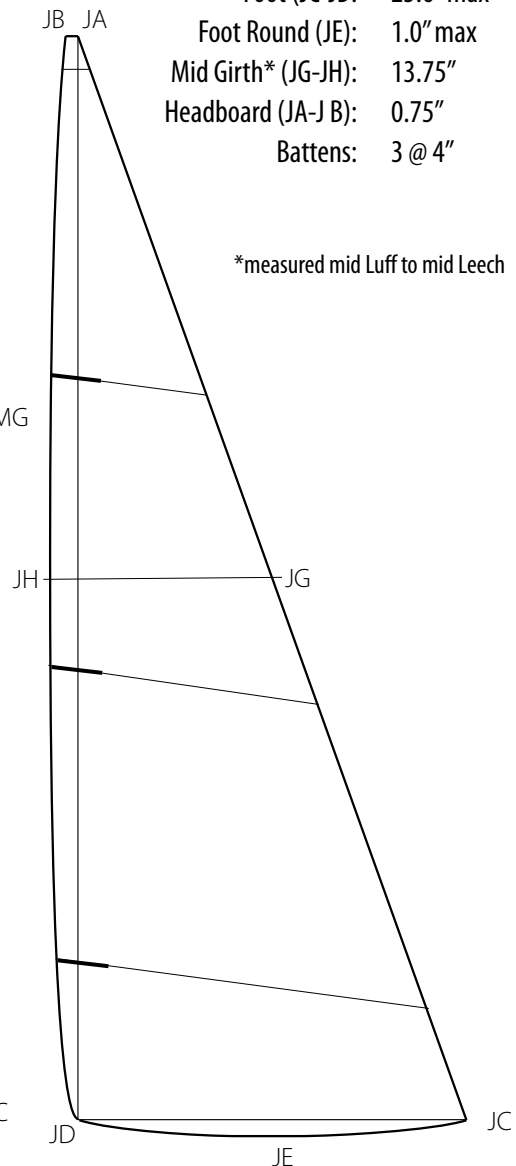
*measured mid Luff to mid Leech

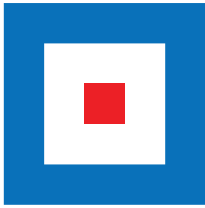


Jib

Luff (JA-JC):	70.0" max
Leech (JA-JD):	66.75" max
Foot (JC-JD):	23.6" max
Foot Round (JE):	1.0" max
Mid Girth* (JG-JH):	13.75"
Headboard (JA-JB):	0.75"
Battens:	3 @ 4"

*measured mid Luff to mid Leech

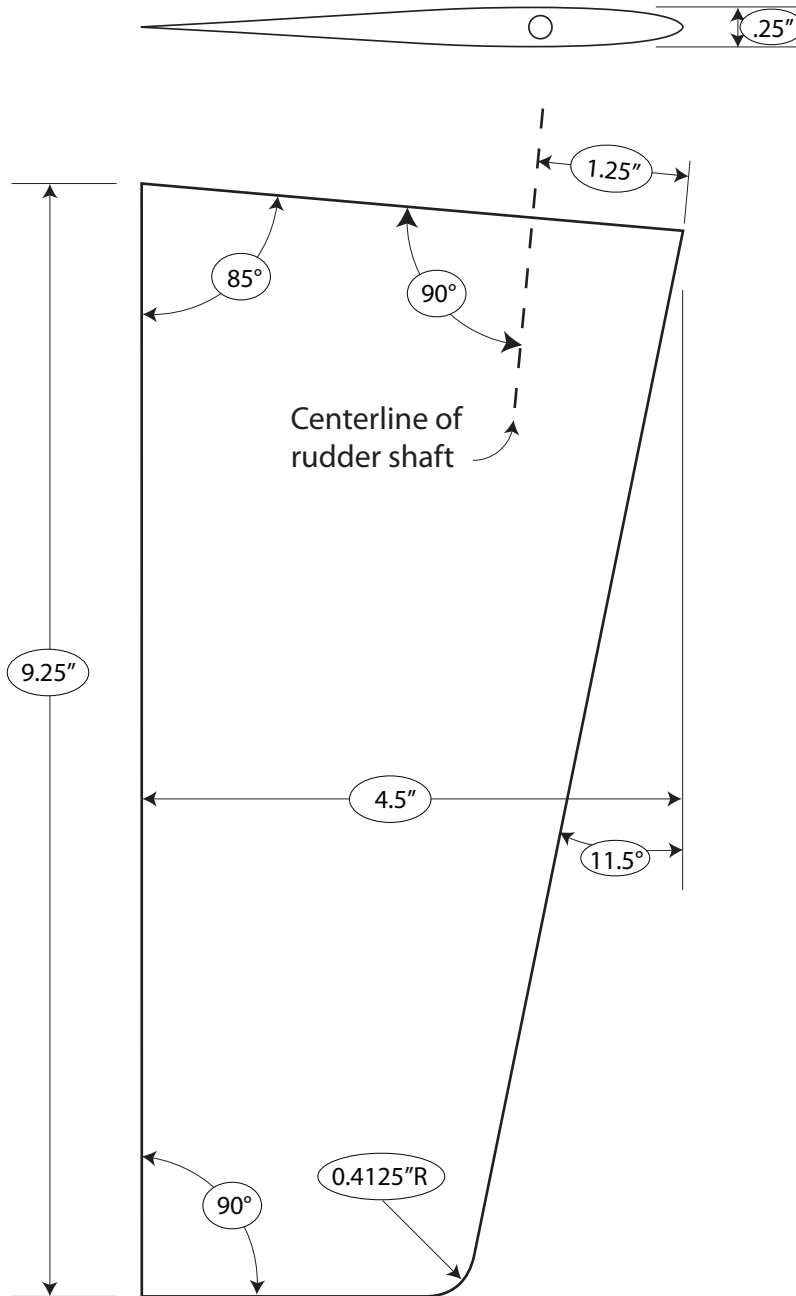


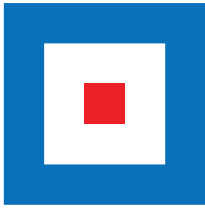


WHEELER RUDDER

Control Drawing

Revised 04/30/2012





WHEELER KEEL

Control Drawing

Revised 04/30/2012

Specifications:

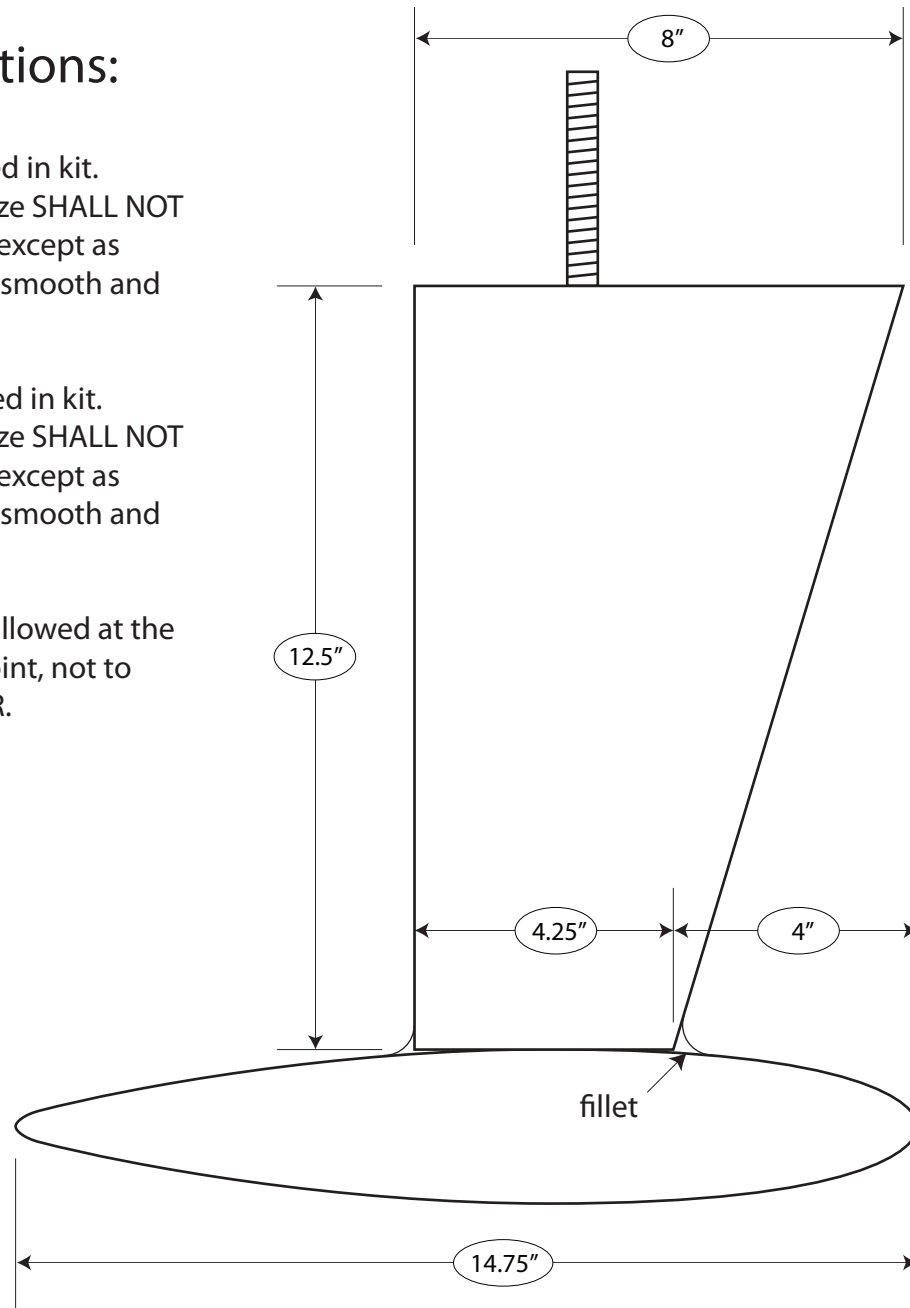
Keel as provided in kit.

Shape and size SHALL NOT be modified except as necessary to smooth and paint.

Bulb as provided in kit.

Shape and size SHALL NOT be modified except as necessary to smooth and paint.

A fillet will be allowed at the Keel / Bulb joint, not to exceed 1/2" R.





Wheeler One-Design Certificate

Revised 04/30/2012

Specification

Hull

Hull was manufactured by an approved manufacturer, has the appropriate manufacturer label laminated into hull, and has not been modified in shape or profile. (circle one) Yes | No

Beam 15" (circle one) Yes | No

Keel/Bulb

Manufactured by an approved manufacturer and conforms to class rules. (circle one) Yes | No

Rudder

Location and shape conforms to class rules. (circle one) Yes | No

Deck

Manufactured by an approved manufacturer and conforms to class rules. (circle one) Yes | No

Mast

Height from deck (including mast crane) $\leq 87.5"$ (circle one) Yes | No

Maximum cross section $\leq 0.75"$ (circle one) Yes | No

Minimum cross section $\geq 0.25"$ (circle one) Yes | No

Non Rotating Mast (circle one) Yes | No

Main Boom/Jib Club

Cross section measures between 0.25" and 1" (circle one) Yes | No

Sails

Sail Number: _____

Sail Material: (circle one or more) Mylar TriSpi Polyester

Sail Measurements: Both Main and Jib conform to all measurements listed below (circle one) Yes | No

Main

Luff 82" max

Leech 87" max

Foot 23" max

Foot round 1" max

Mid girth 17"

Battens 2 @ 5.5" long

2 @ 7.75" long

Headboard 0.75"

Jib

Luff 70" max

Leech 66.75" max

Foot 23.6" max

Foot round 1" max

Mid girth 13.75"

Battens 3 @ 4" long

Headboard 0.75"

Displacement

30 lb minimum (circle one) Yes | No

Official Class Measurer _____
(print)

_____ Date _____
(signature)

Owner _____
(print)

_____ Date _____
(signature)