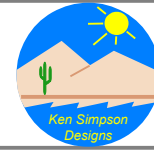


SPONSONS – 3 Foot

A Simple Box Structure That Adds Righting Buoyancy To A Small Displacement Hull.

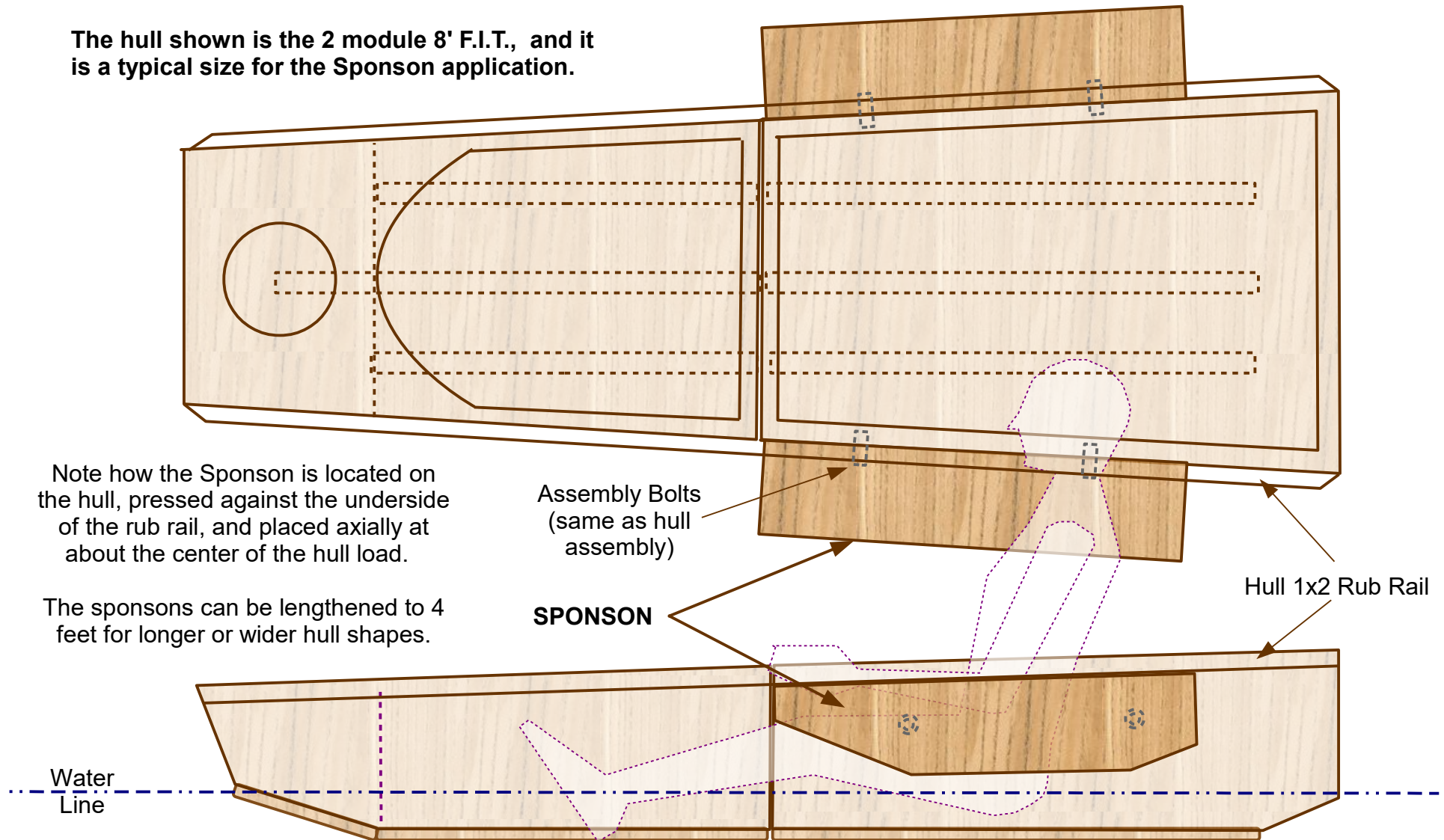


Drawn 01-20-2015

Rev. 01-15-2017

Print in Landscape Mode with ¼ inch borders.

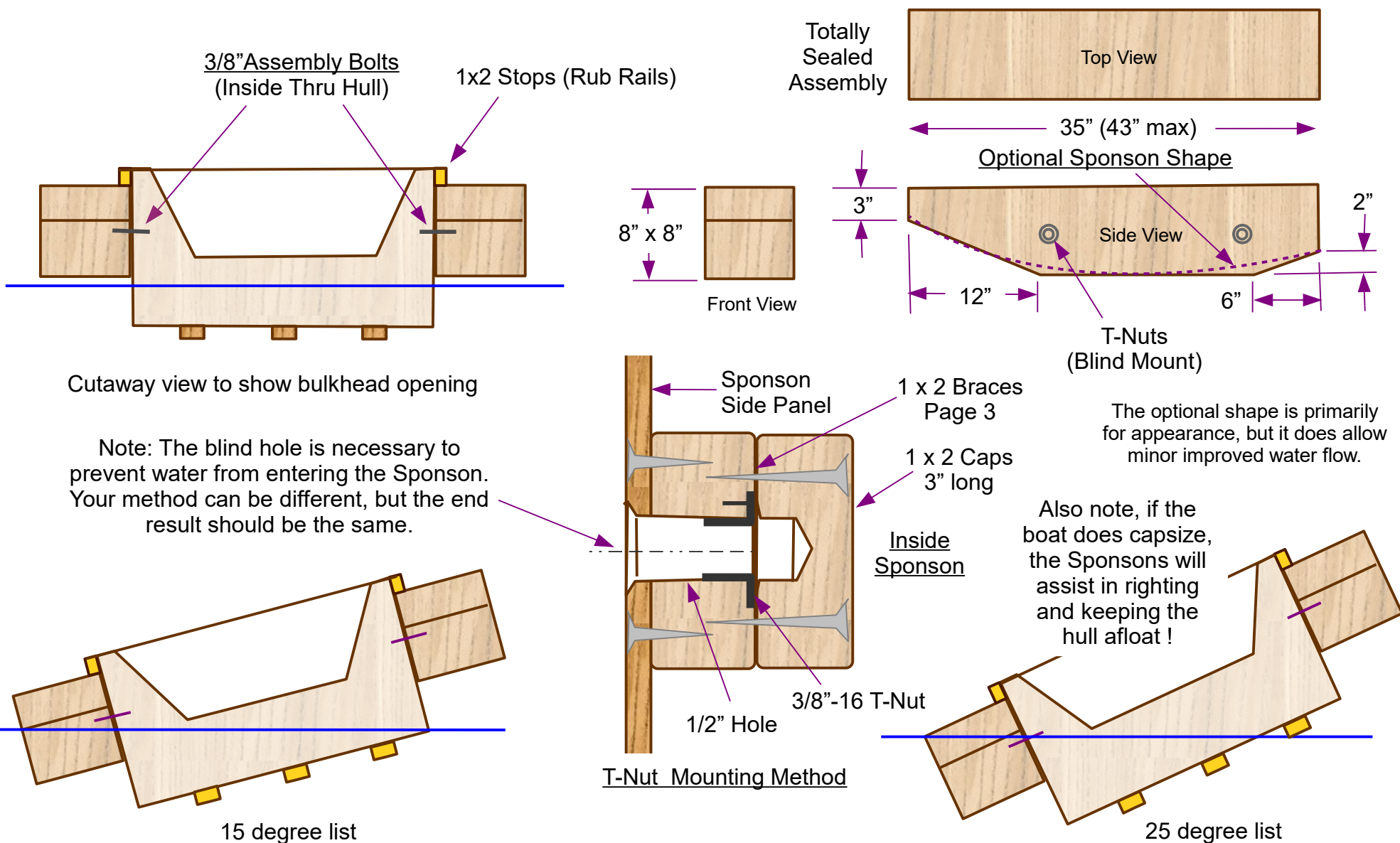
The hull shown is the 2 module 8' F.I.T., and it is a typical size for the Sponson application.



When the sponsons are not fastened to the boat, seal the four hull mounting holes to prevent water intrusion. This can be done either with a short piece of waterproof duct tape on the outside of each hole, or thin plastic washers bolted on place.

SPONSONS – 3 Foot

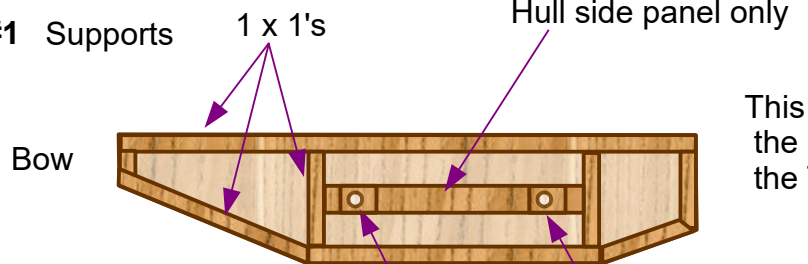
The Sponsons are designed as an add-on to the hull, providing righting buoyancy when sailing in heavy winds. Each sponson can contribute up to an additional 75 pounds of buoyancy. And, in conjunction with the multiple skids (bottom rails), it should be unnecessary to add leeboards to the side of the hull for directional control and stability. Sponsons should be located so they balance the load of the hull, centered to full aft. Further, the sponsons can also be used in non-sailing conditions, for greater load capacity, such as a heavier occupant, or additional sports gear. The choice is yours. The construction of the Sponson is similar to that of the Hull Modules; 5 MM plywood, 1x1 stringers, the T&G Process, and well waterproofed, inside and out.



SPONSONS – 3 Foot

Assembly Steps

#1 Supports



This step includes the placement of the T-Nuts, 2 per sponson.

Remember, there is a Port and Starboard side Sponson.

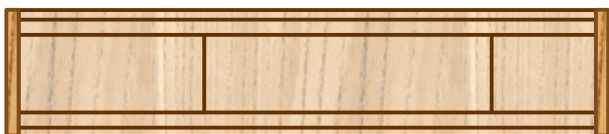
#2 Bottom Panel



Top View

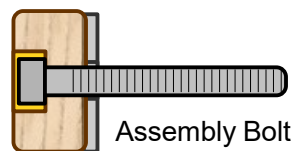
Top and bottom 1x1 cross bracing is recommended.

#3 End Panels (Bow & Transom)



Top View

Glue and staple all panels in place. Sand and round all edges.



#4 Waterproof the Entire Inside of Sponson.

#5 Top Panel - Waterproof inside of top panel, then assemble.



Side View

Protect the T-Nut holes (insert temporary bolts)

Align, mark and drill 3/8" bolt holes in the hull sides, after step #1 above. Be sure to include loose top piece for proper fit..

#6 Apply T&G to all seams and edges. Waterproof entire outside of Sponson. Finish in a waterproof paint or varnish.

