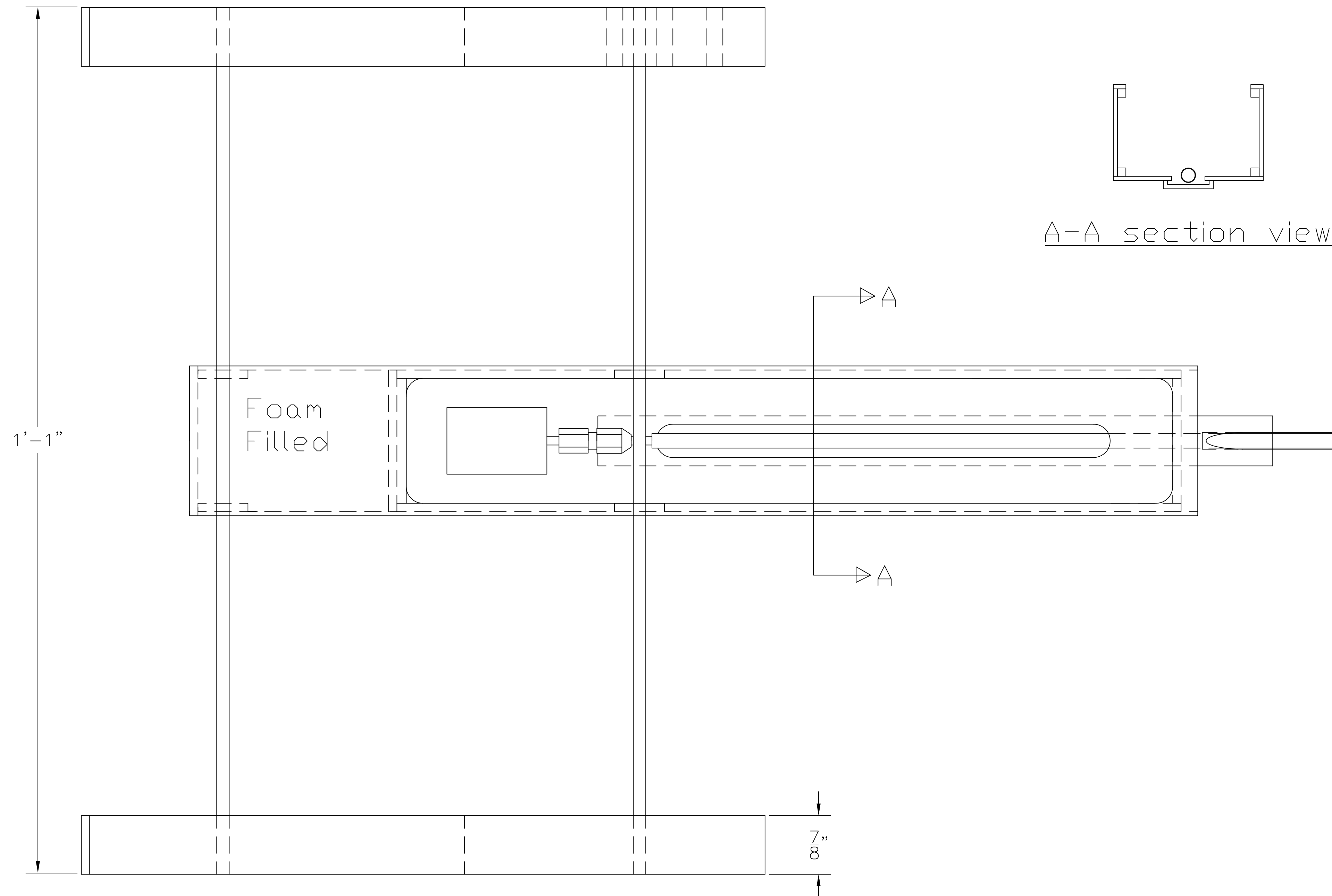
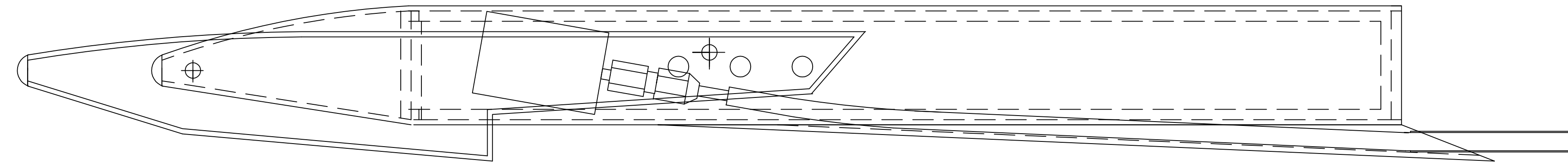


# J.A.E. RACING HULLS *JAE Mini-Sprint FE*



A-A section view

Construction is drawn with 1/16" plywood skins on all surfaces of the boat. If you choose the boat can be built using 1/32" plywood skins on all surfaces of the boat. If you choose 1/32" leave templates the same the boat will just be 1/16" smaller in height.

The tub needs to be JIG built in order to keep plywood straight. All corners are reinforced with 1/8 x 1/8 bass wood stringers. The transom is 1/8 birch plywood and the front bulkhead can be 1/8 light ply. The nose is wood over foam construction. This area can be left hollow if you feel you need more space for electric components.


The boom tubes are recommended to be 3/16" solid rod carbon fiber. You should use either aluminum or brass tubes (3/16" ID) for support in both the sponsons and the tub.

The stuffing tube we installed (using 1/8" flex cable) is made using 7/32 OD K&S brass tubing with Octura teflon liner. The last 2 inches is reinforced with 1/4 OD K&S brass tubing. The stuffing tube is also the strut. It is glued in place with the reinforced section at the rear of the boat.

THE STRUT IS GLUED IN AT A ZERO (NEUTRAL) DEGREE ANGLE OF ATTACK. The exit of the stuffing tube should be sealed with at least 5 minute epoxy. The easiest way to do this is to pour a little epoxy down the rear of the ski inside the radio box. This should be done after the tube is glued in and a plywood endcap is in place on the end of the ski.

The turn fin screw supports are 1/4" wooden dowel. Use a pilot drill when screwing the #4 screws in to hold the fin. The dowels are prone to split.

Sponsons are wood over foam construction. Use 3/4 sheet foam for sponsons.

		<b>J.A.E. Mini Sprint Hydro Electric</b>			
		ASSEMBLED VIEW			
Design by:	Geraghty, Hall, Zaker, Truex, Smock	SIZE	FSCM NO.	DWG NO.	REV
Drawn by:	David Hall	SCALE	1:1	SHEET	2