This is the Blue Foam Wonder Version 2, modified (AFAIK) by Mike Miler.

The main changes from the original are:

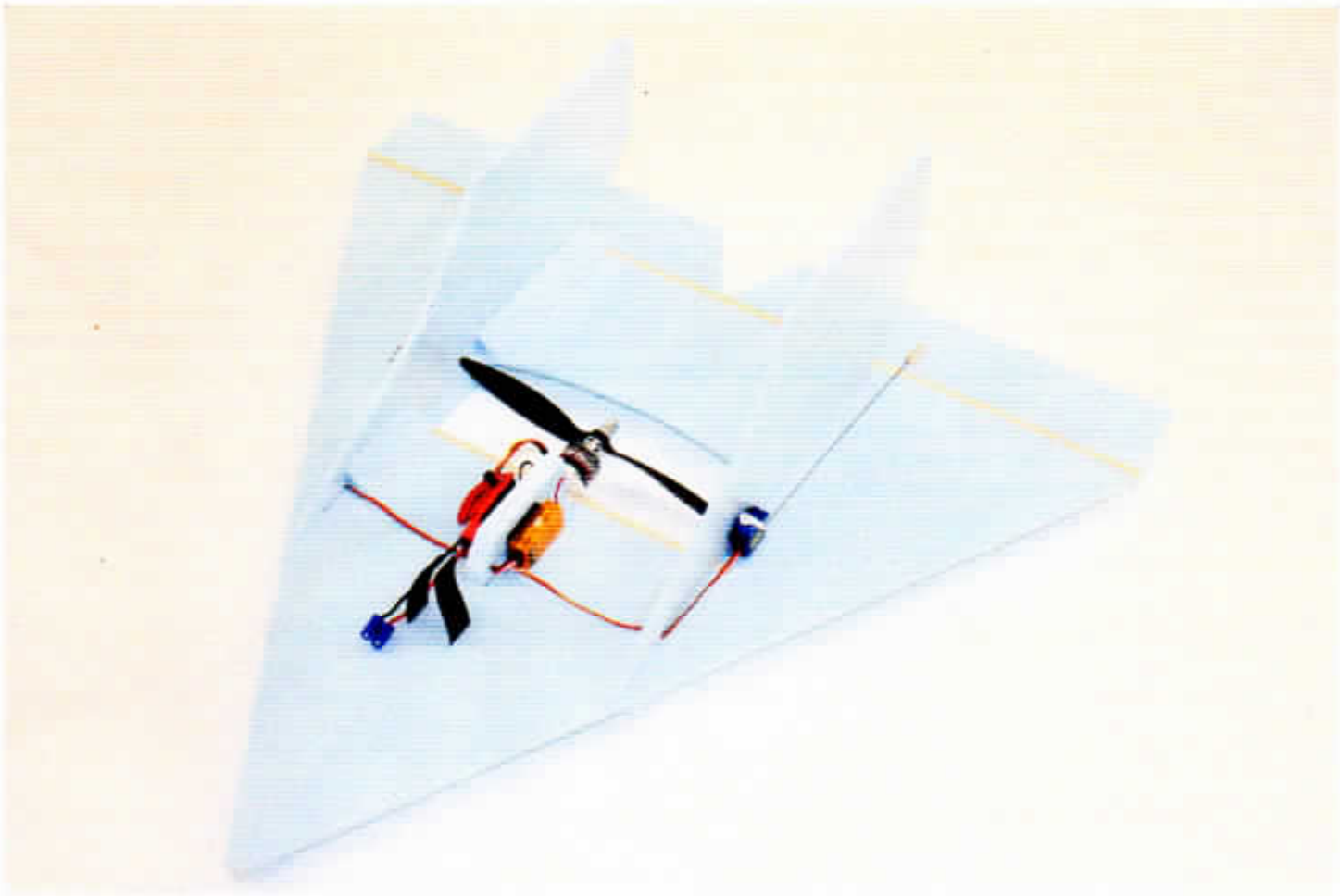
The center hole is expanded greatly – probably to allow harder turns

The bottom skids have been replaced with Owens Corning ½ inch Foamula

Behind the motor is a piece of Foamula to mount the ESC and receiver

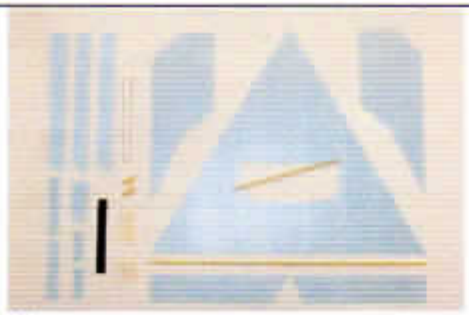
Mike sold the parts as a kit, the drawings attached are based on the parts from the kit. As far as I know, he never published the kit plans, and it was all kept in a CAD program.

Blue Foam Wonder V2



This setup is available at www.hobbyking.com

Park 450-1050	Turnigy Park 450 Brushless Outrunner 1050Kv
TR_P25A	Turnigy Plush 25amp Speed Controller
HXT900	HXT900 9g/ 1.6kg/ .12sec Micro Servo
T1500.3S.20	Turnigy 1500mAh 3S 20C Lipo Pack
OR001-00309B	SF E-Prop 9X4.7 w/ Adapters Black (5pcs/bag)



#1
Blue Foam Wonder kit. Use hot melt glue or foam safe CA to assemble your airplane.

#2
Glue ¼" wood spars into place.

#3
¼" wood spars glued into place on trailing edge and front of motor bay opening.

#4
Attach elevons with tape of your choice.

#5
Apply tape on bottom side of elevons if desired.

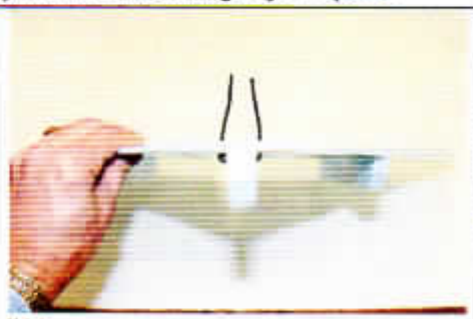
#6
Locate the plywood battery support and the foam stiffener with notches.

#7
Glue in place as shown.

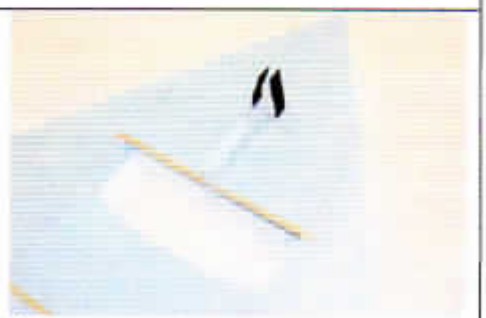
#8
Glue all three foam stiffeners in place as shown. *Note: stiffeners must be flush with back edge of ¼" spars.*

#9
Cut ¾" slots on both sides of battery support for the Velcro battery strap.

#10
Thread Velcro battery strap as shown.



#11
Velcro battery strap installed in place.



#12
Glue foam stiffener in place as shown. *Note: stiffener must be flush with back edge of ¼" spar.*

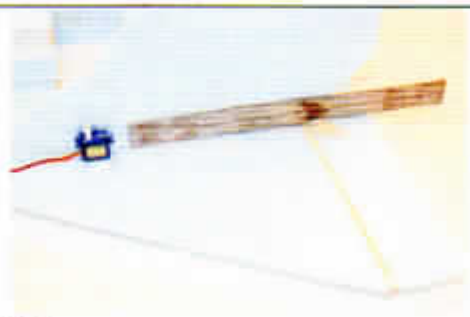
#13
Glue vertical stabilizers in place as shown.

#14
Glue vertical stabilizer supports braces into place as shown.

#15
Glue motor mount into place as shown.

#16
Glue control horns into place on elevons in slot provided.

#17
Install push rods as shown.



#18
Center servo and install servo horn at 90˚ to servo. Use straight edge to level elevon, glue servo in place as shown.

#19
Attach receiver with Velcro in location as shown.

#20
Install motor and speed control as shown. *(No need to purchase a pusher prop, just install regular prop backwards on motor shaft.)*

#21
Adjust your CG by sliding battery forward or back. CG is ¼" to 1-¼" ahead of motor bay opening.

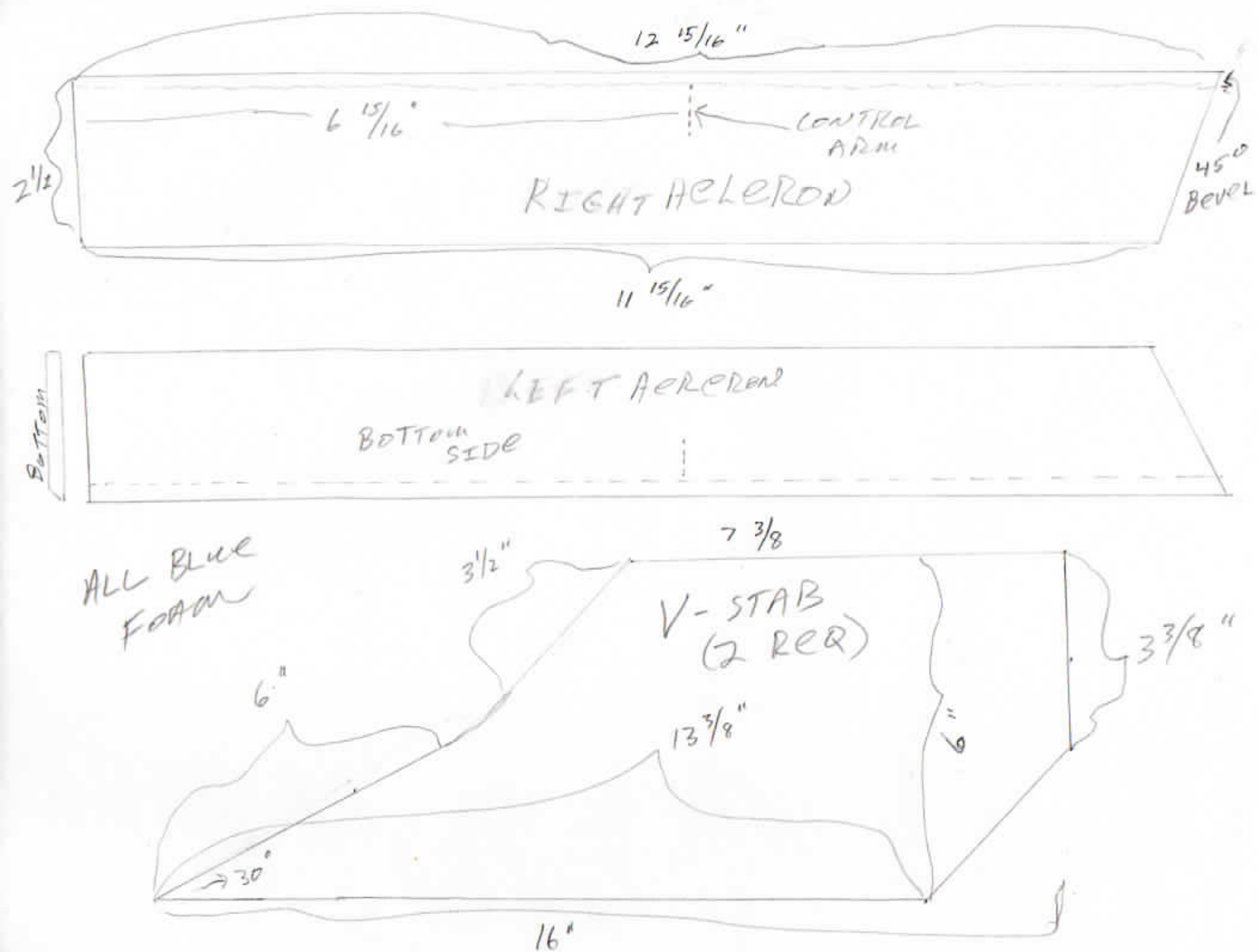
Set your radio to elevon mixing and make sure your elevons are working properly. Adjust elevons to have approximately ½" of travel up and down on low rates and 1-½" of travel up and down on high rates. Use 50% to 70% expo on high rates if your radio has that capability. On high rates the airplane will literally turn 180 degrees in less than 1 foot, and a roll rate comparable to a drill.

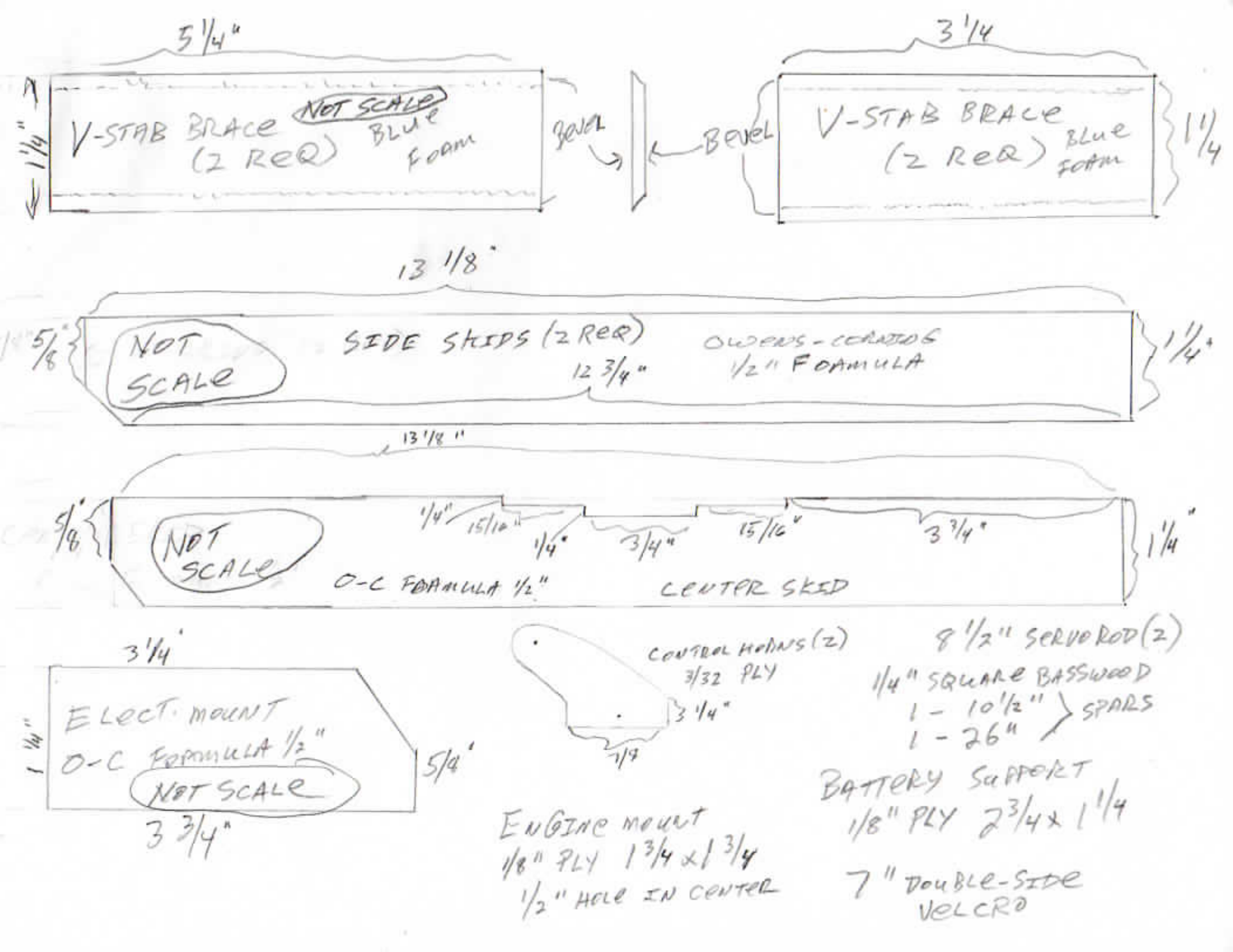
**Note: Denatured alcohol works great to remove black markings on the back side of the blue foam.*

Thank you for your purchase.

Mike Miller 320-291-7350
mike@lakecountrysls.com

21 1/2"
60°
60°
1/2"
1/4" (SPAR mount)
13"
4 3/4"
3 9/16"
2 3/8"
9"


12 15/16"
6 15/16"
CONTROL ARM
2 1/2
45° BEVEL
RIGHT AILERON
11 15/16"
BOTTOM
LEFT AILERON
BOTTOM SIDE
ALL BLUE FOAM
7 3/8
3 1/2"
V-STAB (2 REQ)
3 3/8"
6"
13 3/8"
6"
30°
16"


5 1/4"
V-STAB BRACE (2 REQ)
NOT SCALE
BLUE FOAM
1 1/4"
BEVEL
BEVEL
3 1/4
V-STAB BRACE (2 REQ)
BLUE FOAM
1 1/4
13 1/8"
5/8"
NOT SCALE
SIDE SKIDS (2 REQ)
12 3/4"
OWENS-CORNING 1/2" FOAMULA
1 1/4"
13 1/8"
5/8"
NOT SCALE
1/4"
15/16"
1/4"
3/4"
15/16"
3 3/4"
1 1/4"
O-C FOAMULA 1/2"
CENTER SKID
3 1/4"
ELECT. MOUNT
O-C FOAMULA 1/2"
NOT SCALE
1 1/4"
5/8"
3 3/4"
CONTROL HORNS (2)
3/32 PLY
3 1/4"
1/4
8 1/2" SERVO ROD (2)
1/4" SQUARE BASSWOOD
1 - 10 1/2" } SPARS
1 - 26" }
BATTERY SUPPORT
1/8" PLY 2 3/4 x 1 1/4
ENGINE MOUNT
1/8" PLY 1 3/4 x 1 3/4
1/2" HOLE IN CENTER
7" DOUBLE-SIDE VELCRO