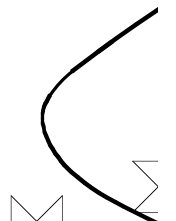
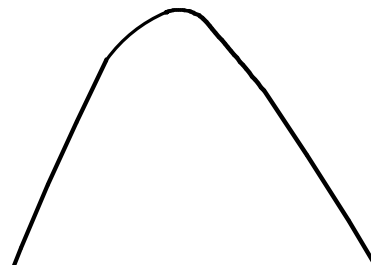


THESE "BOW TIE" FIGURES ARE USED TO REGISTER ADJOINING SHEETS WHEN YOU TAPE THEM TOGETHER.

DRILL/CUT OPTIONAL COOLING AIR INLET HERE





HATCH MADE FROM 5MM MIDWEST  
CELLFOAM 88, PROFORMANCE FOAM  
OR SIMILAR

FUSELAGE SIDE  
9/16 PINK FOAM,  
MAKE 2

FUTABA  
R617FS  
RECEIVER

MAKE RELIEF CUTS IN  
INNER SKIN AS REQUIRED  
TO MAKE CURVE

LOCATE BATTERY AS REQUIRED FOR CG





HYPERFLOW FAN  
AMMO 24-45-3790  
MOTOR

SAND INSIDE EDGE AS REQUIRED TO FULLY  
SEAT FAN UNIT. BOND WITH 5-MIN. EPOXY



1.3" (33mm) x 9/16" pink foam strip

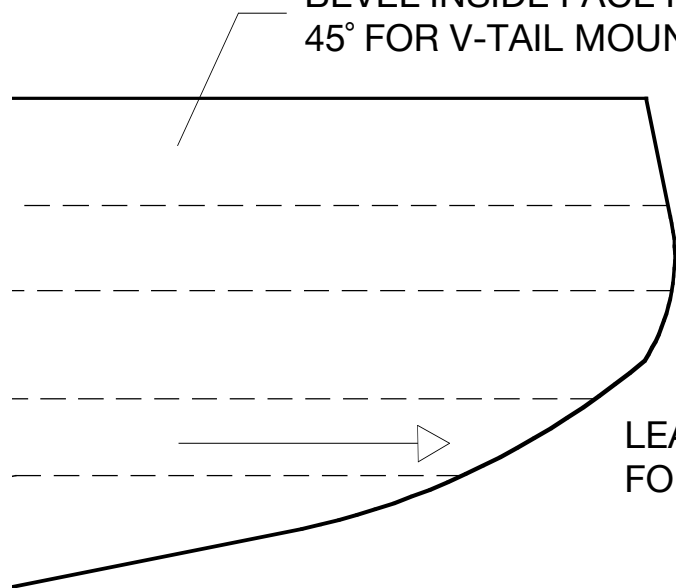
Castle Creations  
Phoenix 35 ESC

CC-BEC





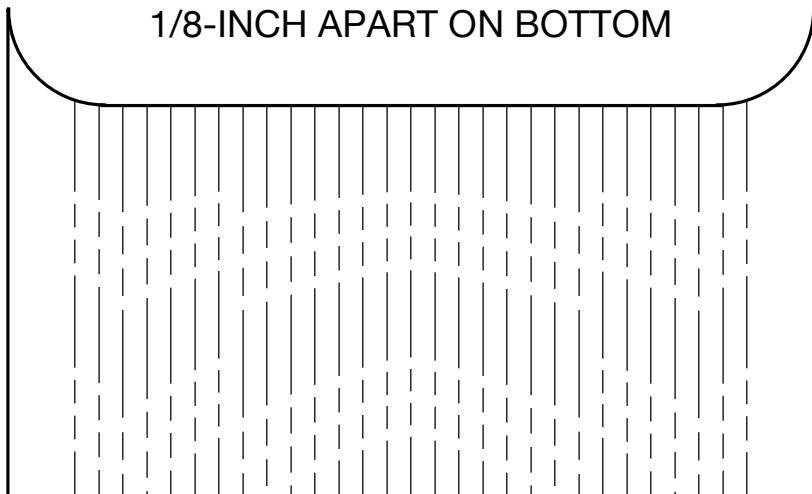
BEVEL INSIDE FACE IN THIS AREA  
45° FOR V-TAIL MOUNT

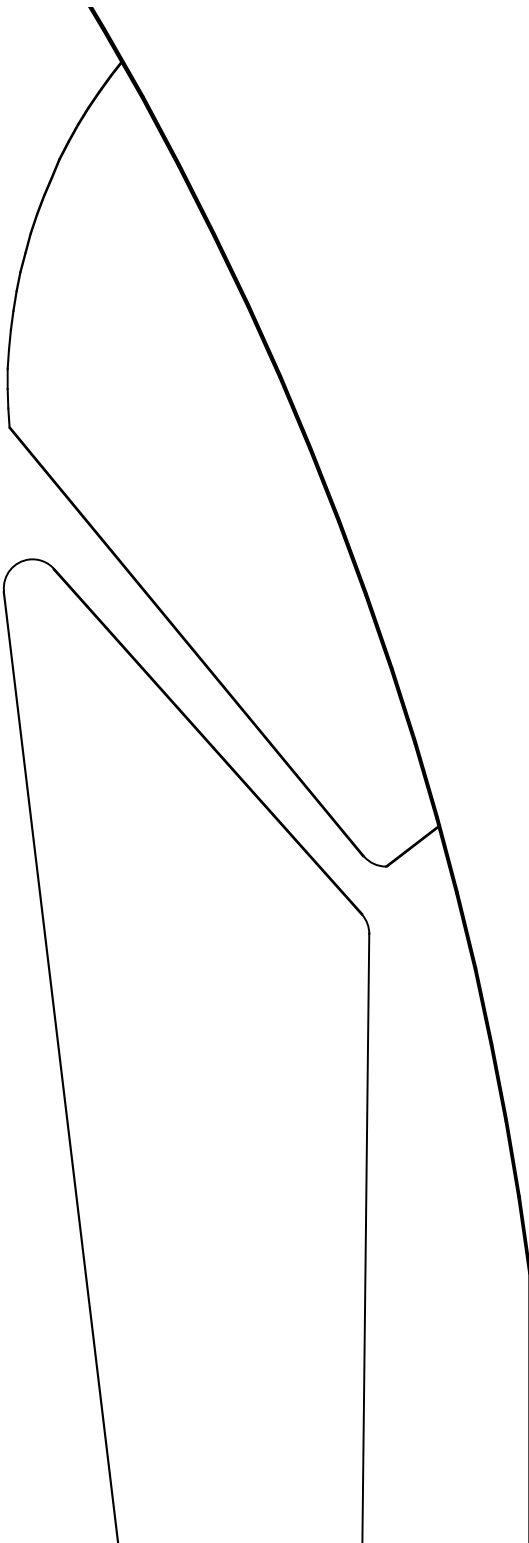
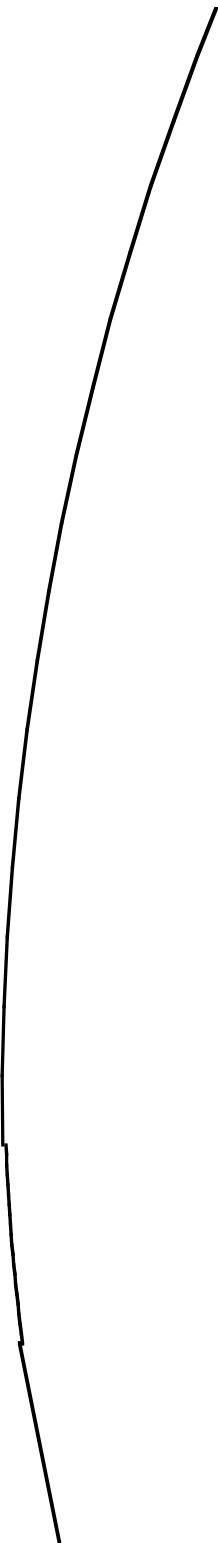


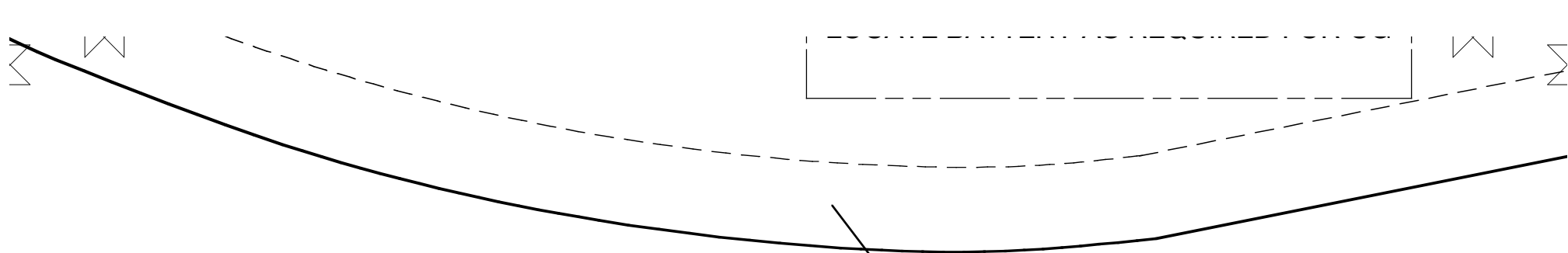
LEAVE THIS AREA OPEN  
FOR COOLING AIR EXIT



FAN SHROUD FROM 3MM  
FOAM. MAKE 1, TRIM TO FIT  
MAKE LENGHTWISE RELIEF CUTS  
1/8-INCH APART ON BOTTOM

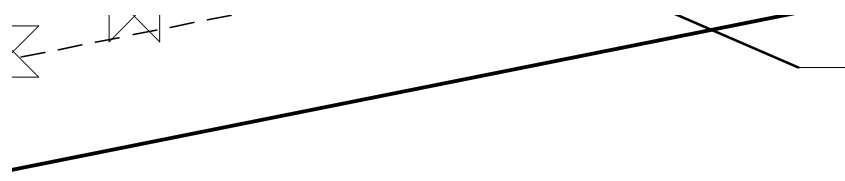
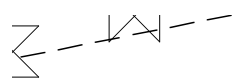




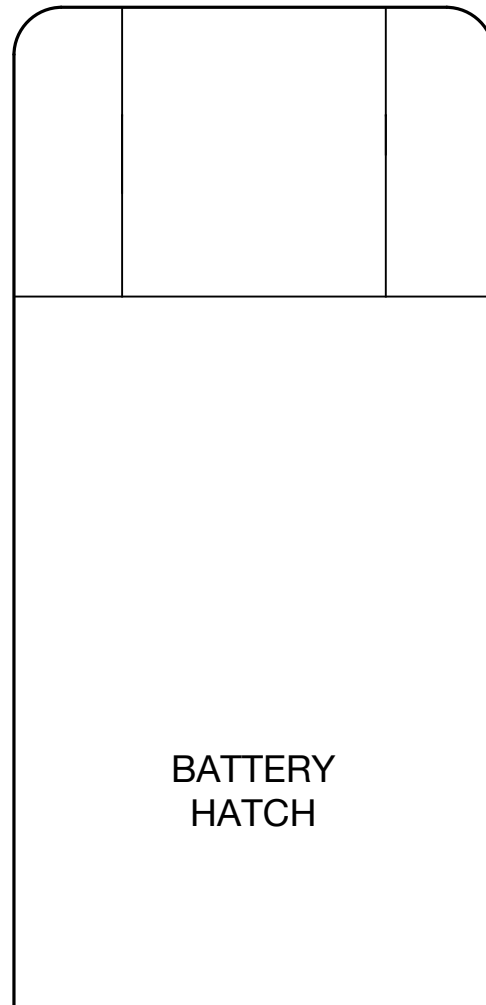


1.3 x 9/16-INCH PINK FOAM STRIP  
INSET BETWEEN FUSELAGE SIDES.  
MAKE RELIEF CUTS AS REQUIRED  
IN INNER SKIN TO MAKE CURVE.





ADD ESC ACCESS HOLE AS DESIRED



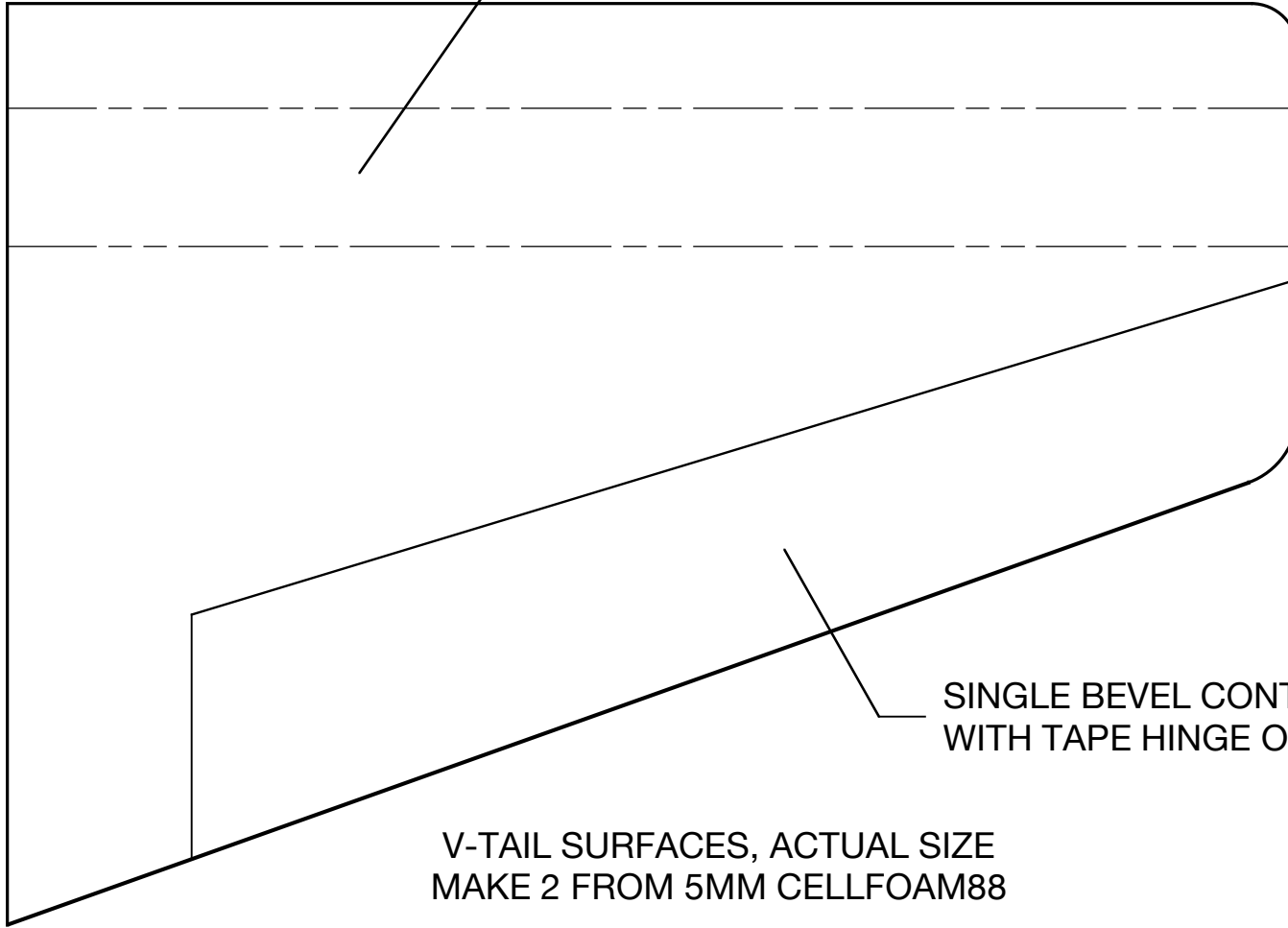
BATTERY  
HATCH







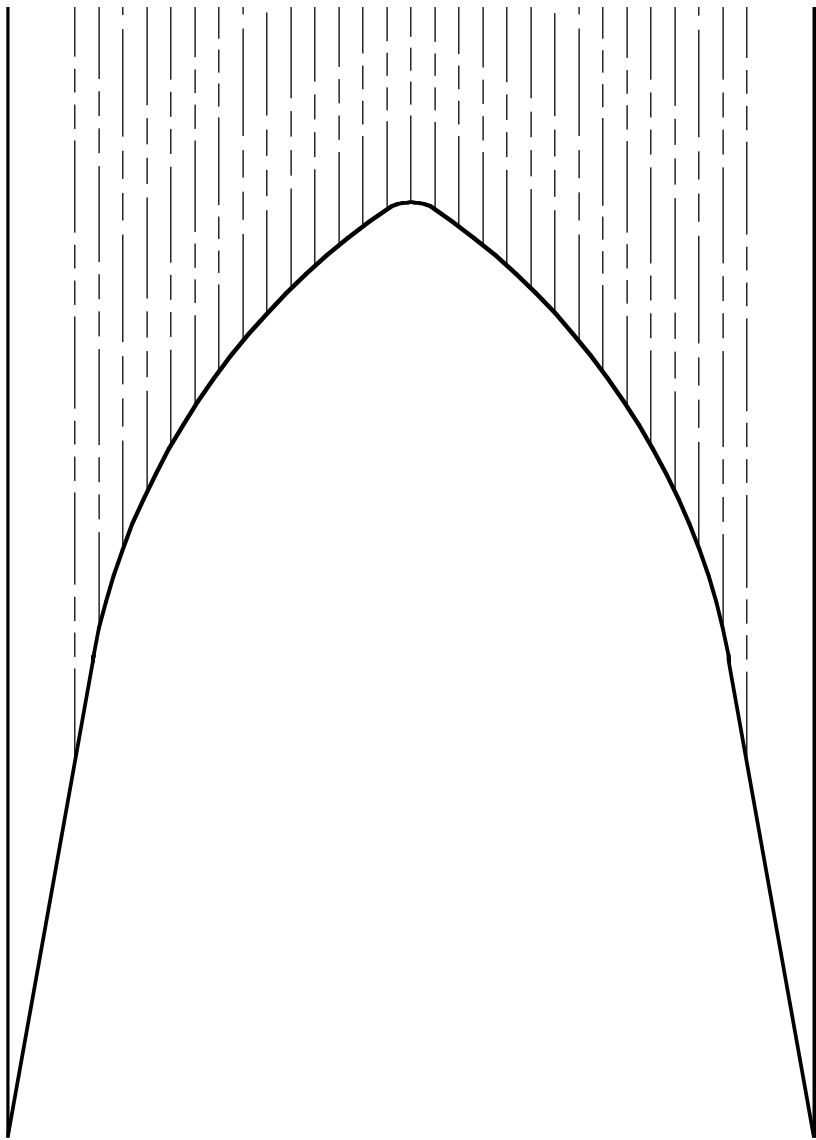
3/4-INCH STRAPPING TAPE,  
OPTIONAL BOTH SIDES.

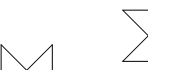
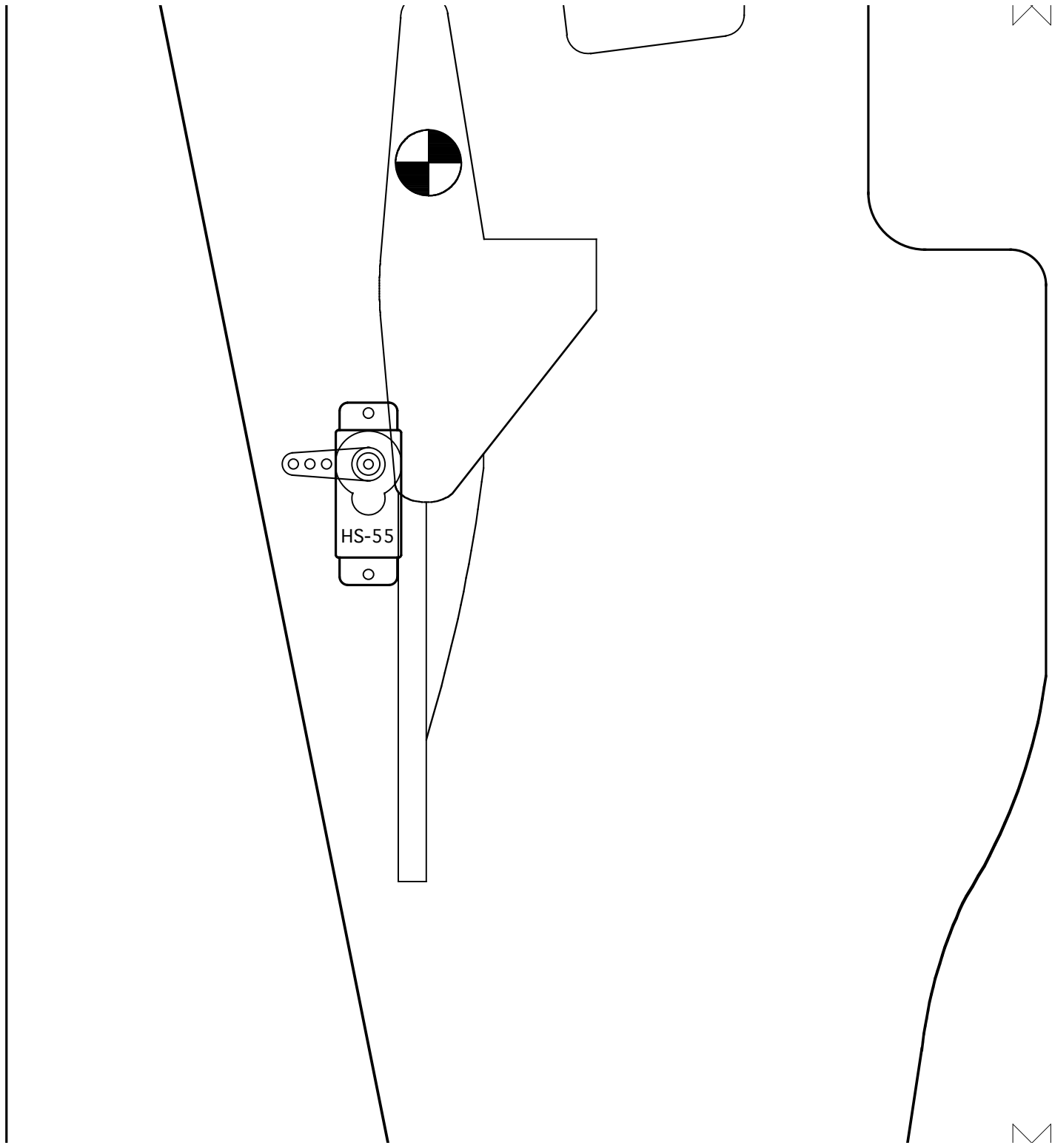
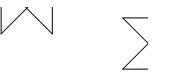


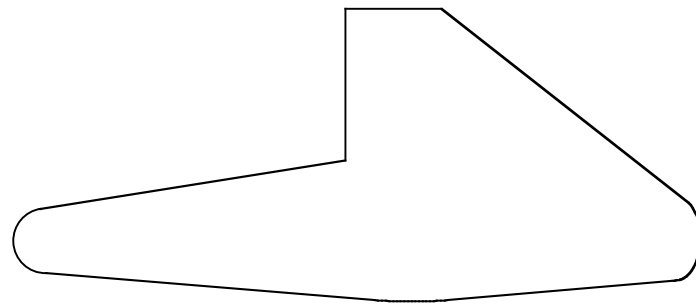
SINGLE BEVEL CONTROL SURFACES  
WITH TAPE HINGE ON TOP SURFACE

V-TAIL SURFACES, ACTUAL SIZE  
MAKE 2 FROM 5MM CELLFOAM88

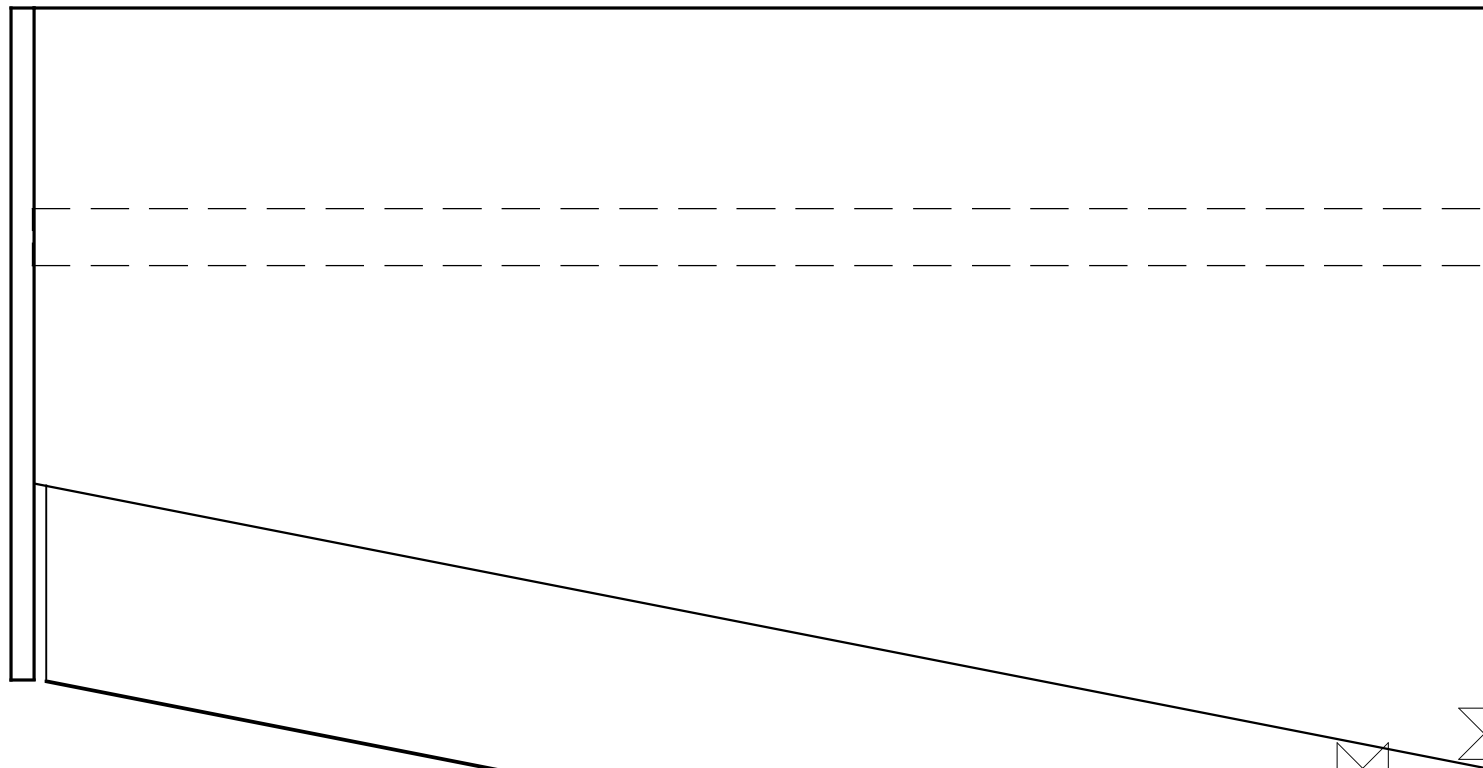


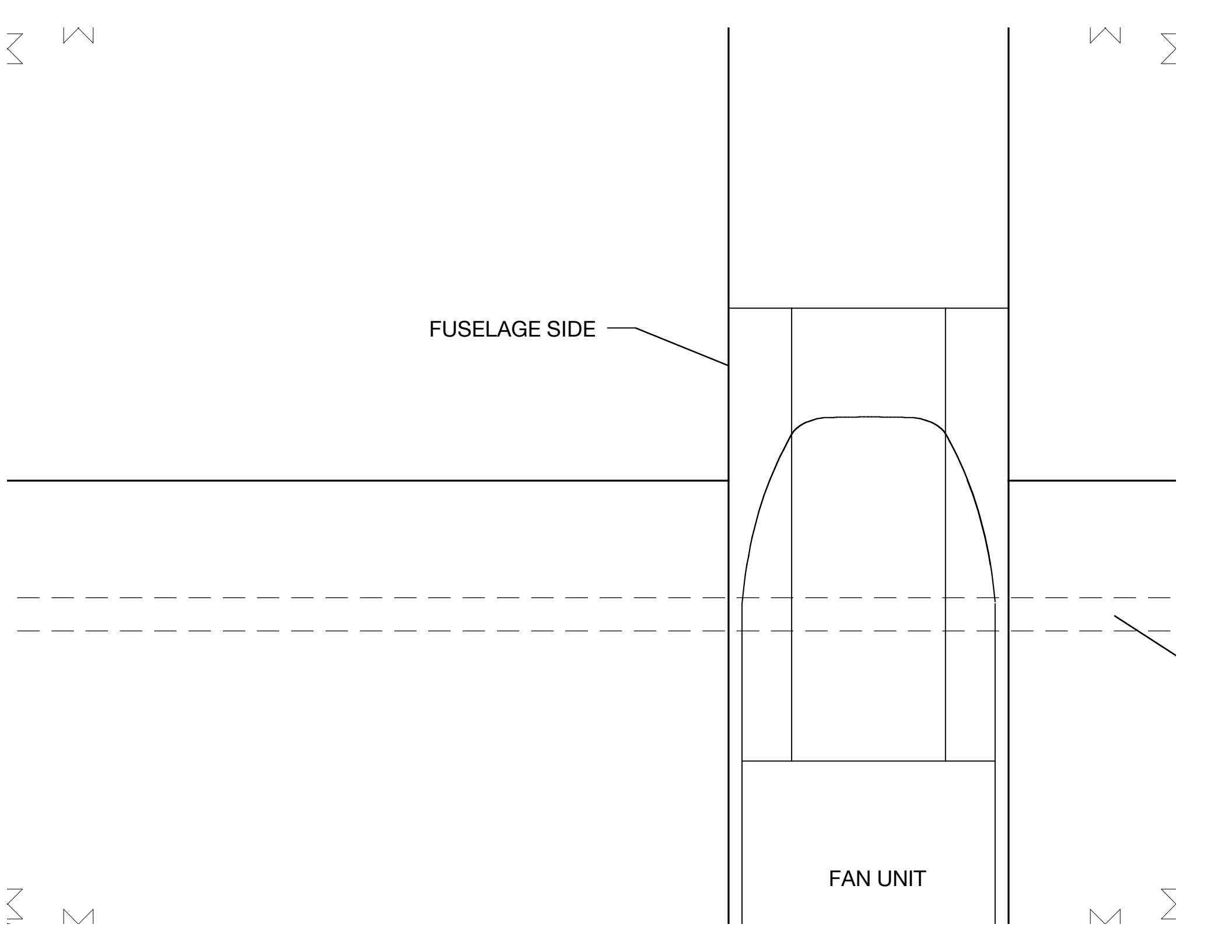






CUT WINGLETS FROM 3MM  
CELLFOAM88



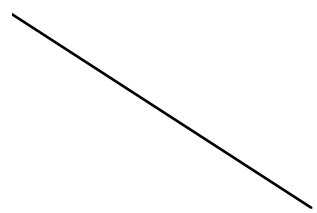
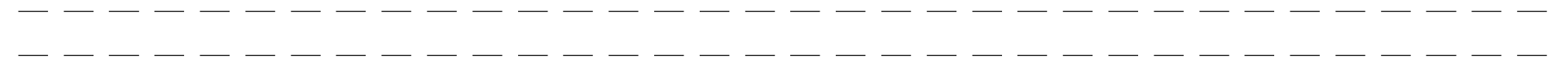


FUSELAGE SIDE

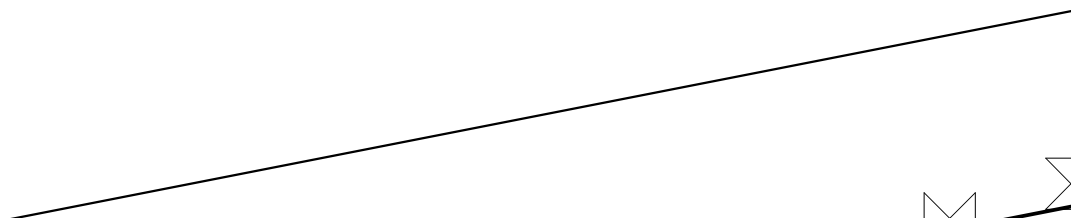
FAN UNIT

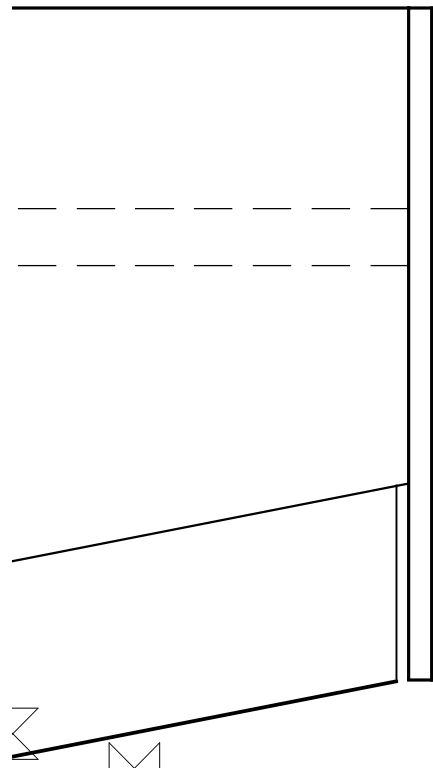


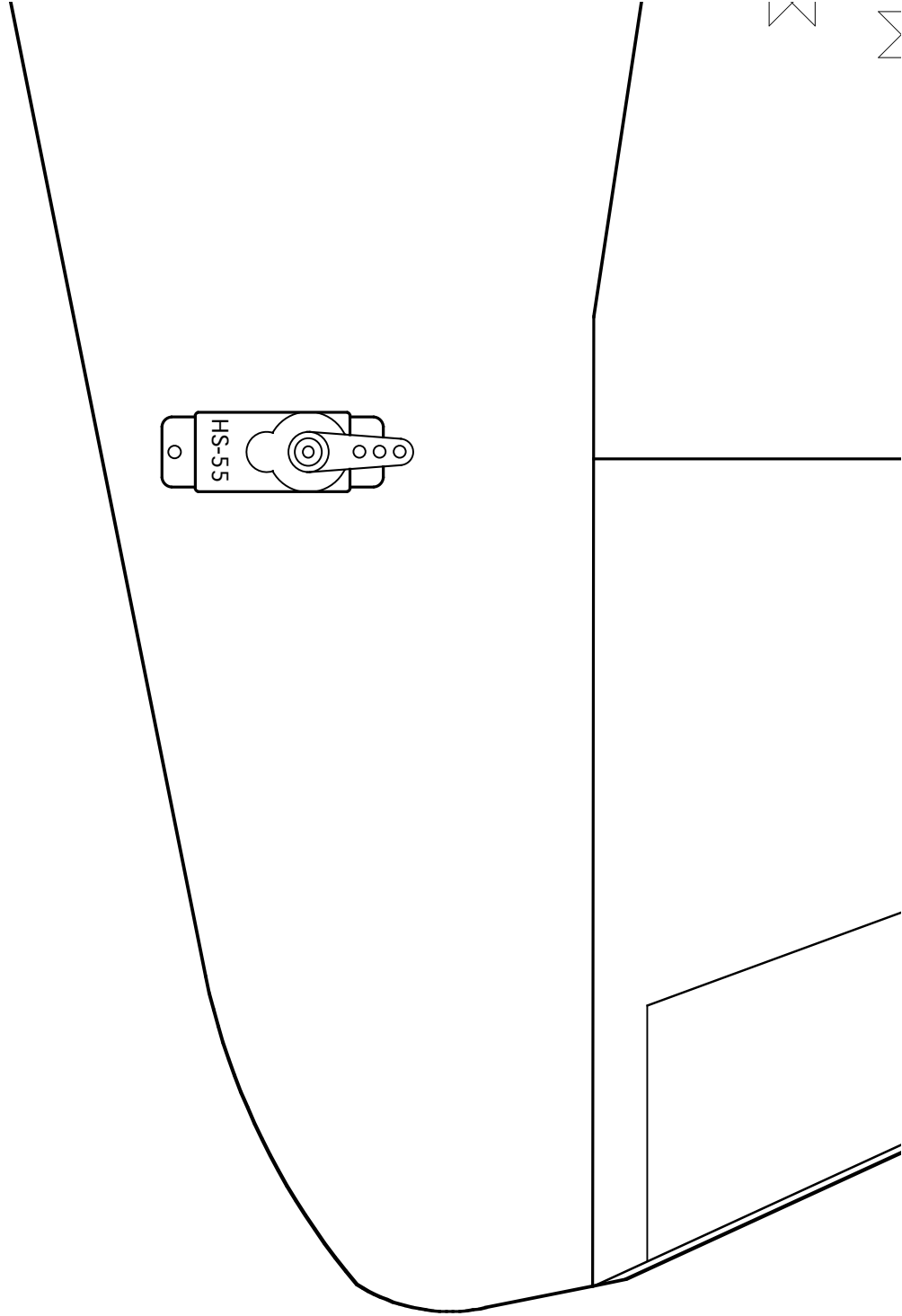
**WING CORES AVAILABLE FROM [WWW.FLYINGFOAM.COM](http://WWW.FLYINGFOAM.COM)**  
PINK FOAM, 12% CLARK-Y AIRFOIL WITH 5MM THICK TRAILING EDGE



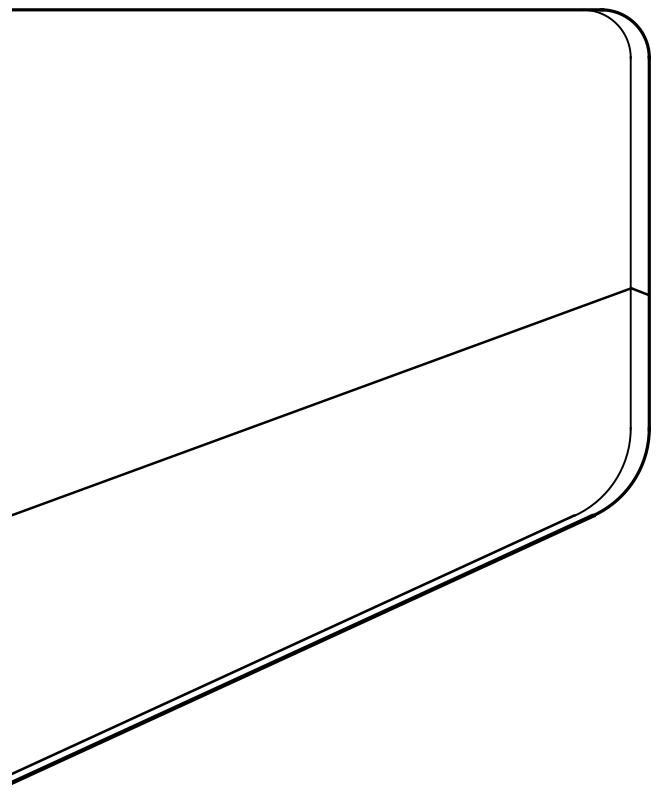
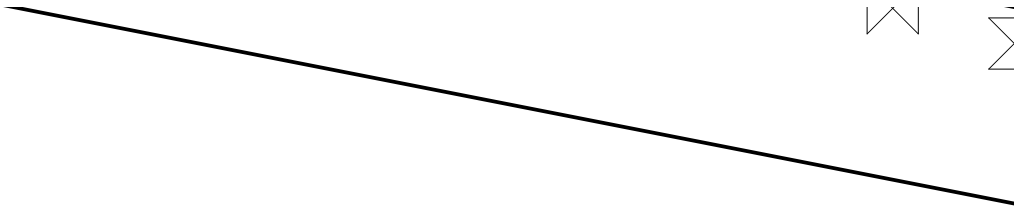
5MM CARBON FIBER SPAR  
TUBE IN WING BOTTOM

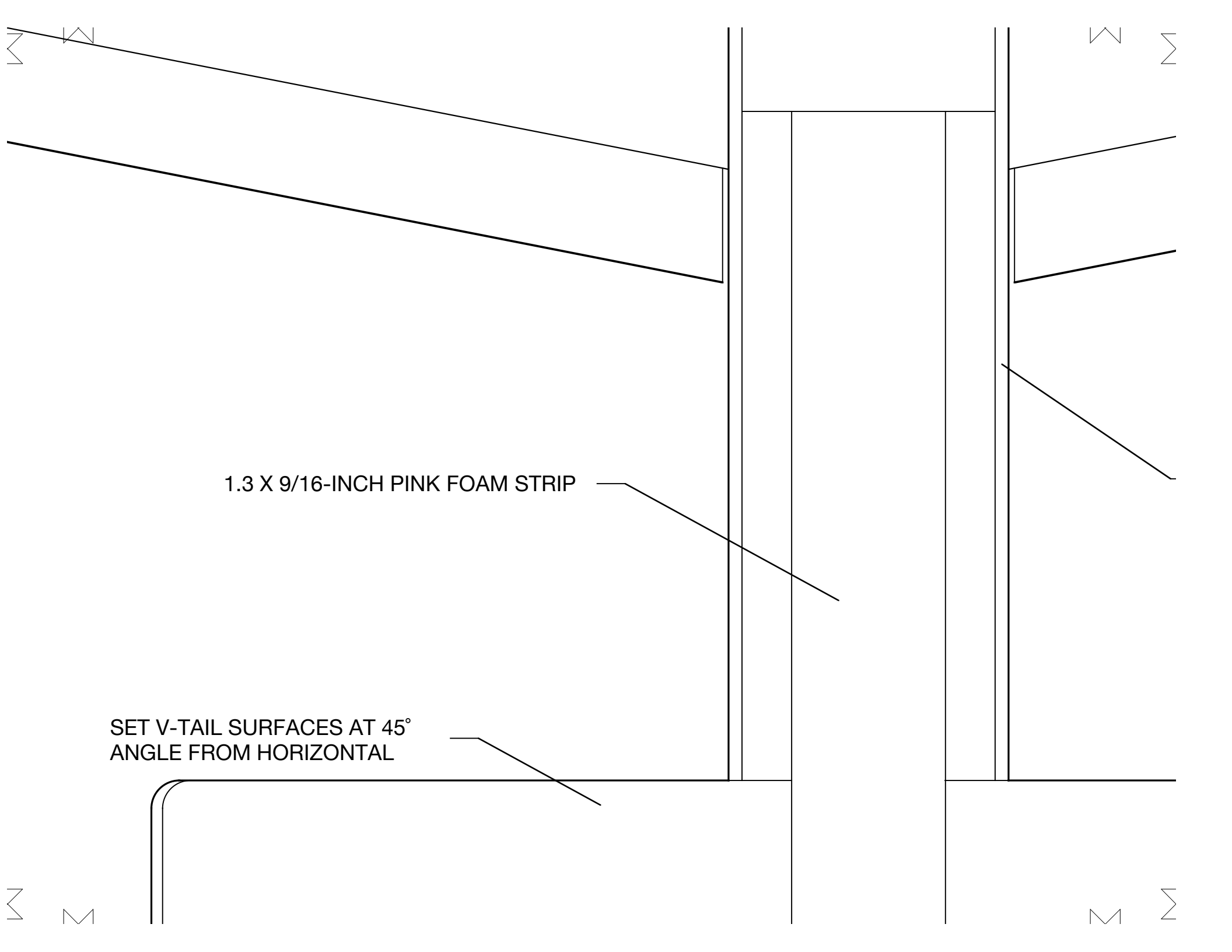






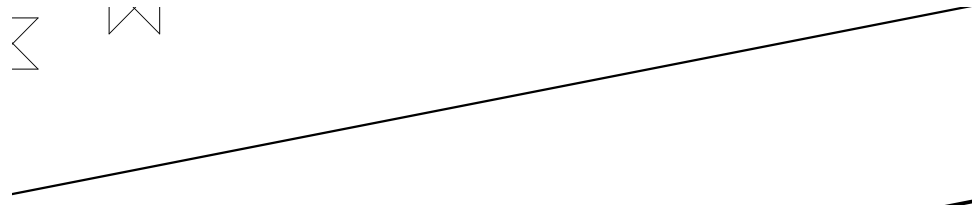






1.3 X 9/16-INCH PINK FOAM STRIP

SET V-TAIL SURFACES AT 45°  
ANGLE FROM HORIZONTAL



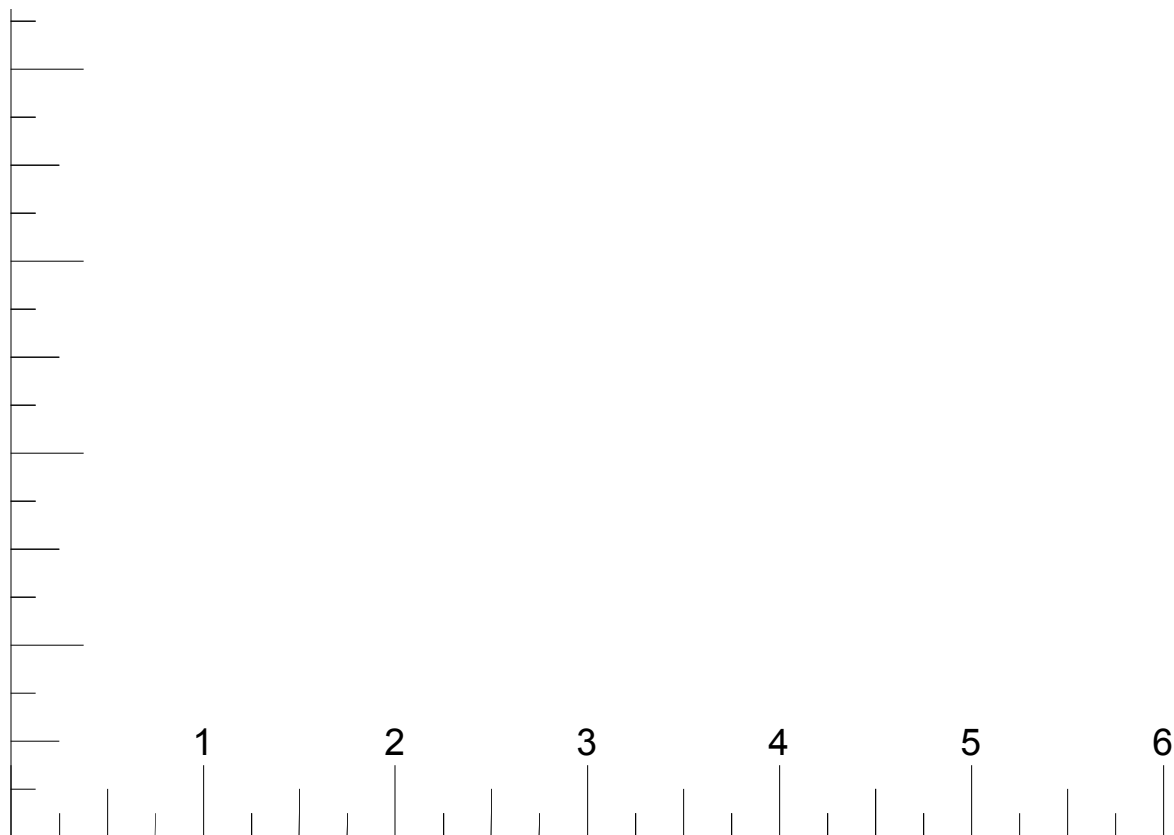
CUT AILERONS FROM 5MM CELLFOAM88  
 SINGLE BEVEL LEADING EDGE AND TOP HINGE WITH TAPE.

— LEAVE 1/8 LIP FOR GLUING  
 FAN SHROUD



**NOTES:**

1. FOAM SOLD AS 1/2 IN THICK BUT MEASURES 9/16
2. COVER WITH LOW-TEMP TOWERKOTE IRON-ON FILM OR SIMILAR
3. BALANCE MODEL 1-3/16 INCHES BEHIND WING LEADING EDGE AS SHOWN
4. WING AND TAIL SET AT 0° INCIDENCE
5. PROTOTYPE FLEW WITH 3S 1300MAH & 4S 2000MAH PACKS
6. CONTROL THROWS
  - AILERONS: +/- 3/8 IN
  - ELEVATOR: +/- 1/2 IN
  - RUDDER: +/- 1/2 IN
7. ADHESIVES USED
  - ZAP FOAM-SAFE CA - FAN SHROUD
  - GORILLA GLUE - FUSELAGE
  - 5-MIN. Z-POXY - FAN INSTALL, V-TAIL
  - 30-MIN. Z-POXY - WING, SPAR



SCALE - INCHES

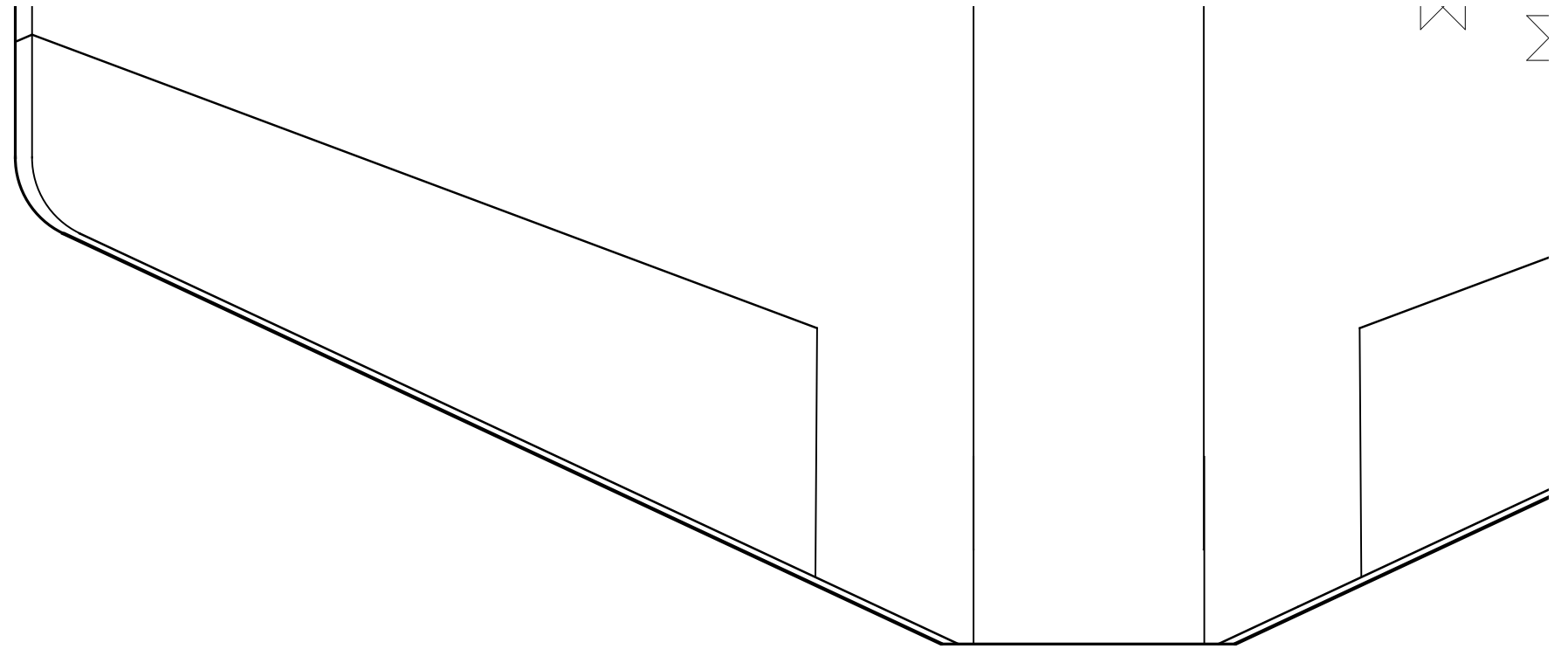


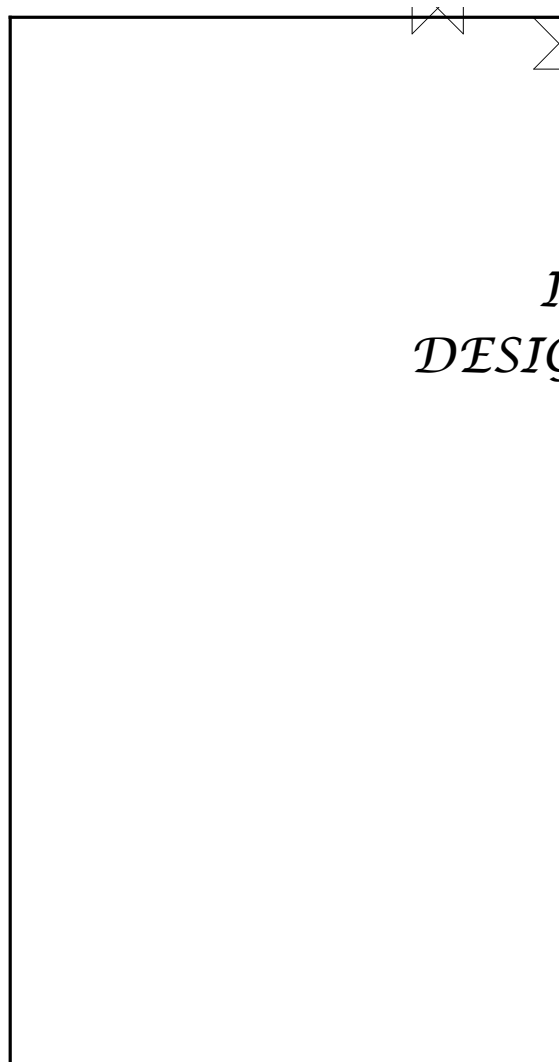
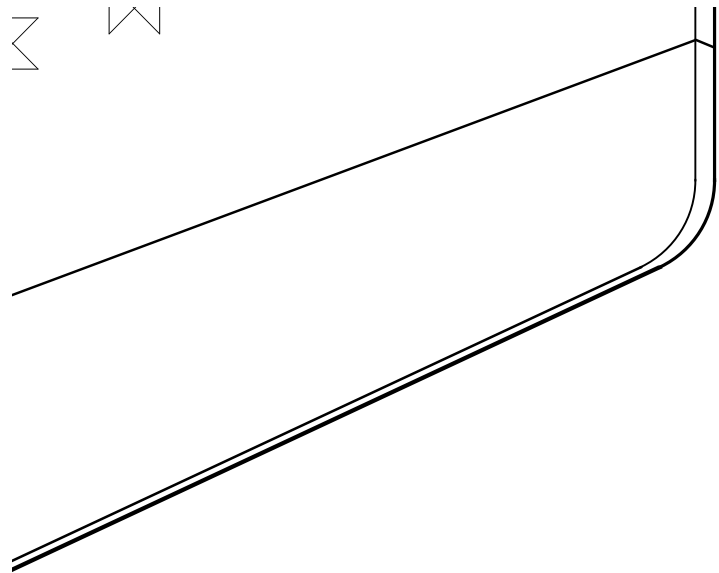


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*1*  
*DESIGN*





# *New Moon*

*A FANTASY-SCALE JET*

*INSPIRED BY MOONEY AIRCRAFT*

*DESIGNED AND DRAWN BY TERRY DUNN*

WINGSPAN: 30.5 IN

LENGTH: 25 IN

WING AREA: 152.5 SQ IN

WEIGHT: 17-22 OZ

## POWER SYSTEM

FAN: GREAT PLANES HYPERFLOW

MOTOR: 200-WATT MINIMUM

BATTERY: 3S 1300 - 4S 2200MAH LIPO

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DRAWN WITH AUTOCAD AND ASHLAR-VELLUM GRAPHITE CAD SOFTWARE