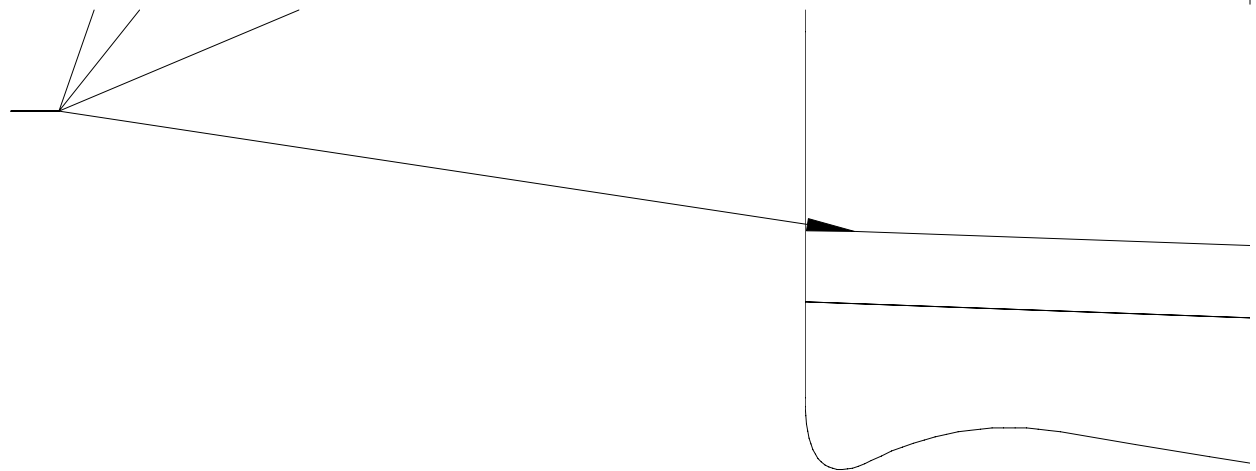
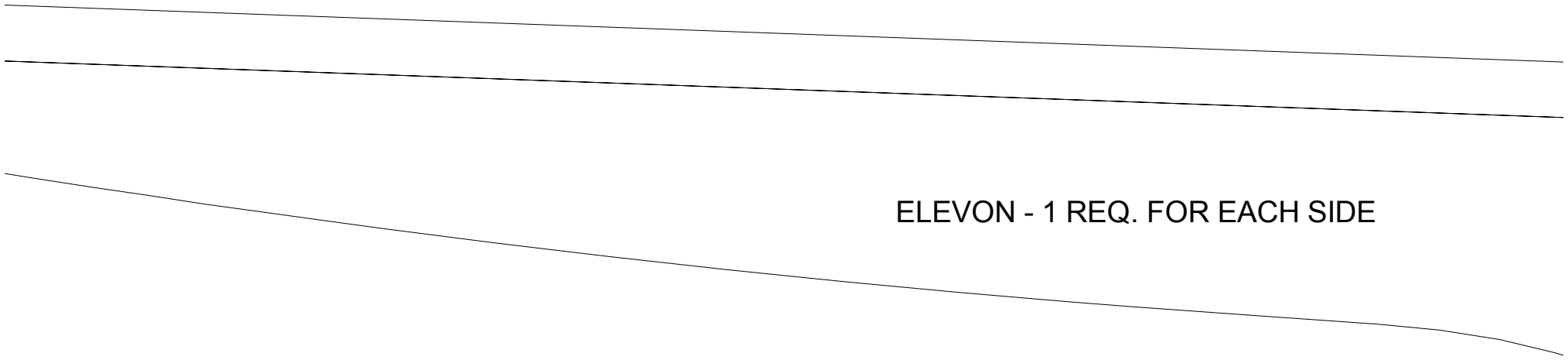


.051" CARBON FIBER ROD
REINFORCEMENT - TWO 1 METER
STICKS REQUIRED



BUILD INSTRUCTIONS:

1. INSTALL .051" CARBON RODS IN FUSELAGE AND WING PANEL
2. INSTALL 5MM WING SPAR AND LAMINATE KF PANEL TO THE WING PANEL
3. FILL IN EXPOSED CARBON SLOTS WITH LIGHTWEIGHT SPACKLE
4. BEVEL LEADING EDGES OF ELEVONS AND ATTACH TO WING WITH TAPE HINGE
5. CONTOUR THE LEADING EDGE AND WINGTIP PER THE AIRFOIL SECTION SHOWN AT THE TOP OF PLAN
6. WING GRAPHICS MAY BE PAINTED OR APPLIED AT THIS TIME, THEN APPLY LEADING EDGE REINFORCE
7. LAMINATE FUSELAGE LOWER, DOUBLERS, AND FIREWALL FILLER PANELS
8. JOIN HALVES OF HORIZONTAL FUSELAGE DOUBLERS (THIS APPLYS TO KITS ONLY AS THIS PART IS 2 P
9. GLUE THE FUSELAGE LOWER TO THE HORIZONTAL FUSELAGE DOUBLER
10. INSTALL THE FUSELAGE SUB-ASSEMBLY TO THE WING SUB-ASSEMBLY
11. INSTALL VERTICAL STABILIZER FIN AND FIREWALL

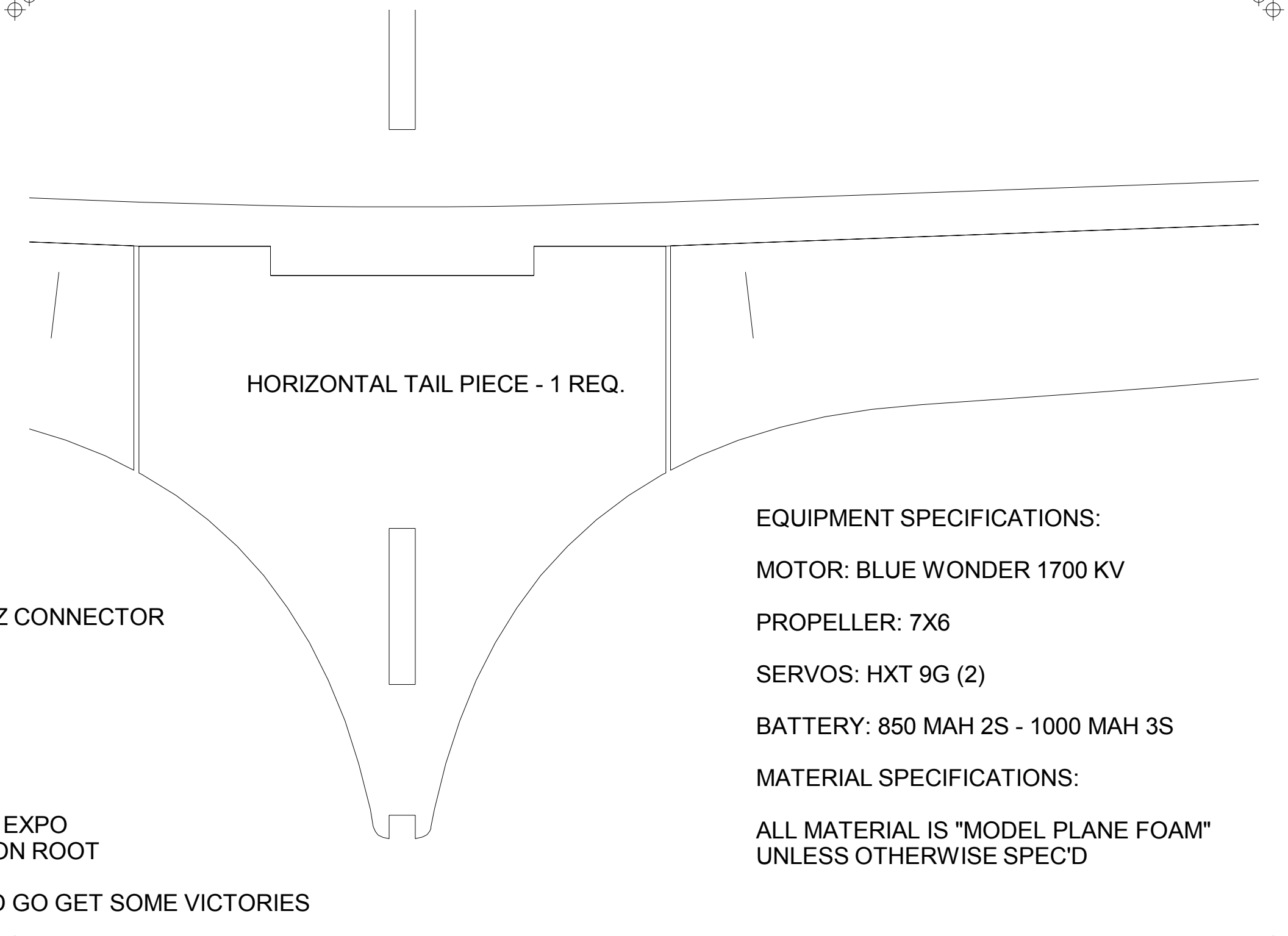


ELEVON - 1 REQ. FOR EACH SIDE

- 12. INSTALL ELEVON CONTROL HORNS
- 13. CENTER SERVOS AND ATTACH CONTROL ARMS
- 14. INSTALL SERVOS
- 15. BEND PUSHRODS FROM .032" MUSIC WIRE AND INSTALL WITH DUBRO #849 EZ CON
- 16. INSTALL MOTOR, ESC, AND RECEIVER
- 17. USE VELCRO STRAPS TO SECURE THE ESC, RECEIVER, AND BATTERY
- 18. SET ELEVON TO FLAT (NO REFLEX) WITH CG AT 3-3.25' FROM NOSE
- 19. SERVO SETTINGS SHOULD GIVE 5/16" DEFLECTION AT LOW RATES WITH 50% EXPO
AND 3/4" DEFLECTION ON HIGH RATES WITH 50% EXPO. MEASURED AT ELEVON RO
- 20. PUT ON 20' OF 1" WIDE CREPE PAPER STREAMER WITH A PIECE OF TAPE AND GO C

PLANS
 ORCEMENT TAPE
 IS 2 PIECE)





HORIZONTAL TAIL PIECE - 1 REQ.

Z CONNECTOR

EXPO
ON ROOT

GO GET SOME VICTORIES

- EQUIPMENT SPECIFICATIONS:
- MOTOR: BLUE WONDER 1700 KV
 - PROPELLER: 7X6
 - SERVOS: HXT 9G (2)
 - BATTERY: 850 MAH 2S - 1000 MAH 3S
- MATERIAL SPECIFICATIONS:
- ALL MATERIAL IS "MODEL PLANE FOAM"
UNLESS OTHERWISE SPEC'D





StingRay 3.0

an original design by Ken Neal

WINGSPAN: 32"

OAL LENGTH: 18"

WING AREA: 236"

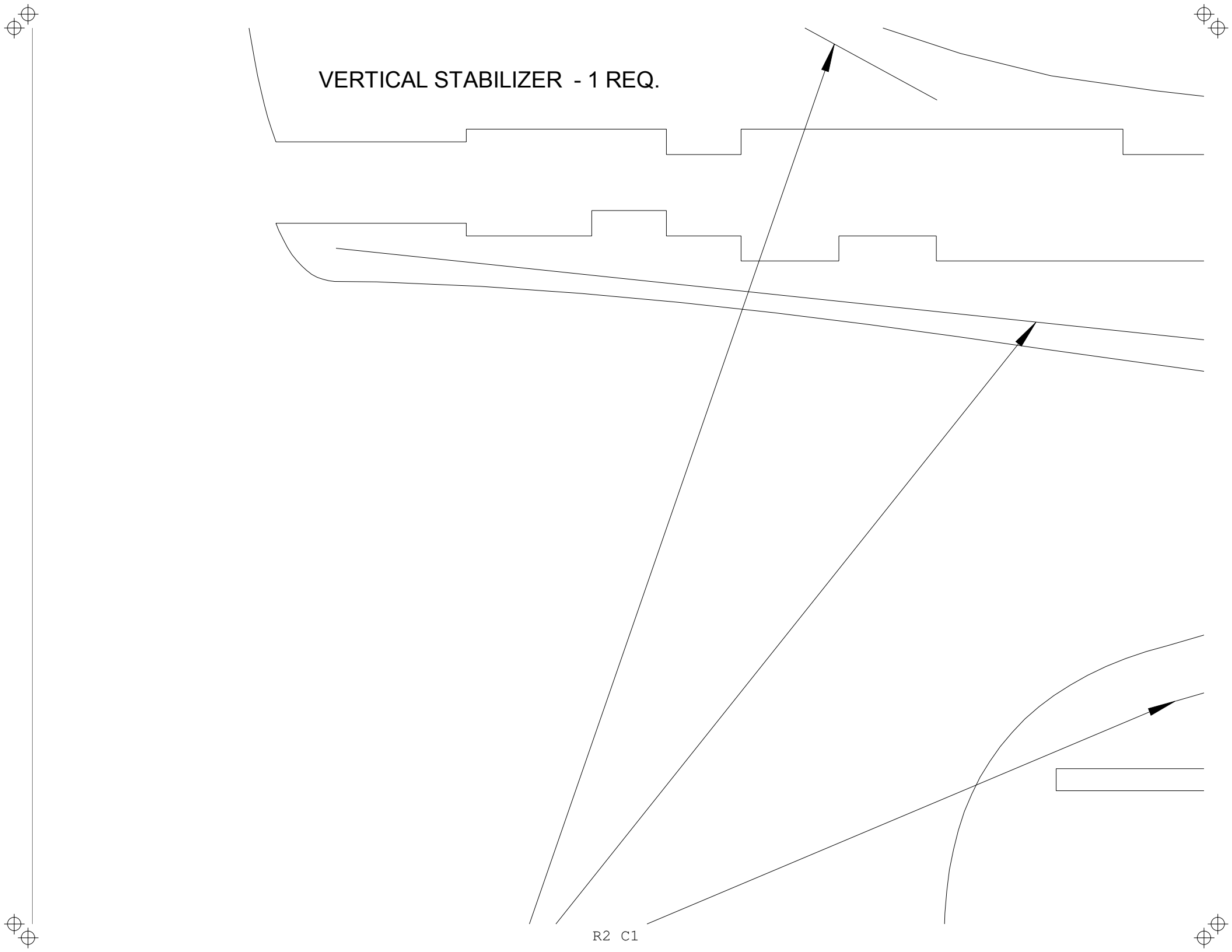
WEIGHT: w/2s BATT. 7oz - w/3s BATT. 8oz

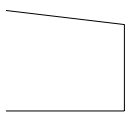
FOR NON COMMERCIAL USE ONLY

RELEASED 16-MAR-2013

VERTICAL STABILIZER - 1 REQ.

R2 C1

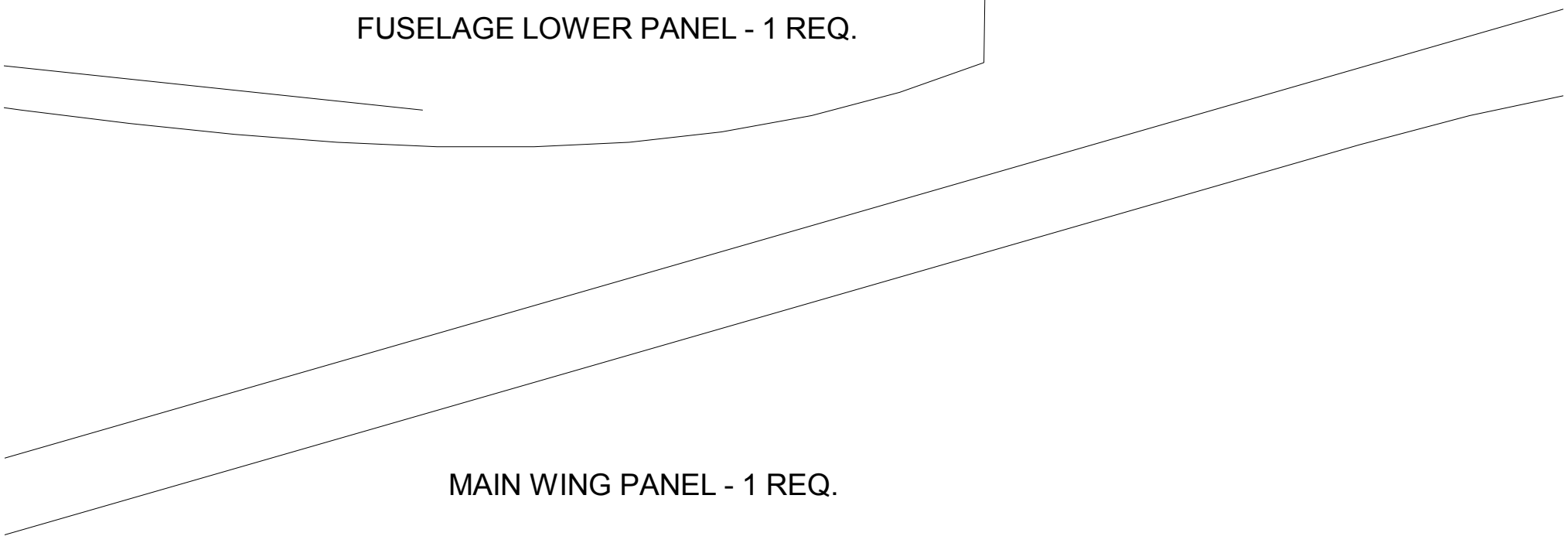
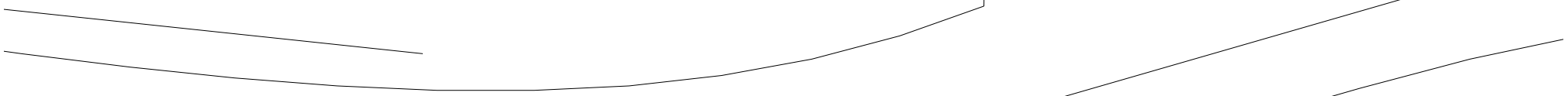




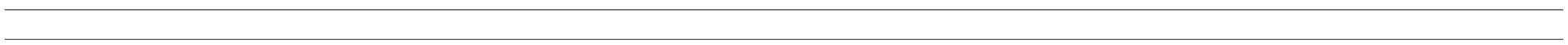
.032" MUSIC WIRE PUSHRODS

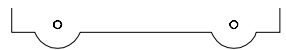


FUSELAGE LOWER PANEL - 1 REQ.



MAIN WING PANEL - 1 REQ.

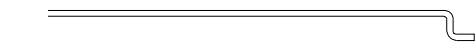




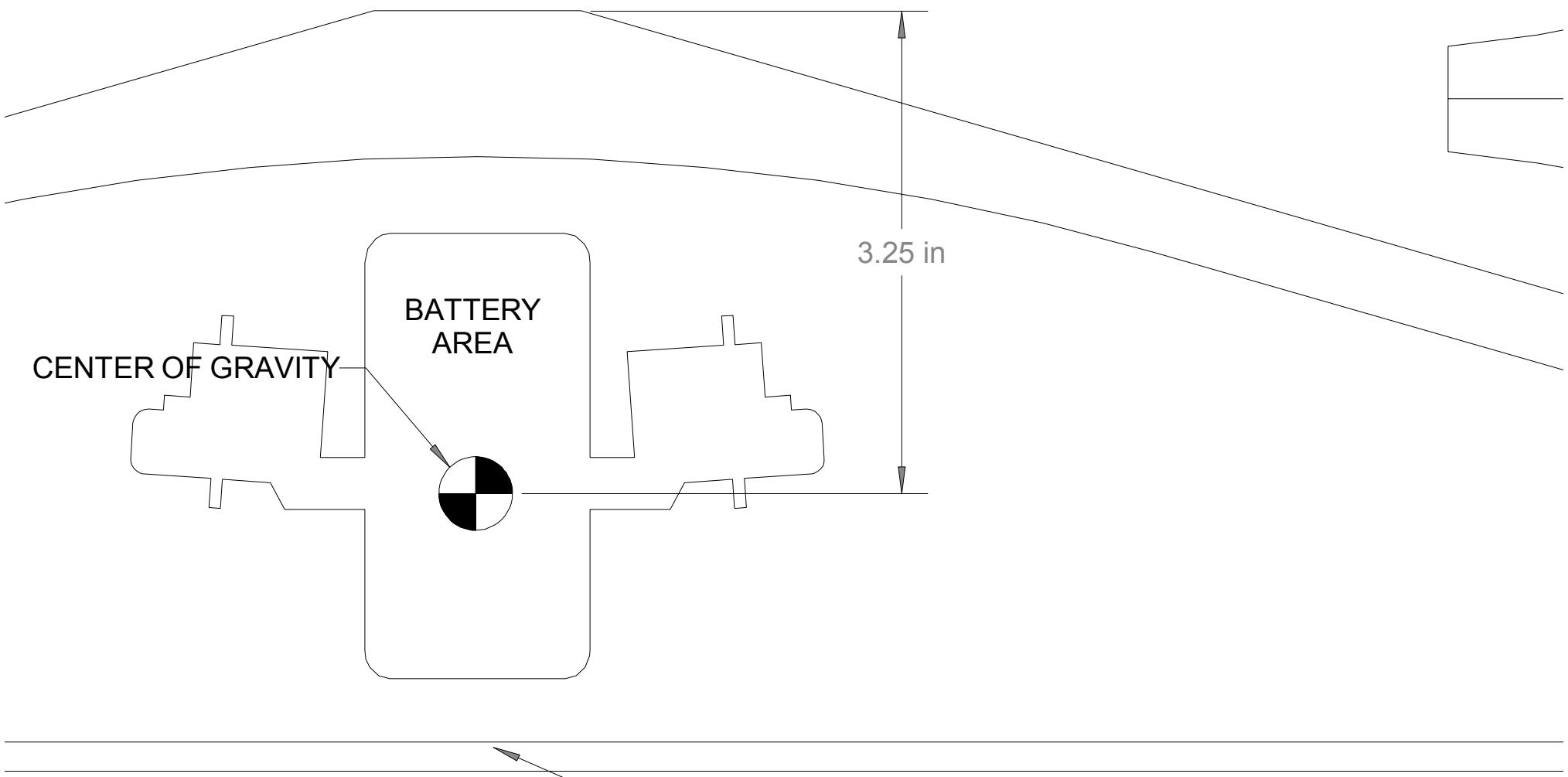
FIREWALL 1/8"
PLY - 1 REQ.



CONTROL HORN
1/16" PLY - 2 REQ.



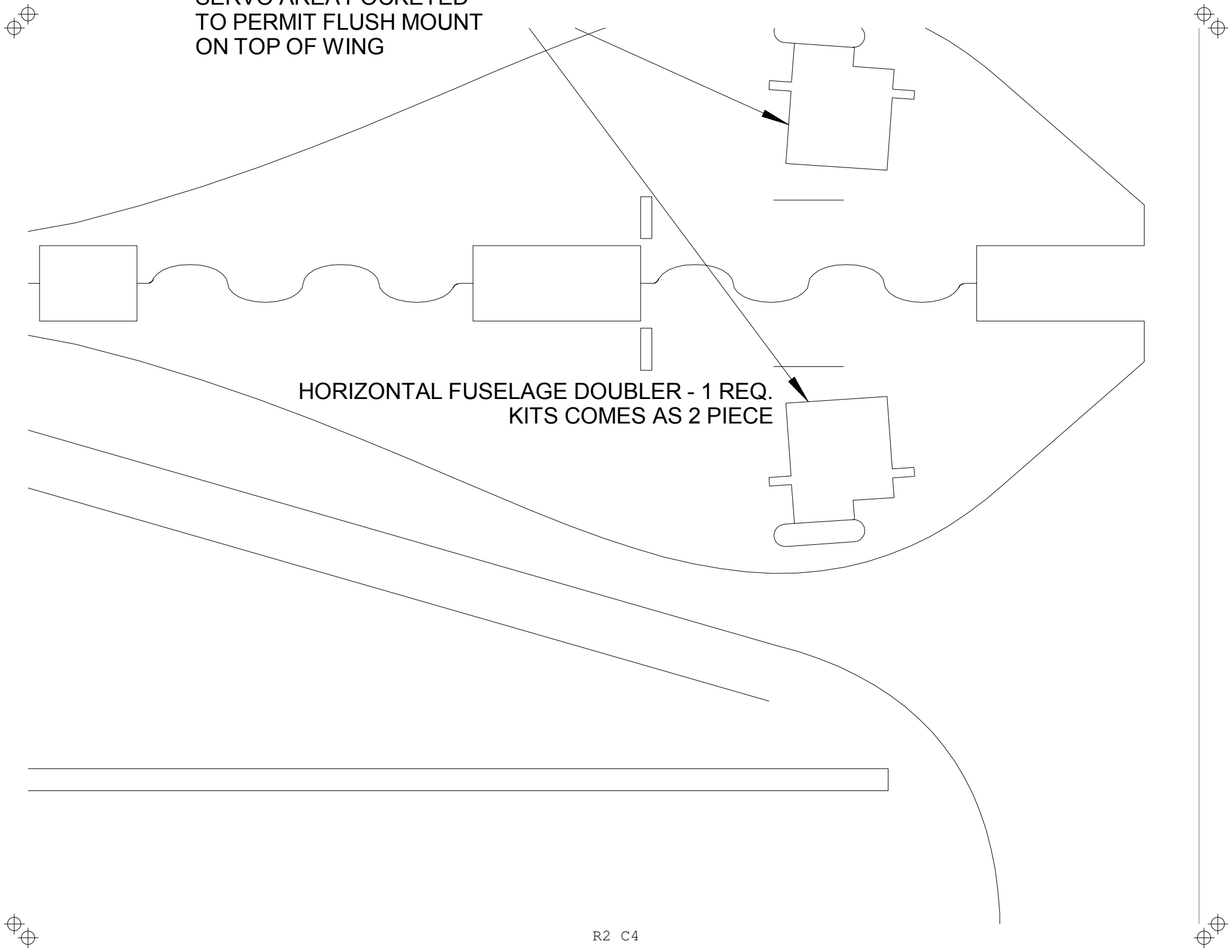
RODS - 2 REQ.

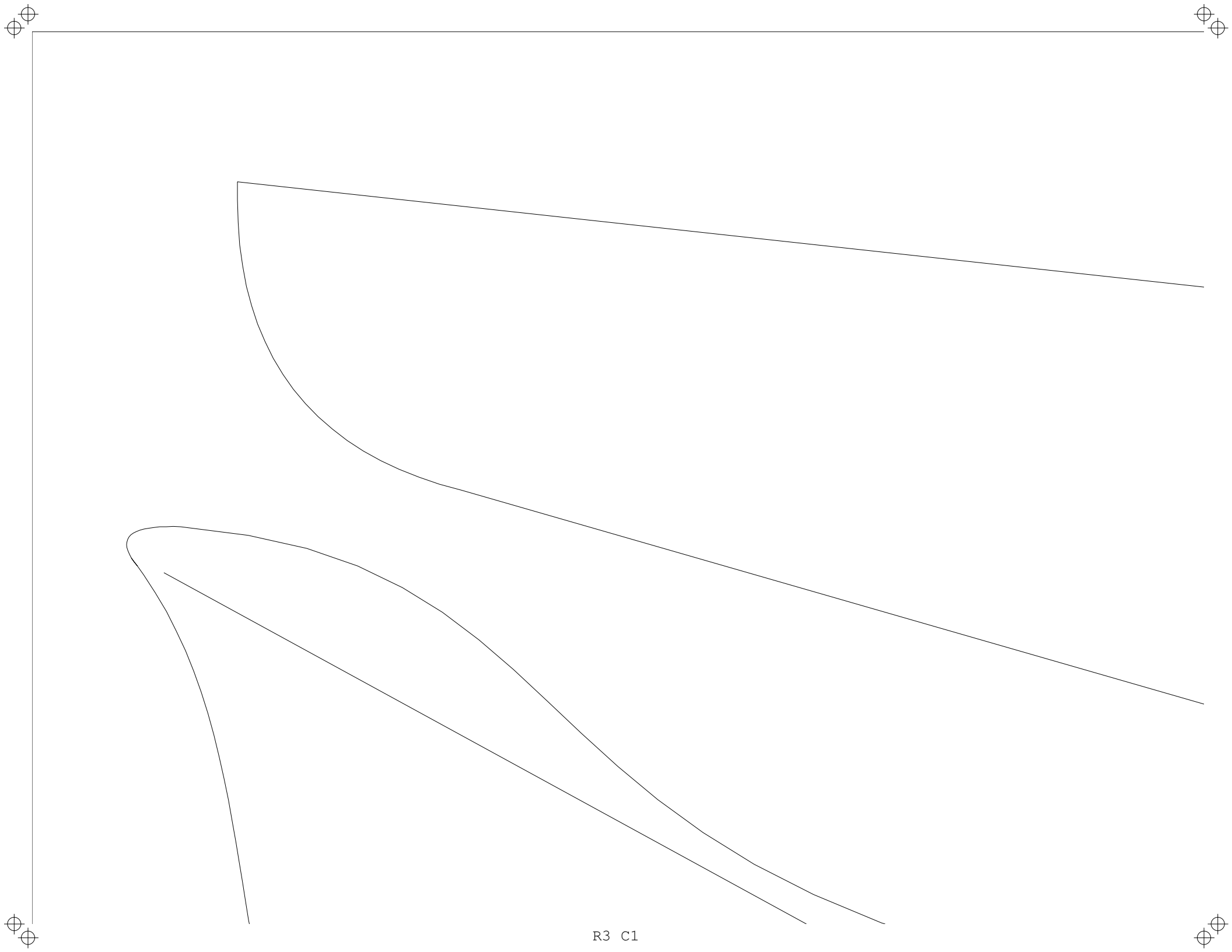


SPAR SLOT FOR 5MM CARBON FIBER
TUBE 30" LONG.

SERVO AREA SOCKETED
TO PERMIT FLUSH MOUNT
ON TOP OF WING

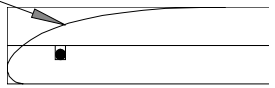
HORIZONTAL FUSELAGE DOUBLER - 1 REQ.
KITS COMES AS 2 PIECE





R3 C1

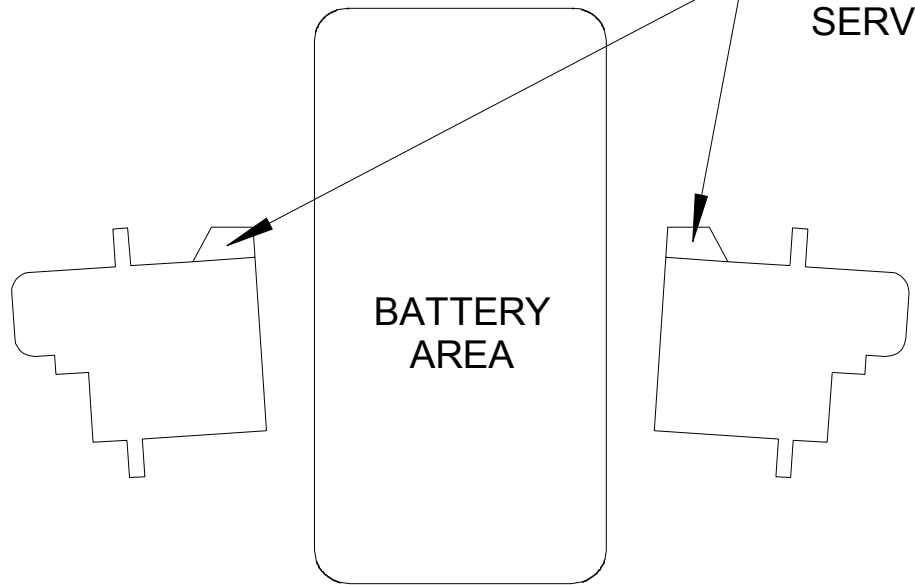
FINISH LEADING EDGE AND TIP
TO THIS CONTOUR.

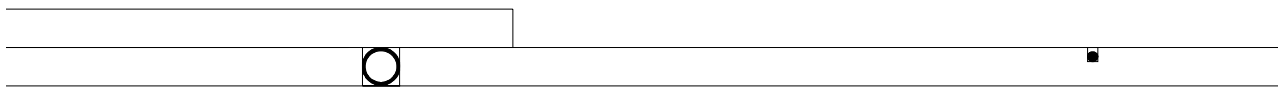


KFM
WIT
REIN

POCKETED AREA
SERVO WIRE RE

BATTERY
AREA

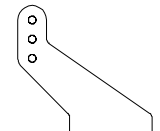
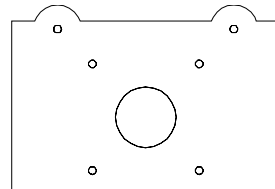
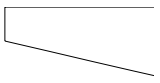


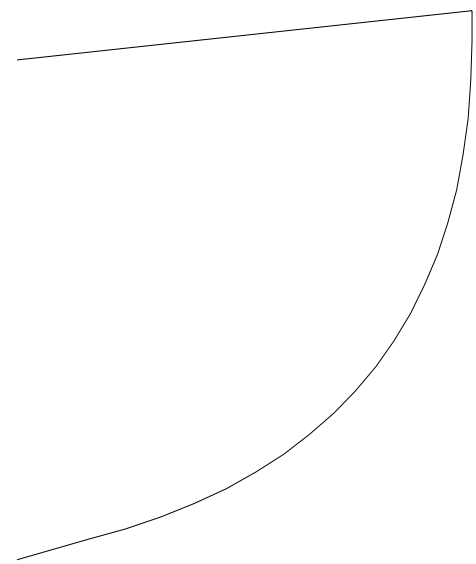


KFM2 AIRFOIL CROSS SECTION
WITH SPAR AND LE & TE CARBON
REINFORCEMENT

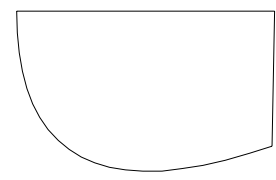
D AREA FOR
RE RELIEF

KF STEP PANEL - 1 REQ.

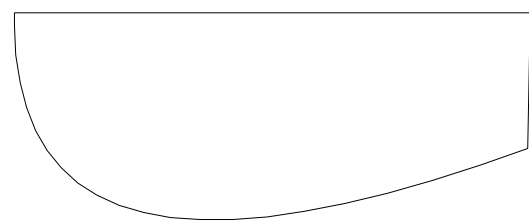




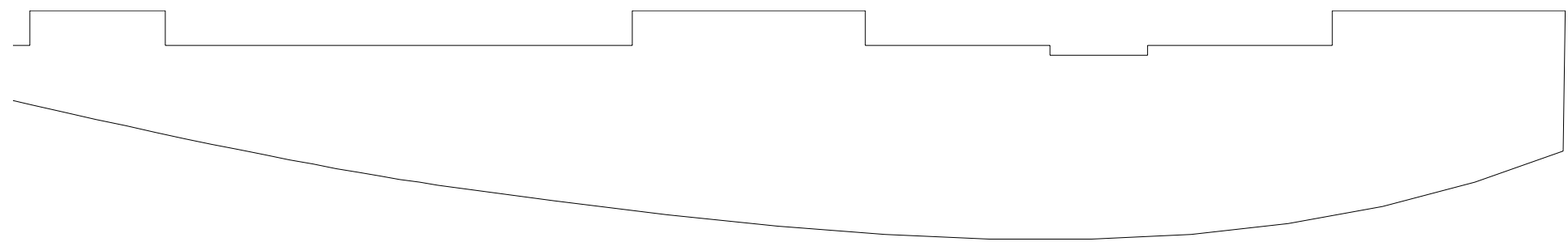
FIREWALL NOSE FILLER - 2 REQ.



FUSELAGE LOWER TRIPLER - 2 REQ.



FUSELAGE LOWER DOUBLER - 2 REQ.



SERVO AREA POCKETED
TO PERMIT FLUSH MOUNT
ON TOP OF WING



R3 C4

