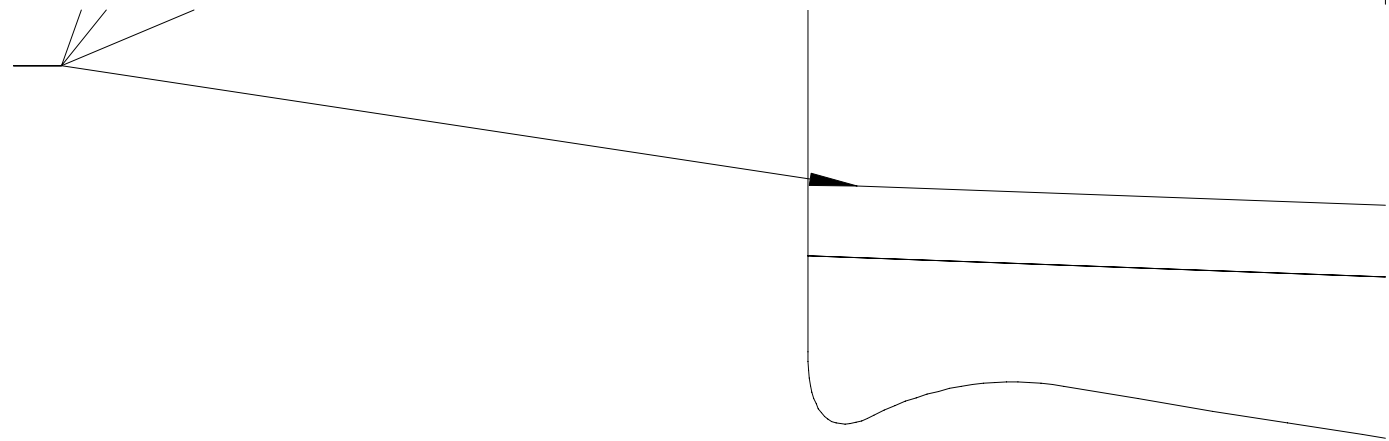
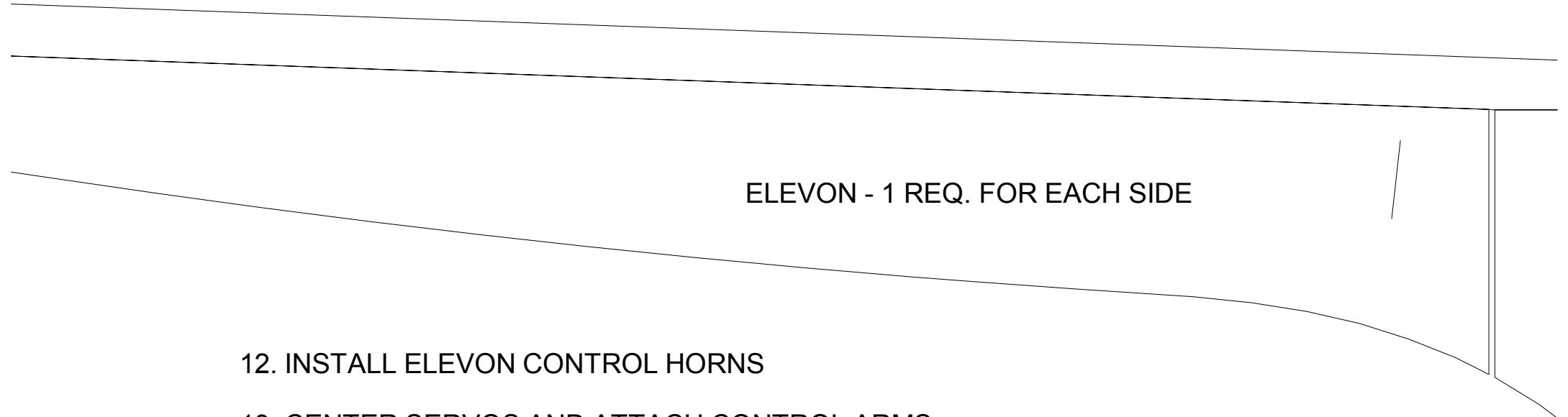


.051" CARBON FIBER ROD
REINFORCEMENT - TWO 1 METER
STICKS REQUIRED



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 PLANS
6. WING GRAPHICS MAY BE PAINTED OR APPLIED AT THIS TIME, THEN APPLY LEADING EDGE REINFORCEMENT
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 PIECE)
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 CONNECTOR

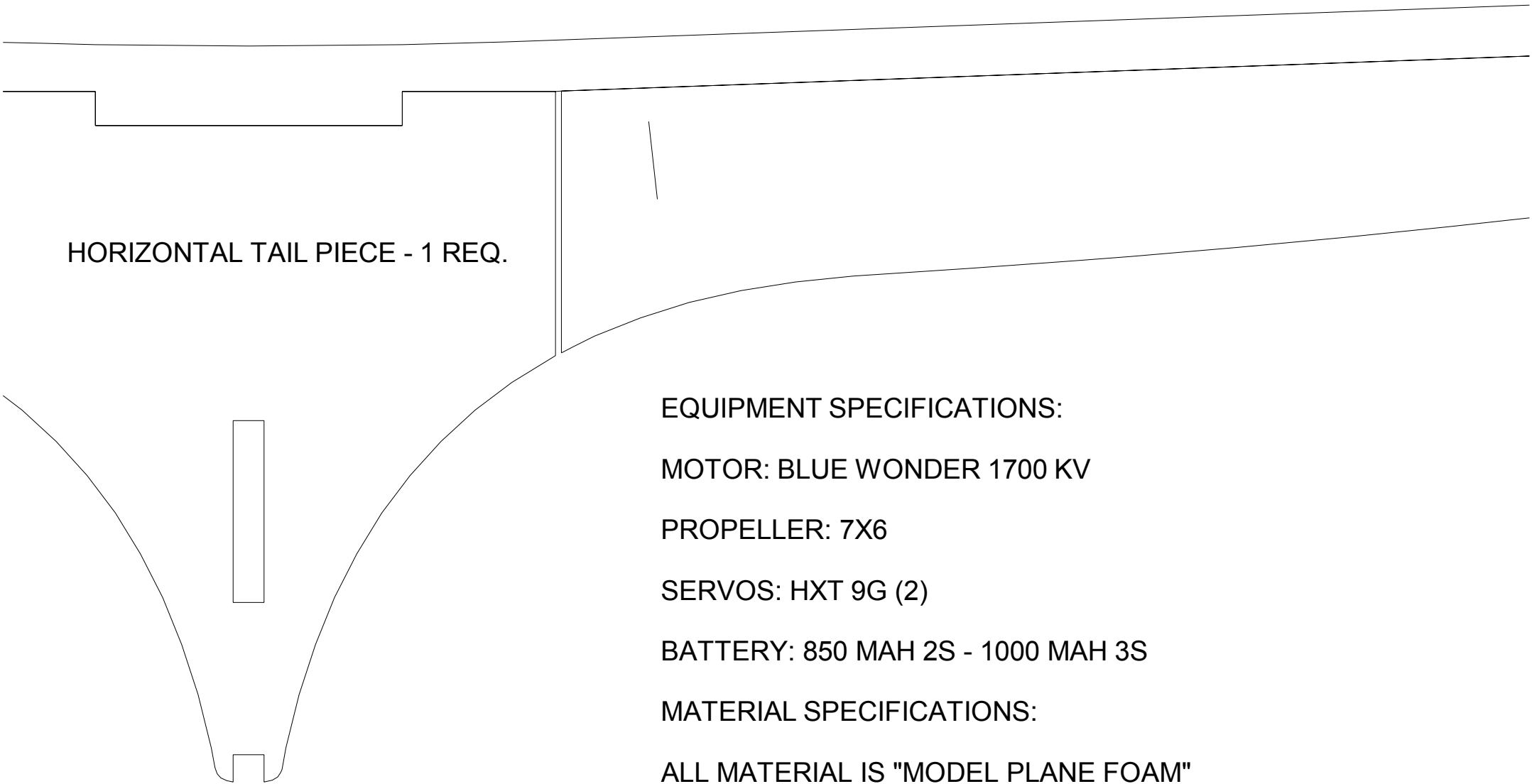
16. INSTALL MOTOR, ESC, AND RECEIVER

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 ROOT

20. PUT ON 20' OF 1" WIDE CREPE PAPER STREAMER WITH A PIECE OF TAPE AND GO GET SOME VIC



HORIZONTAL TAIL PIECE - 1 REQ.

EQUIPMENT SPECIFICATIONS:

MOTOR: BLUE WONDER 1700 KV

PROPELLER: 7X6

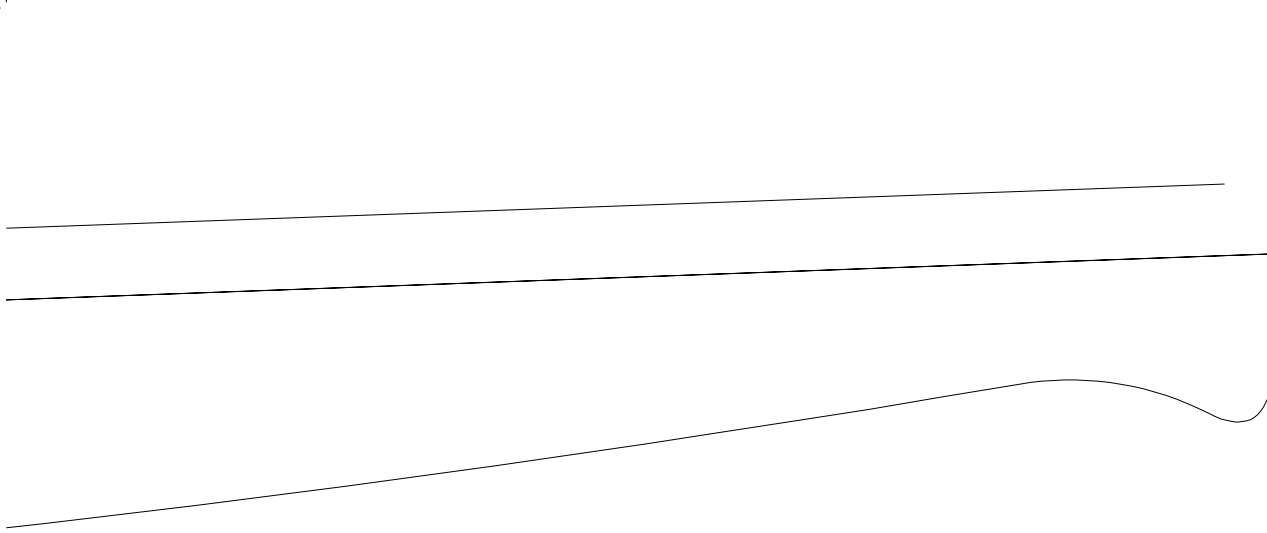
SERVOS: HXT 9G (2)

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"

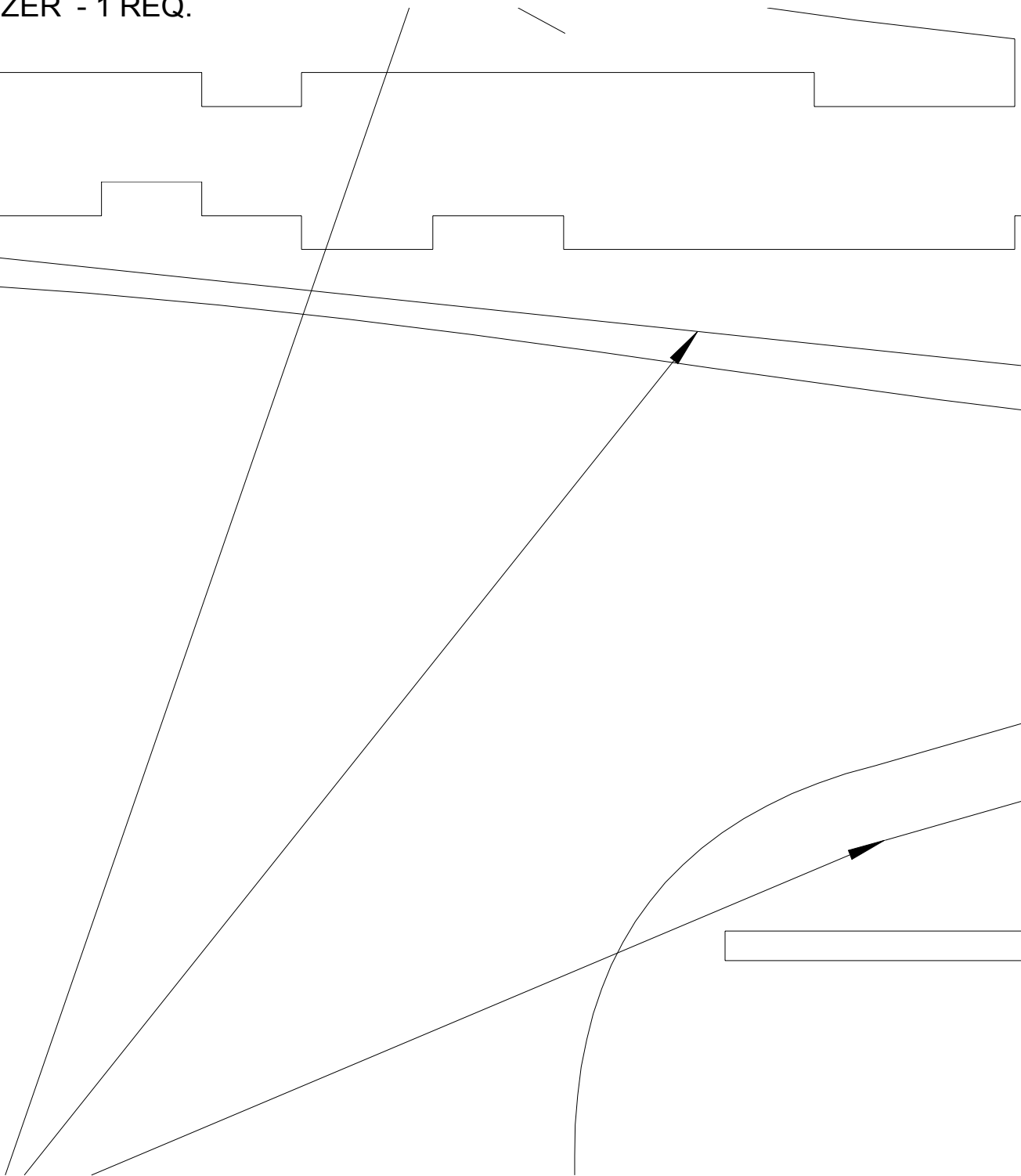
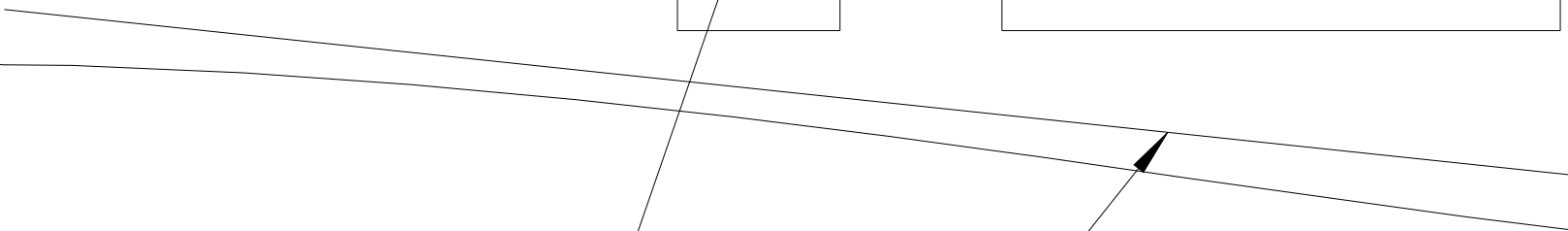
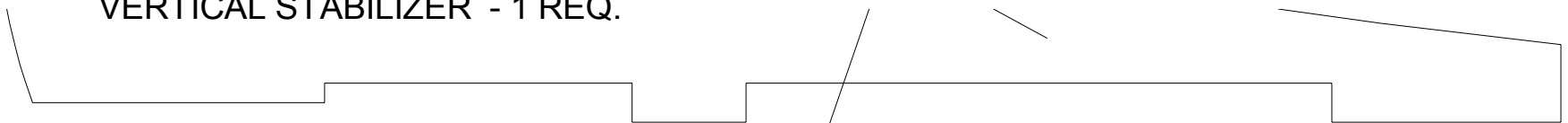
WING AREA: 236"

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

FOR NON COMMERCIAL USE ONLY

RELEASED 16-MAR-2013

VERTICAL STABILIZER - 1 REQ.



.051" CARBON FIBER ROD
REINFORCEMENT - TWO 1 METER

R2 C1

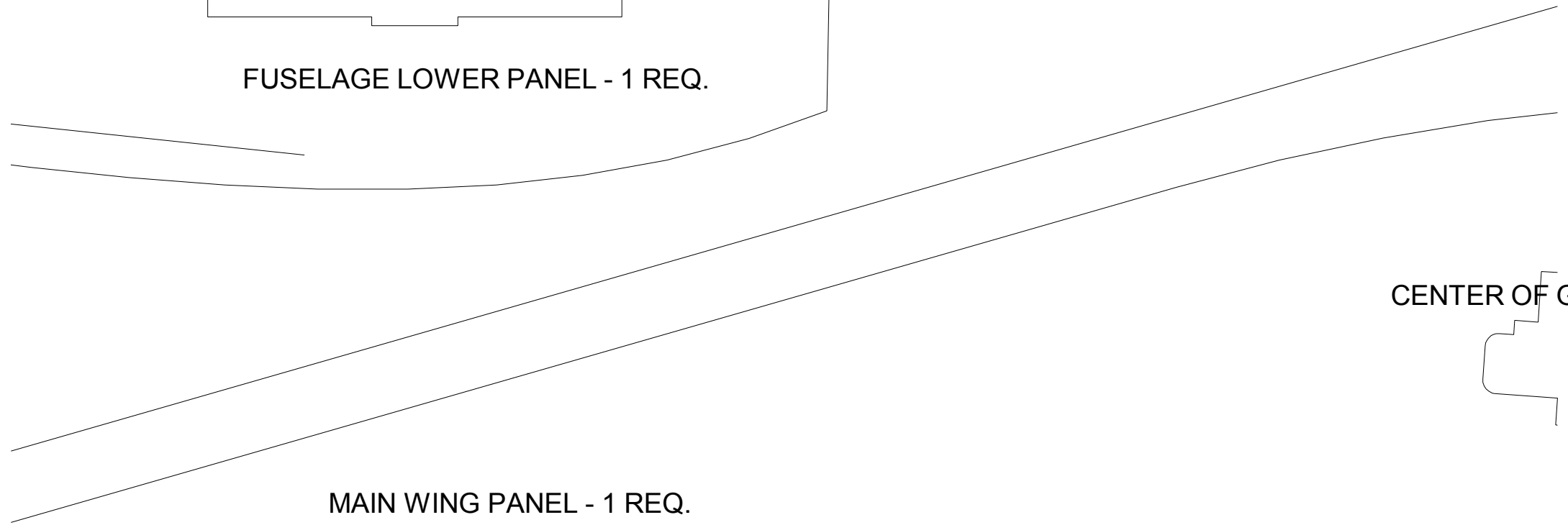




.032" MUSIC WIRE PUSHRODS - 2 REQ.



FUSELAGE LOWER PANEL - 1 REQ.



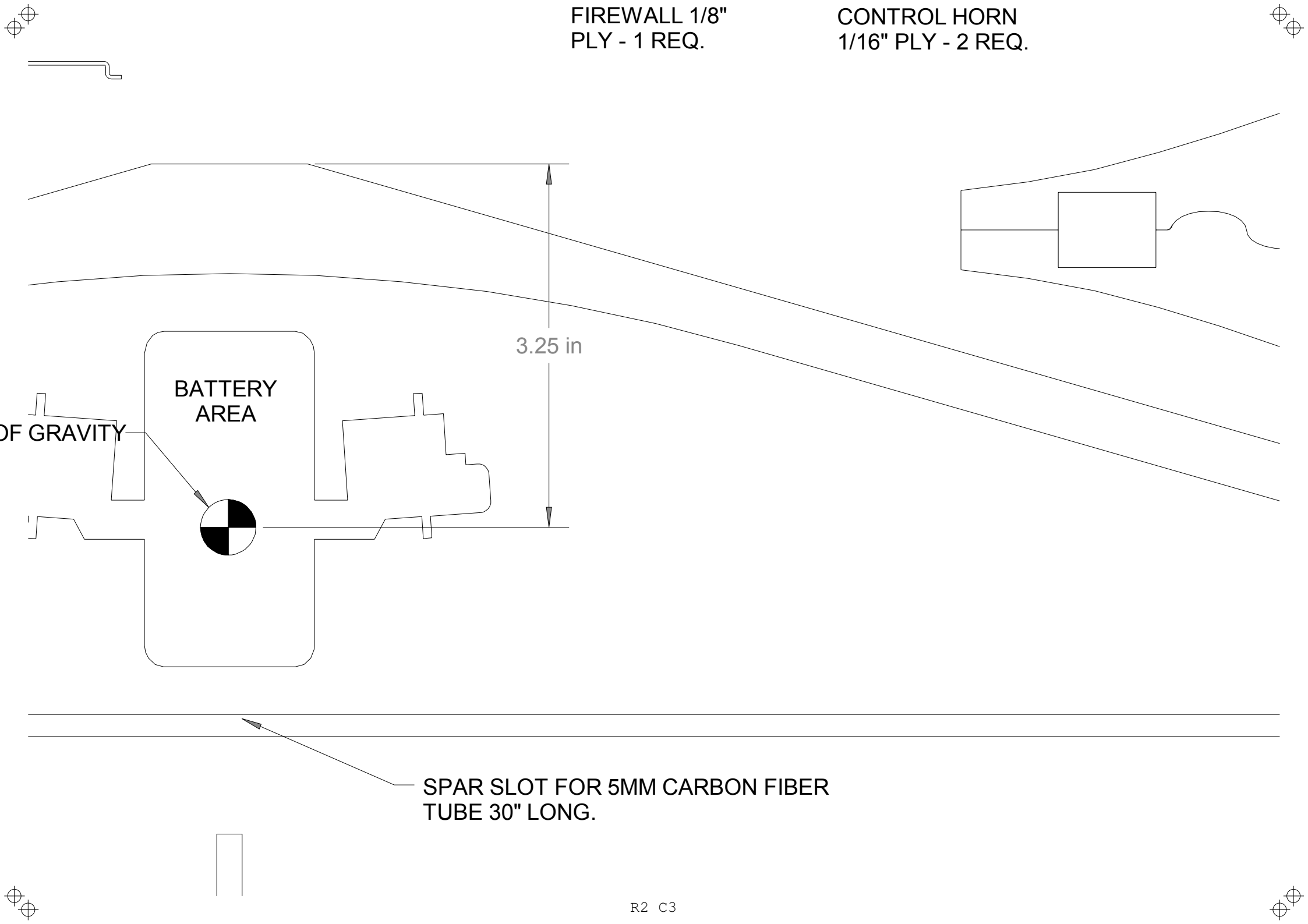
MAIN WING PANEL - 1 REQ.

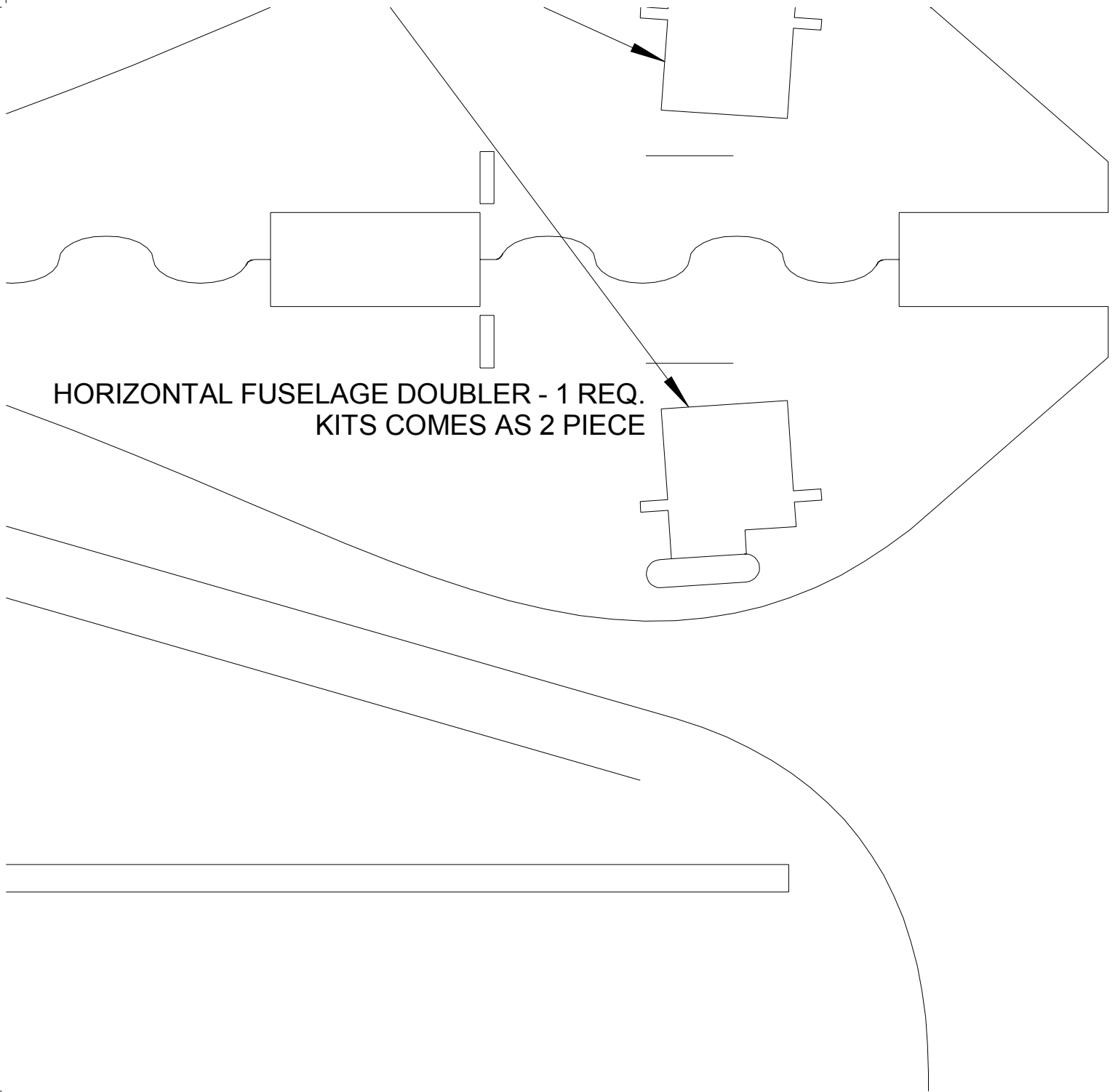
CENTER OF GR



FIREWALL 1/8"
PLY - 1 REQ.

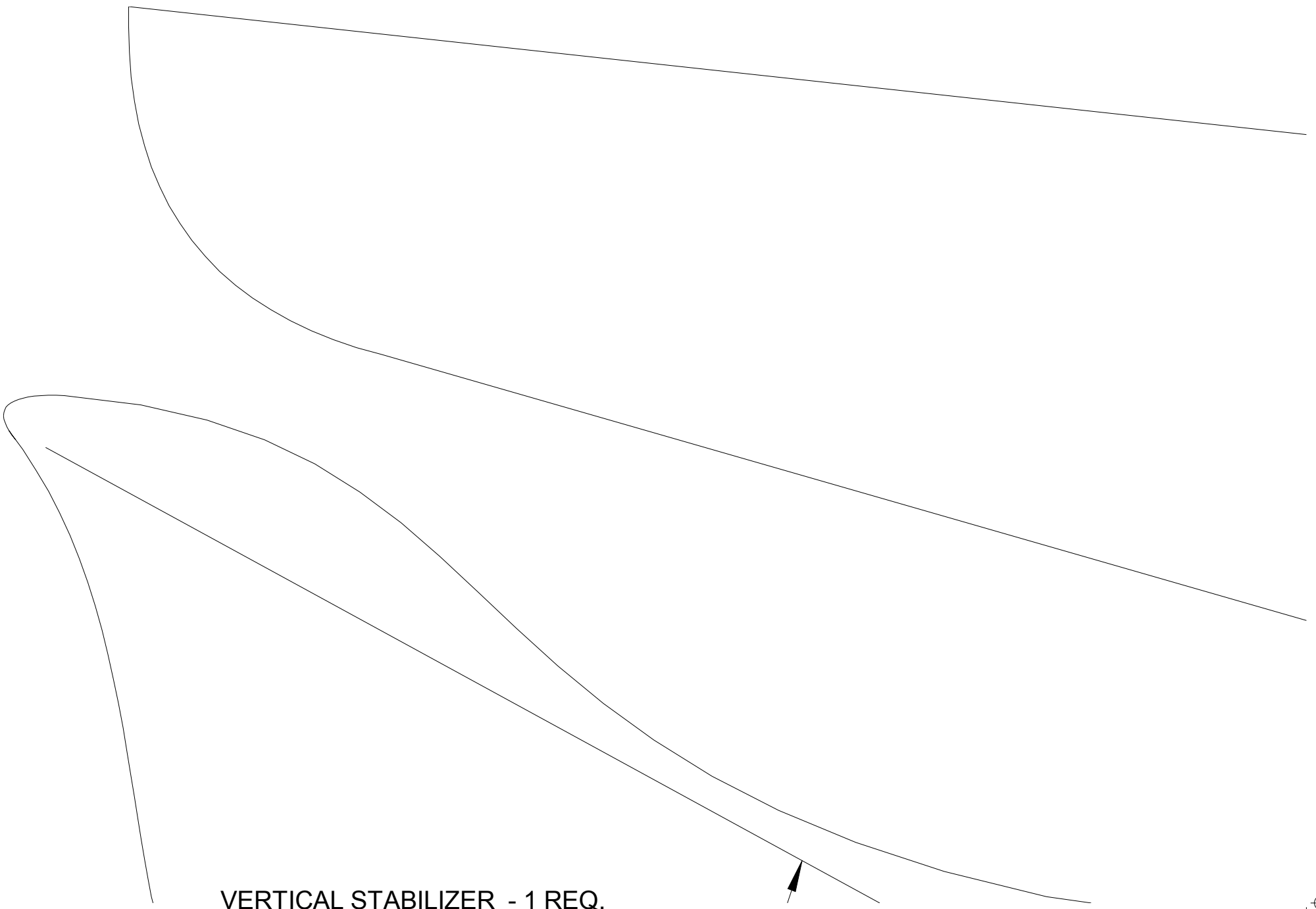
CONTROL HORN
1/16" PLY - 2 REQ.





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



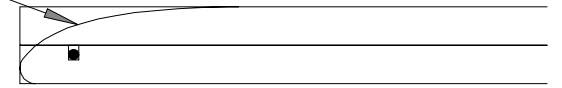


VERTICAL STABILIZER - 1 REQ.

R3 C1



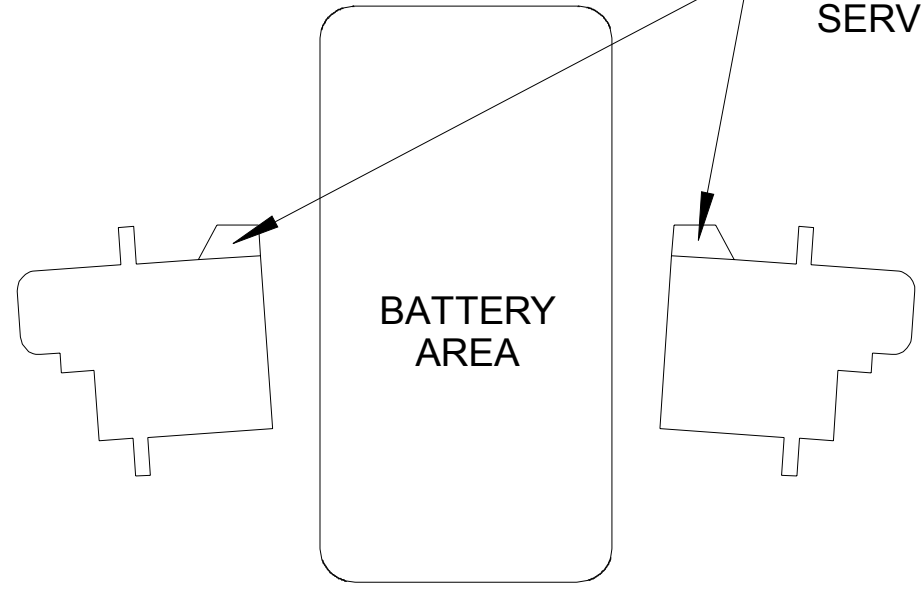
FINISH LEADING EDGE AND TIP
TO THIS CONTOUR.



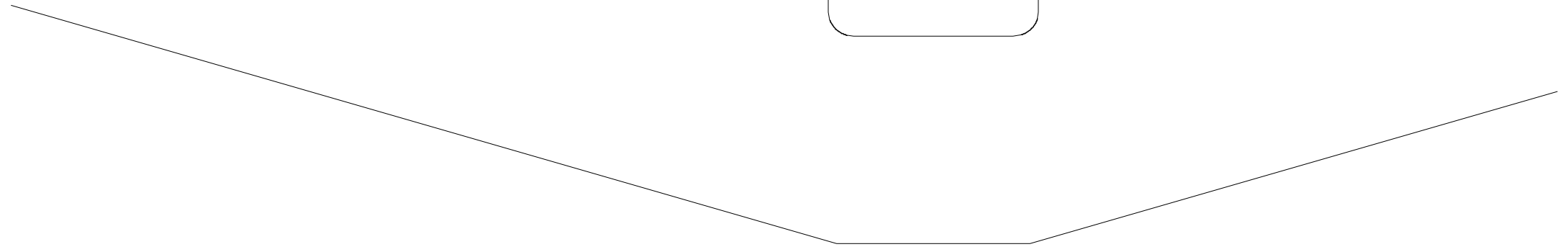
KFM2 AIRFOIL CROSS
SECTION WITH SPAR AND LEADING
EDGE REINFORCEMENT



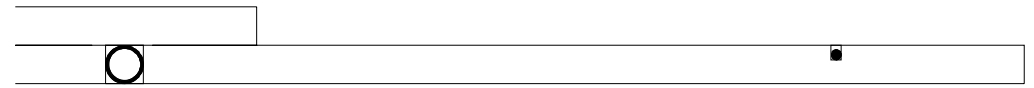
POCKETED AREA FOR
SERVO WIRE RELIEF



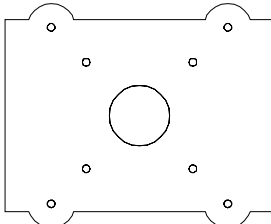
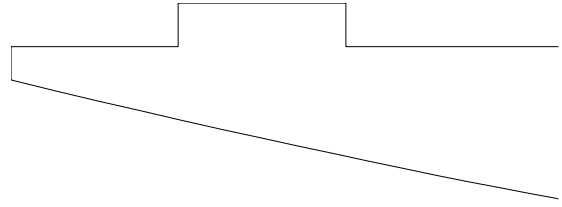
BATTERY
AREA



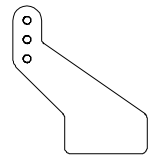
L CROSS SECTION
AND LE & TE CARBON
MENT



KF STEP PANEL - 1 REQ.



FIREWALL 1/8"
PLY - 1 REQ.

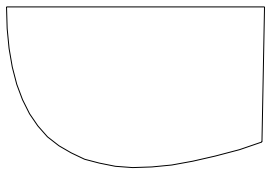


CONTROL HORN
1/16" PLY - 2 REQ.

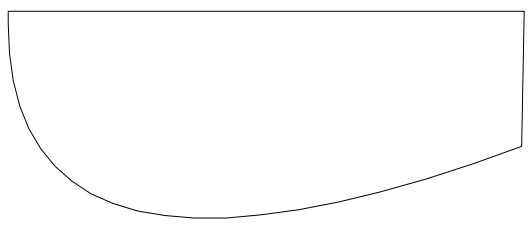
SERVO A
TO PERM
ON TOP C



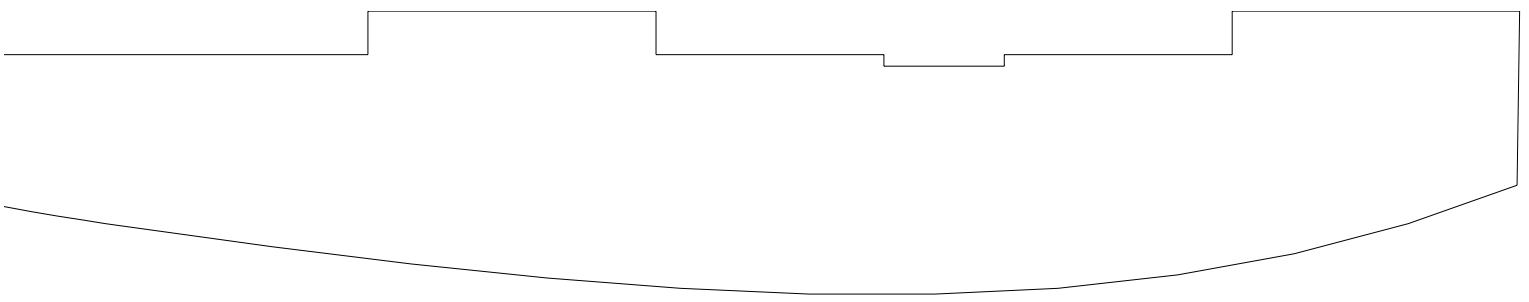
FIREWALL NOSE FILLER - 2 REQ.



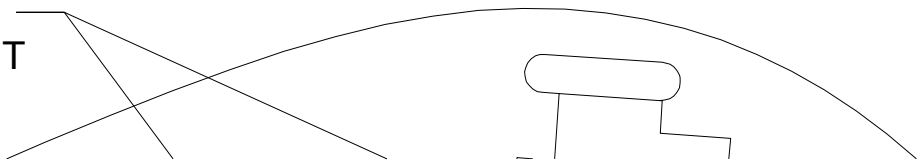
FUSELAGE LOWER TRIPLER - 2 REQ.



FUSELAGE LOWER DOUBLER - 2 REQ.



RVO AREA POCKETED
PERMIT FLUSH MOUNT
TOP OF WING



R3 C4





R4 C1



FINISH LEADING EDGE AND TIP
TO THIS CONTOUR.

R4 C2





R4 C4

