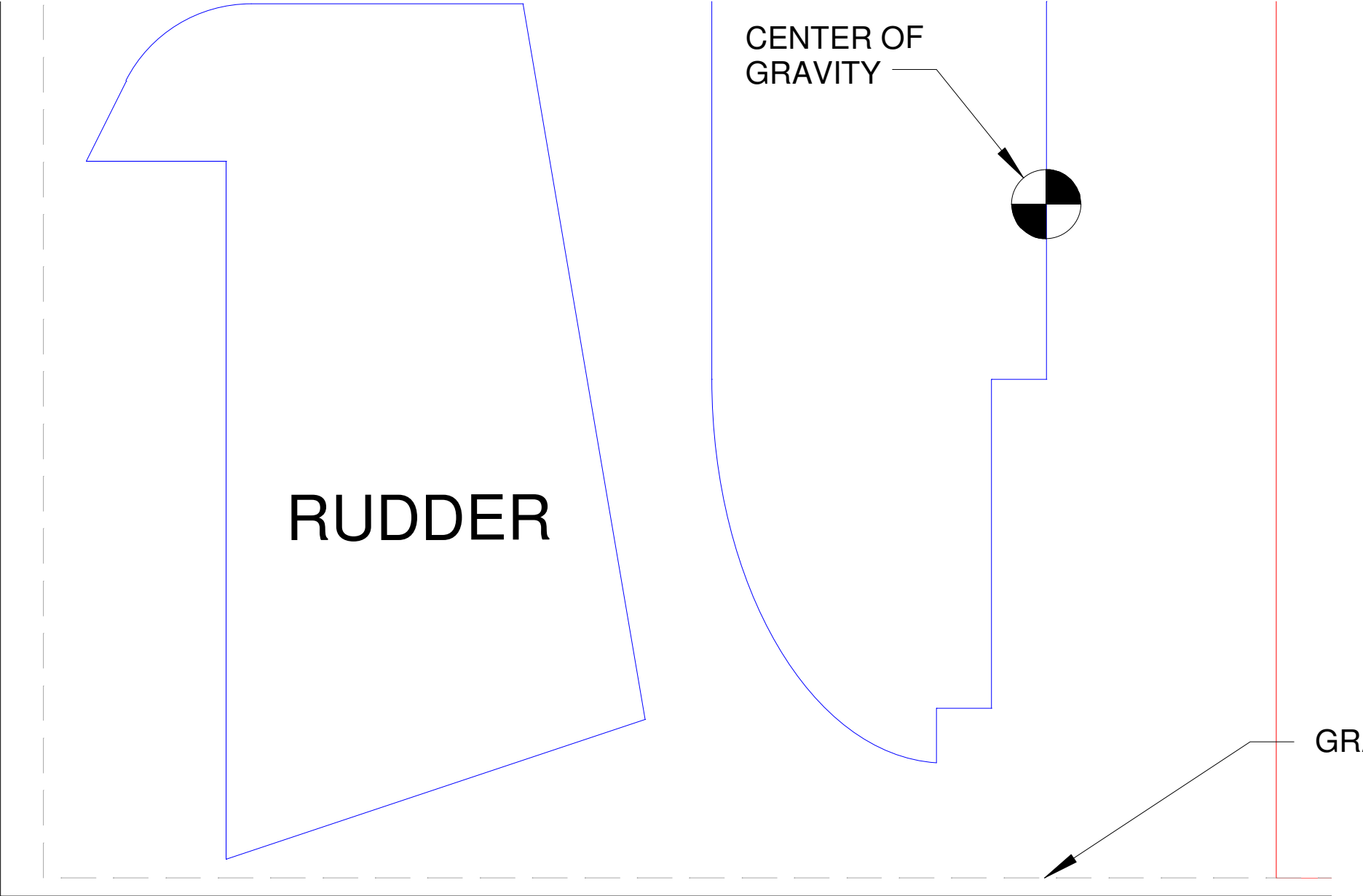
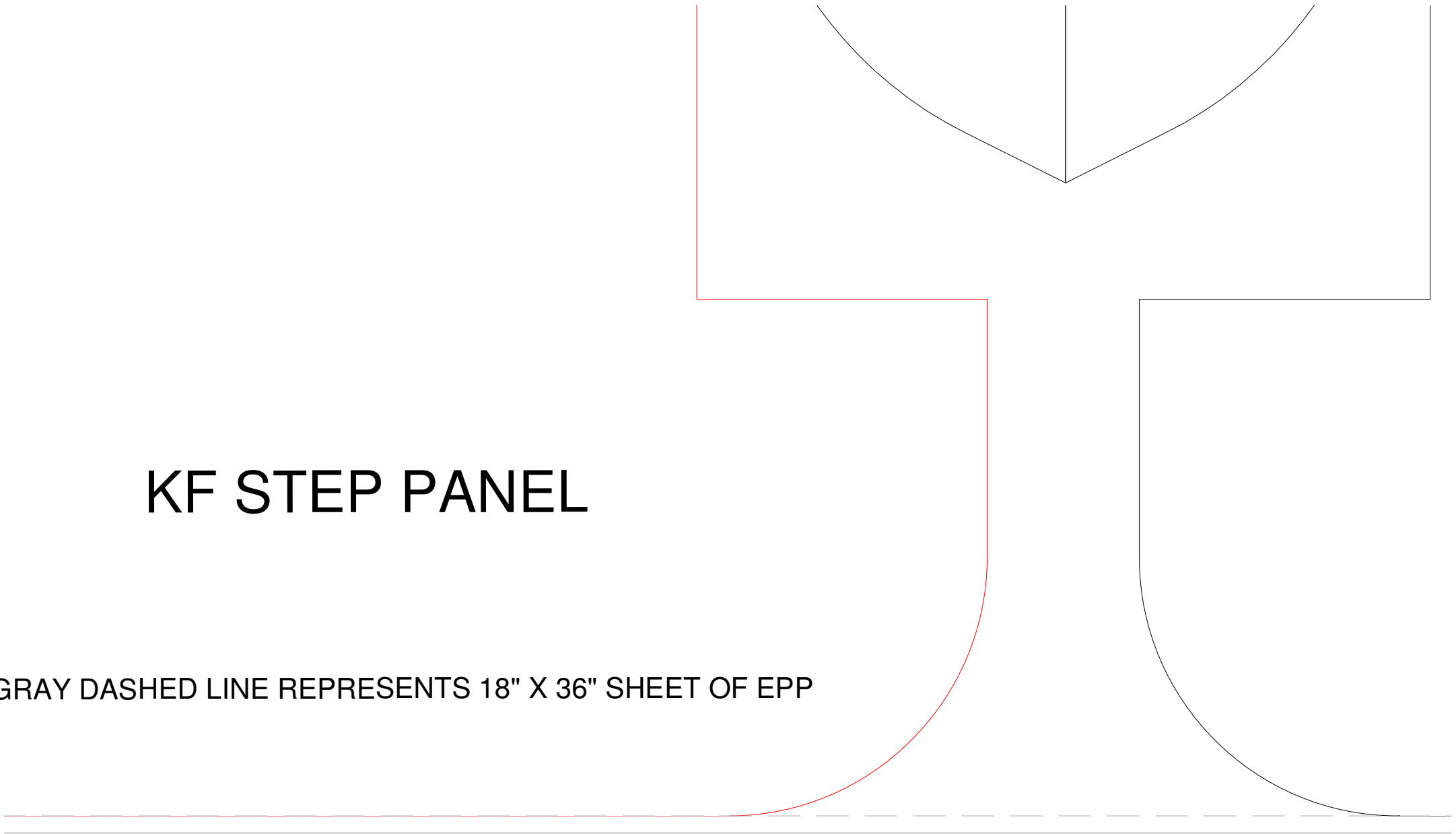




# KF STEP PANEL

GRAY DASHED LINE REPRESENTS 18" X 36" SHEET OF EPP



1 sheet 18 x 36 1.3# 6mm epp foam.  
1/16" (1.5mm) carbon rod for control rods.  
1/8" x 14" carbon tube for leading edge/prop protector  
1/32 music wire for control rod ends and wire hoop skids.  
Hot glue  
Welders glue  
3M Spray 77  
Paint

#### Hardware Required:

24 gram motor: Blue Wonder motor - 1500kv  
Motor mount  
Prop: GWS 8x4 HD  
Prop saver  
ESC  
Servos: 3 - 5 gram servo  
Receiver  
Control horns 3 pieces  
EZ connectors 3 pieces  
Battery: 2s 360 battery

Wingspan: 18"

Length: 18"

AUW with a 2s 360 battery is 189 grams or about



Designed by Leadfeather on RCGroups.com  
CAD by Dz1sfb on RCGroups.com

29-MAY-2009 - Change A - Added flat to fuselage  
to accept optional horizontal stabilizer.

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about 6.7 oz.

elage



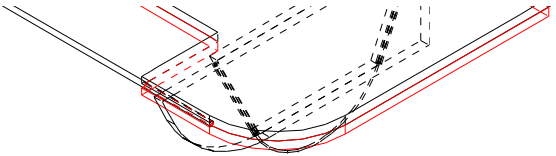
FUSELAGE

INNER LANDING SKID

INNER L

## OUTER LANDING SKID

## OUTER LANDING SKID



7. Hook up electrics, check operation, center servos
8. Install electrics
9. Install control rods and horns
10. Install leading edge tube
11. Install wire hoop landing gear

For the maiden flight:

Check cg and control movements

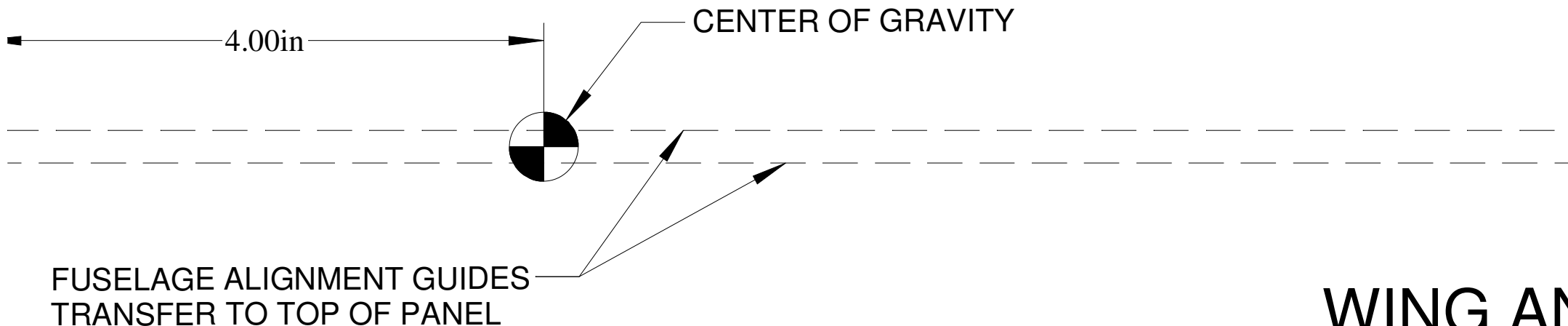
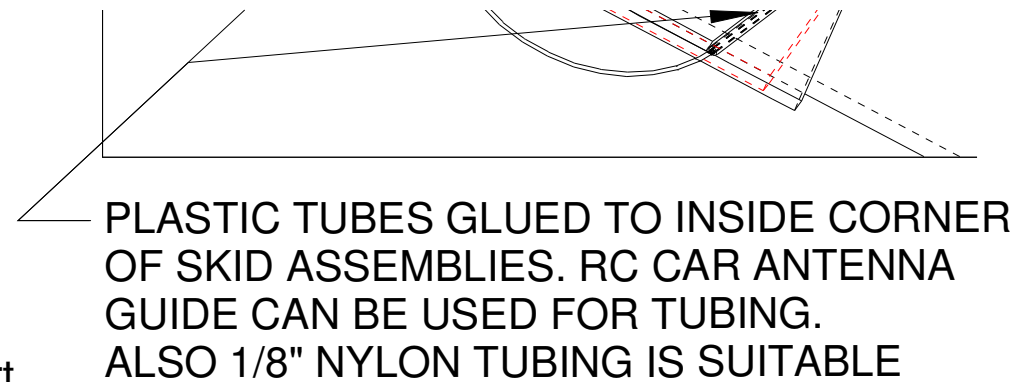
I use +/- 45 degrees and 75% expo on all surfaces to start

Elevons should be slightly up; 1/16" or 1/8", rudder straight

Launch nose high, about 45 degrees and 1/3 throttle. It should float away and climb slowly.

Trim cg and controls as required.

And don't forget the most important thing - Have fun!



## Parts list

1 sheet 18 x 36 1.3# 6mm epp foam.  
1/16" (1.5mm) carbon rod for control rods

## Specifications:

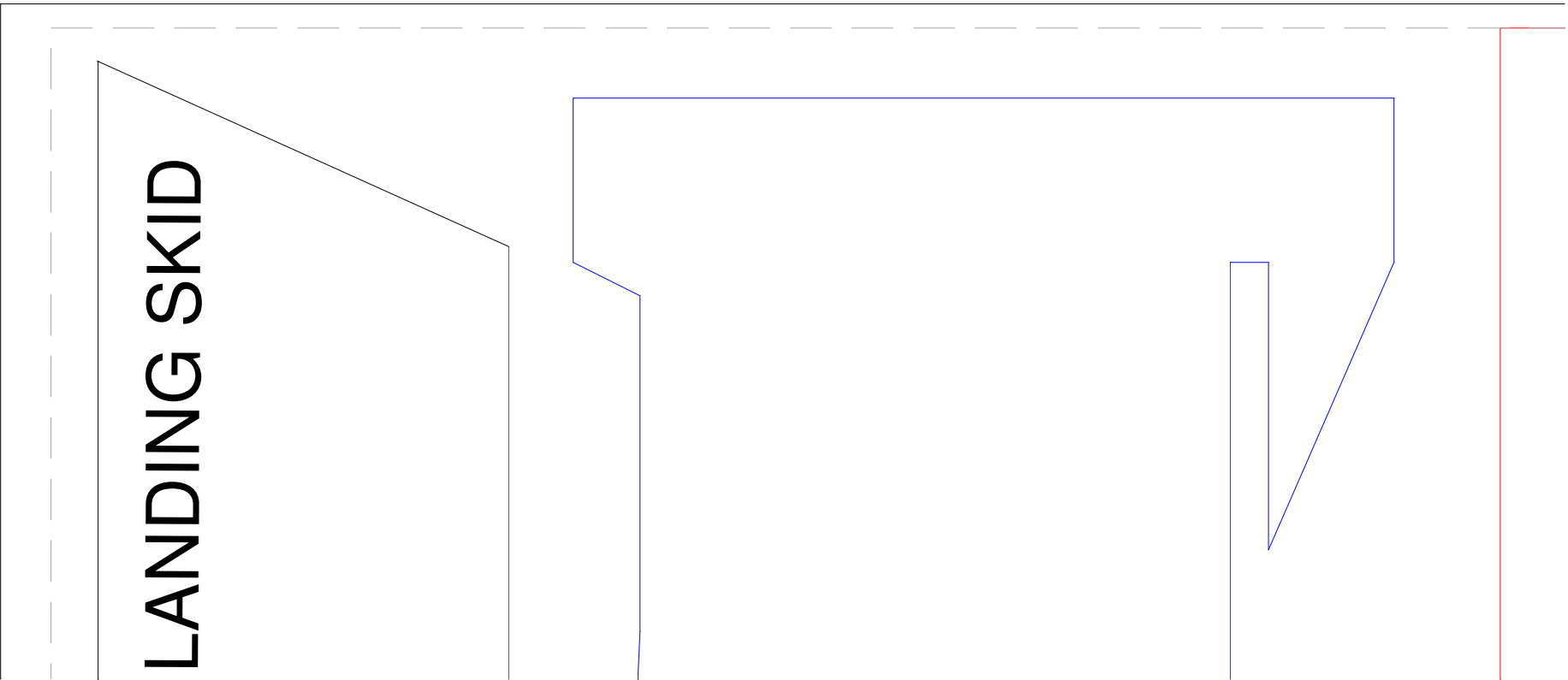
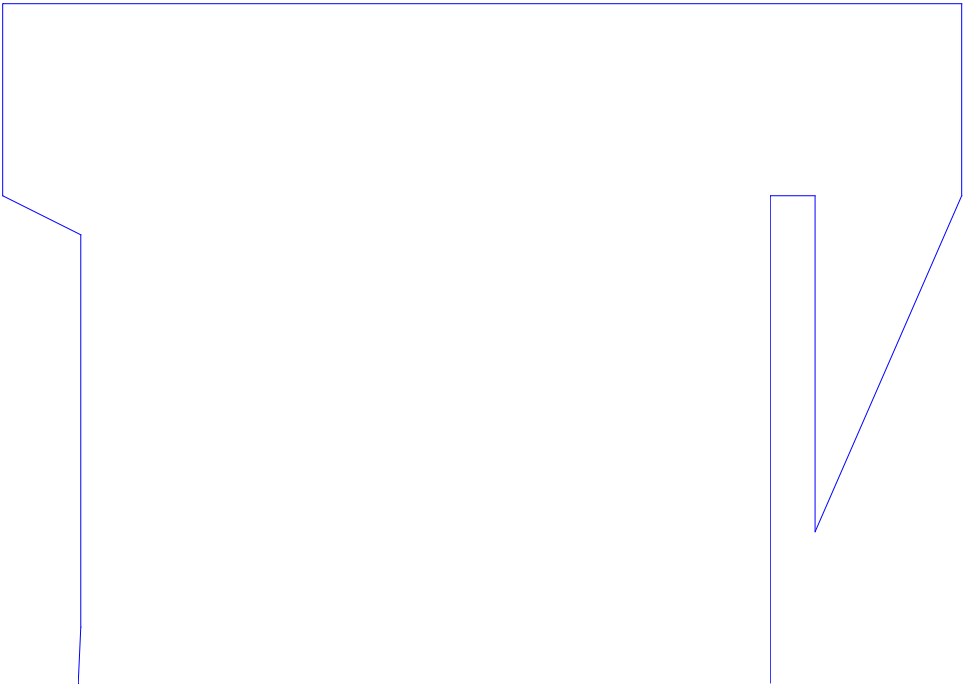
Wingspan: 18"  
Length: 18"

NER  
A

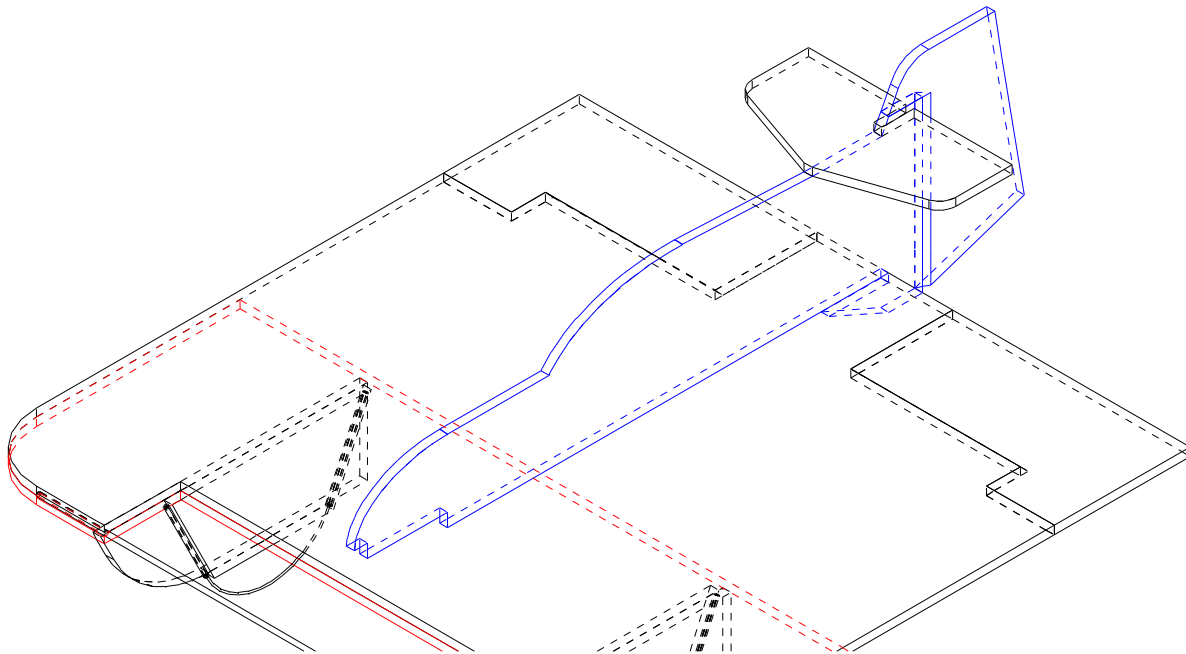
WIRE WAS USED FOR  
THIS ON THE PROTOTYPE.

AND ELEVON PANEL

R LANDING SKID



SHOWN WITH OPTIONAL HORIZONTAL STABILIZER

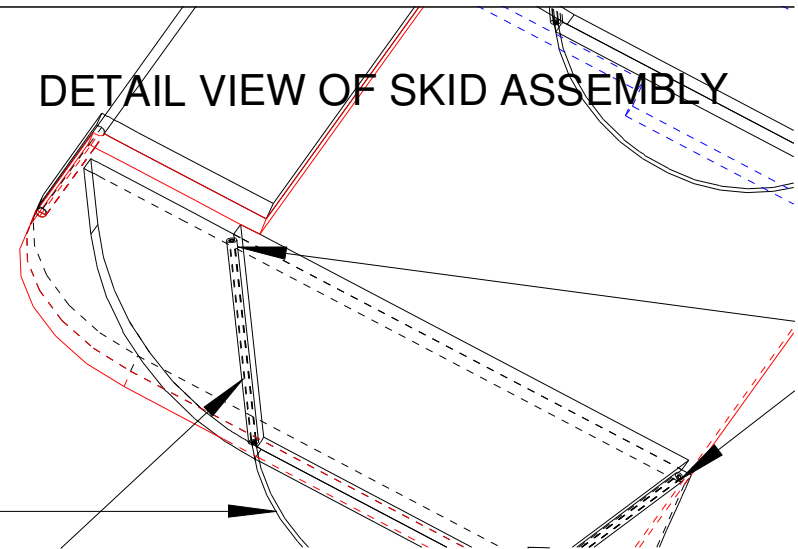


Here is a guide to building the PbF.

1. Cut all foam pieces
2. Hinge all control surfaces
3. Laminate lower KF piece
4. Optional: do your cool paint job now
5. Install fuselage
6. Install foam skid assemblies
7. Hook up electrics, check operation, center servos
8. Install electrics

LANDING GEAR IS .032" MUSIC WIRE 9-3/4" LONG - 2 PIE  
FLEX BOTH ENDS OF WIRE AND INSERT INTO TUBES.  
SPRING TENSION HOLDS WIRE IN PLACE.

DETAIL VIEW OF SKID ASSEMBLY



2 PIECES REQ.  
ES.



**NOTE: PLUGS REQUIRED**

THERE IS A 1/4" LONG PLUG  
IN THE END OF THE LANDING  
GEAR TUBES TO ACT AS  
WIRE STOPS. A PIECE OF  
WIRE WAS USED FOR  
THIS ON THE PROTOTYPE.