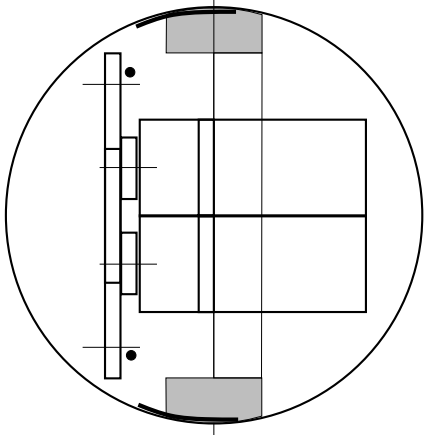
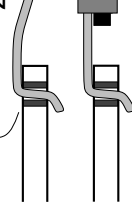


Six wraps of  
around bulkhead  
to transfer t  
to wing bolts

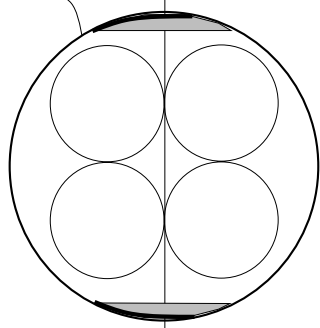
1/4" x 1/2"  
basswood  
side rails

Sna

1/16" brass tube  
soldered to pushrod



4 layers  
1.7 oz Kevlar



# Bubble-Dancer RES Fuselage

M.Dreia 20 Feb 02

11mm radius  
servo horns

AA NiCd  
600mAh  
3.2 oz

Hitec 555  
0.8 oz

JR341  
0.63oz

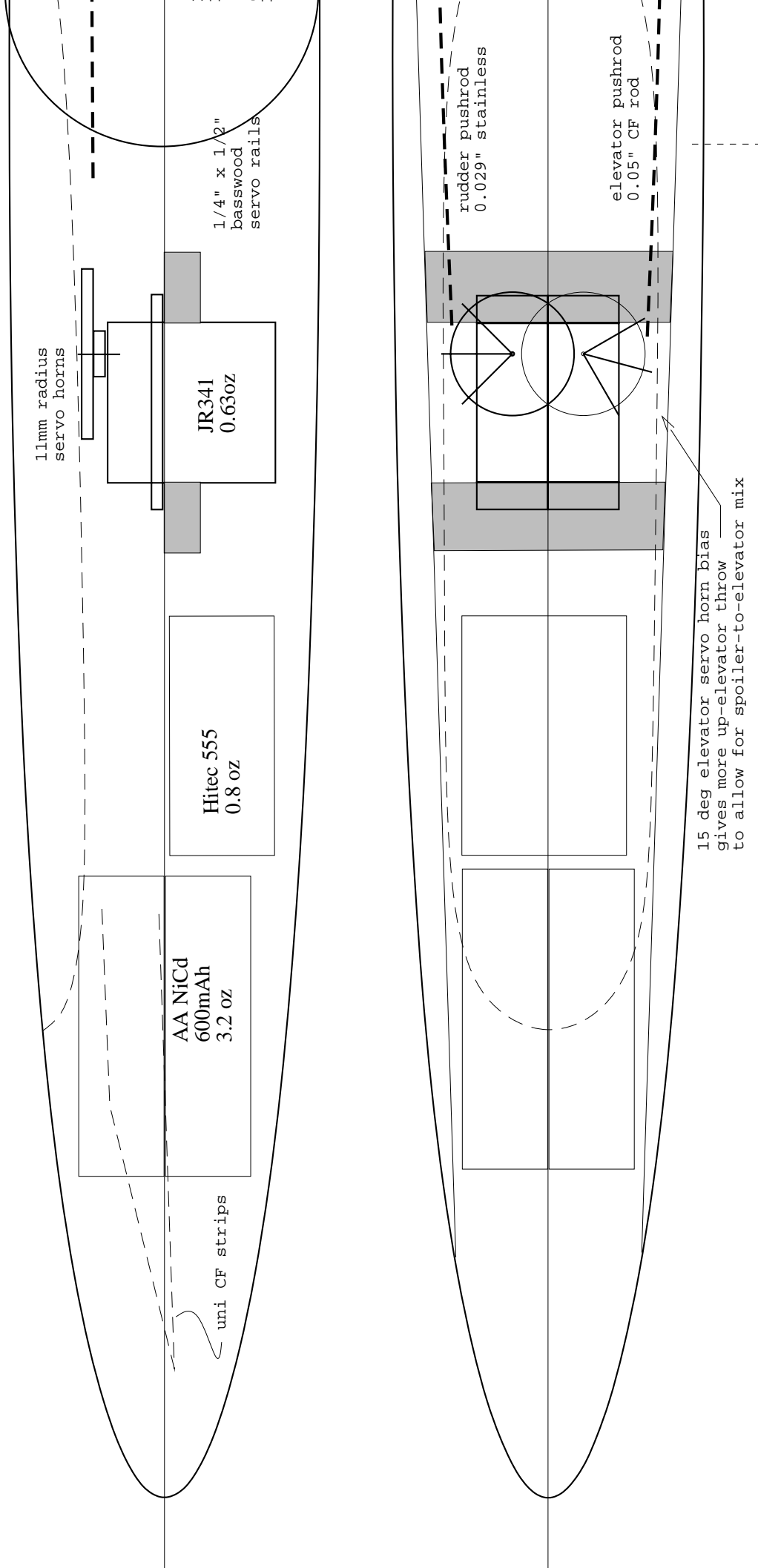
1/4" x 1/2"  
basswood  
servo rails

uni CF strips

rudder pushrod  
0.029" stainless

elevator pushrod  
0.05" CF rod

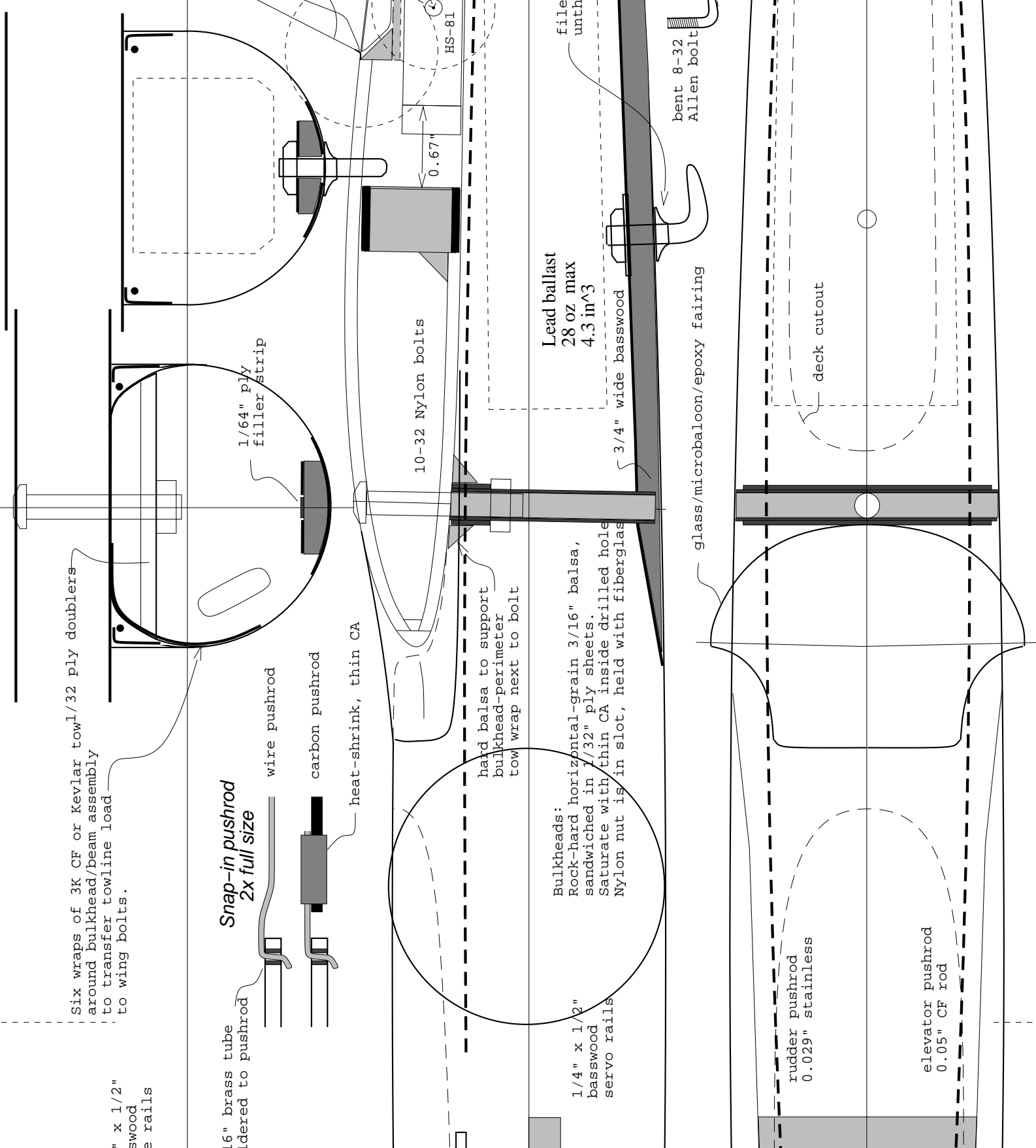
15 deg elevator servo horn bias  
gives more up-elevator throw  
to allow for spoiler-to-elevator mix



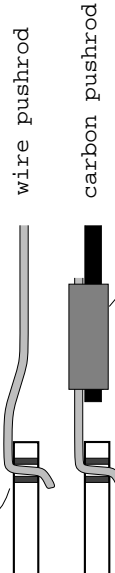
Two layers 23.5" x 0.5" 3  
laid up with Kevlar shell

Six wraps of 3K CF or Kevlar tow  
around bulkhead/beam assembly  
to transfer towline load  
to wing bolts.

1/4" x 1/2"  
basswood  
servo rails



Snap-in pushrod  
2x full size



heat-shrink, thin CA

10-32 Nylon bolts

hard balsa to support  
bulkhead-perimeter  
tow wrap next to bolt

Bulkheads:  
Rock-hard horizontal-grain 3/16" balsa,  
sandwiched in 1/32" ply sheets.  
Saturate with thin CA inside drilled hole  
Nylon nut is in slot, held with fiberglass

1/4" x 1/2"  
basswood  
servo rails

Lead ballast  
28 oz max  
4.3 in<sup>3</sup>

filed nut jammed against  
unthreaded shank

3/4" wide basswood

bent 8-32  
Allen bolt

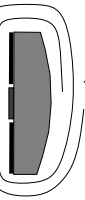
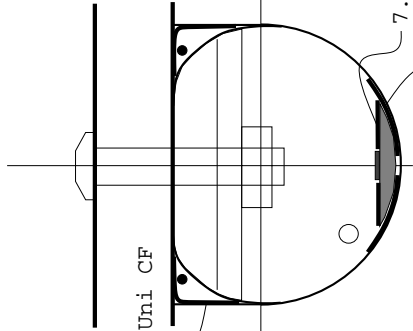
glass/microballoon/epoxy fairing

rudder pushrod  
0.029" stainless

elevator pushrod  
0.05" CF rod

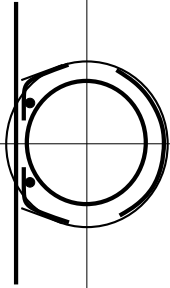
deck cutout

Two layers 23.5" x 0.5" 3oz Uni CF  
laid up with Kevlar shell



two layers 2oz bias glass  
wrapped around hook beam

7.5" x 0.3" x 0.021" prepreg CF



Two layers 12.0" x 0.5" 3oz Uni CF  
laid up with Kevlar shell

wing angle  
1.0 degree

antenna inside boom

led nut jammed against  
threaded shank

boom angle  
1.0 degree

