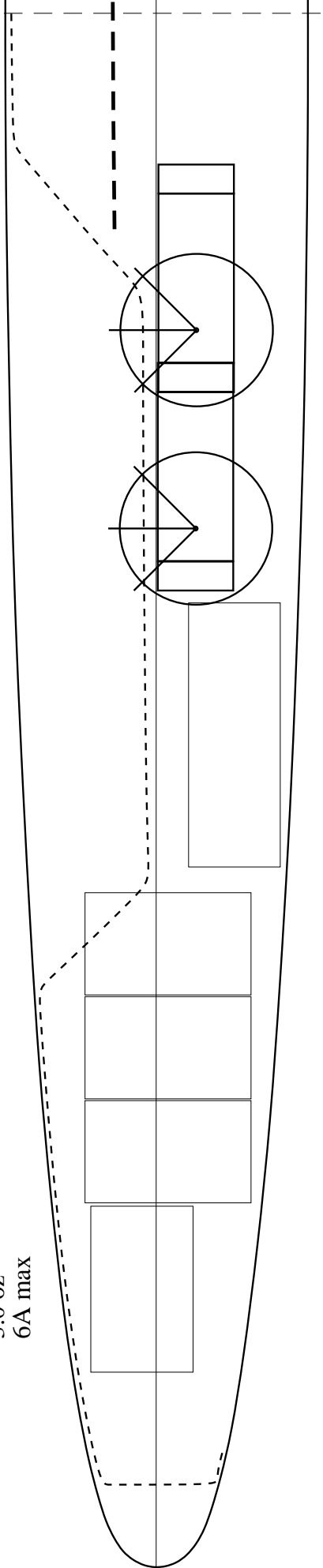


- 109g shell
- 23g nosecone
- 11g towhook
- 10g bulkheads/nuts
- 8g bolts
- 14g pushrods
- 56g boom
- 3g V-mount
- 238g TOTAL fuselage

**F3B Fuselage**  
*M.Drela 09 Sep 02*

2/3A NimH  
 1100 mAh  
 3.0 oz  
 6A max

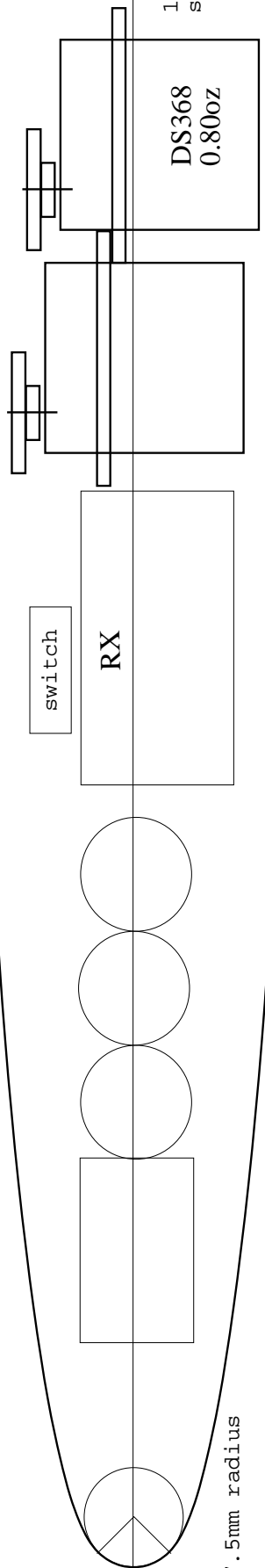
nosecone



-5

-10

-15

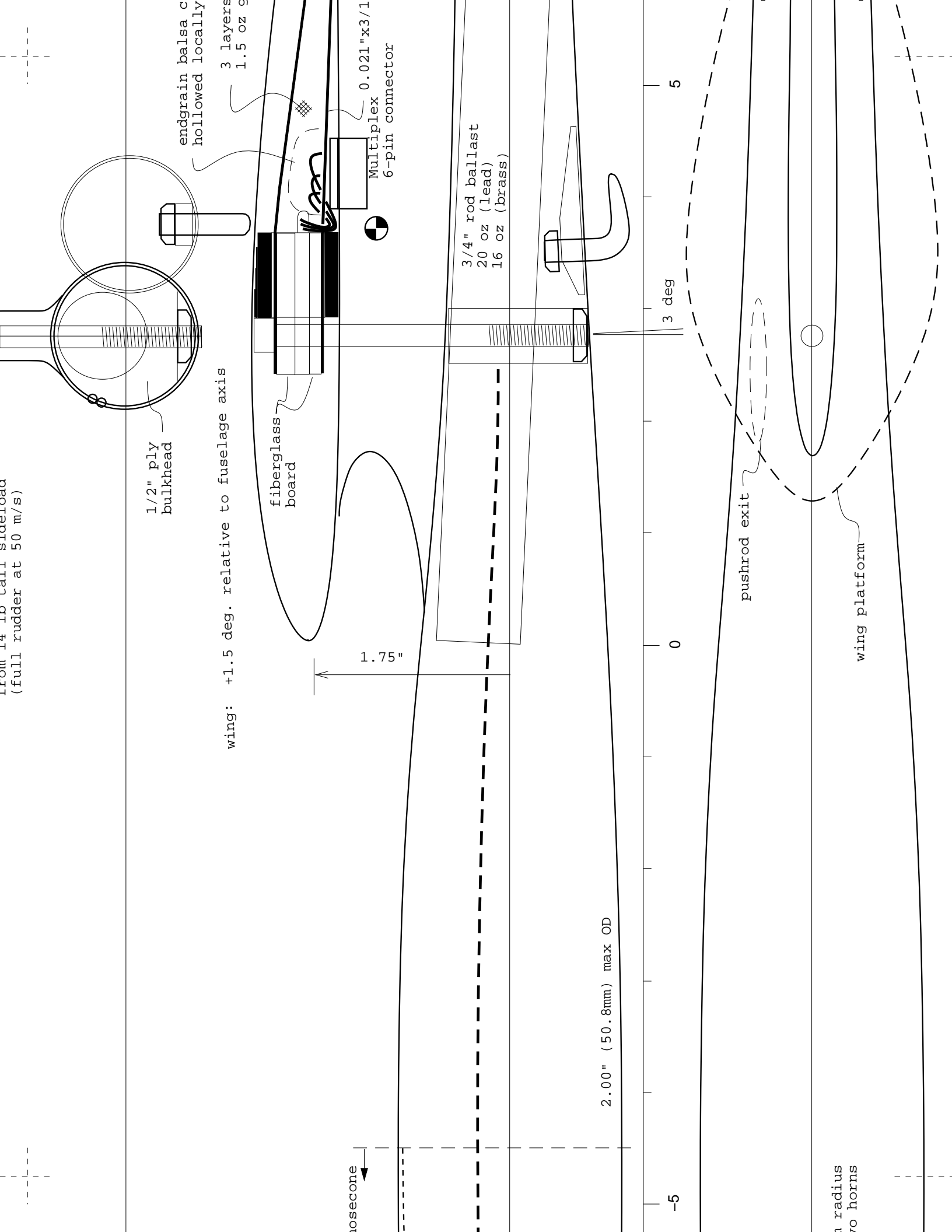


DS368  
 0.80oz

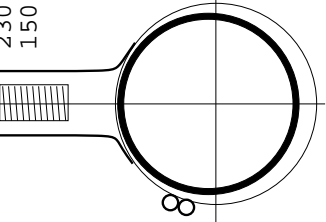
13mm radius  
 servo horns

7.5mm radius

from 1410 tail sideroad  
(full rudder at 50 m/s)



230 lb shear strength  
150 lb tensile strength



strain balsa core,  
glued locally for wires

3 layers  
1.5 oz glass wrap  
balsa fill  
above and below beam

fiberglass  
board

-2  
+3

0.021"x3/16" CF  
connector

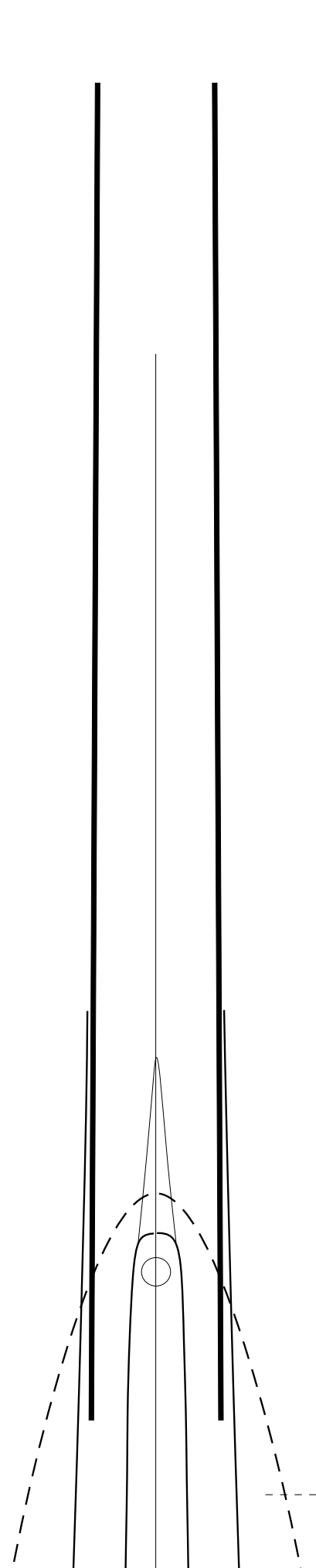
+50

boom: 7/8" ID x 0.033" wall, tapered to  
1 1/16" ID = 0.019" wall

10

15

5



175 lb shear on each bolt  
from 14 lb tail sideload  
(full rudder at 50 m/s)

10-32 allen-head bolt

10-32 Nylon bolt  
230 lb shear strength  
150 lb tensile strength

1/2" ply  
bulkhead

endgrain balsa core,  
hollowed locally for wires

wing: +1.5 deg. relative to fuselage axis

3 layers  
1.5 oz glass wrap  
balsa fill  
above and below beam

fiberglass  
board

fiberglass  
board

1.75"

0.021"x3/16" CF  
Multiplex  
6-pin connector

+50

3/4" rod ballast  
20 oz (lead)  
16 oz (brass)

boom: 7/8" ID  
11/16" ID

3 deg

0

5

