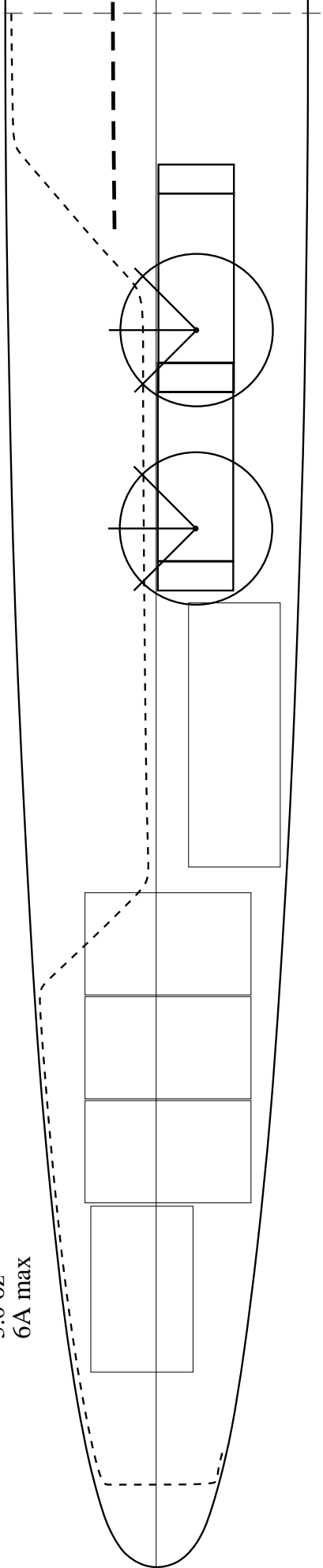


- 109g shell
- 23g nosecone
- 11g towhook
- 10g bulkheads/nuts
- 8g bolts
- 14g pushrods
- 56g boom
- 3g V-mount
- 238g TOTAL fuselage

F3B Fuselage
M.Drela 09 Sep 02

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

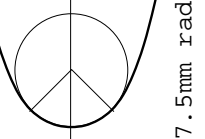
nosecone



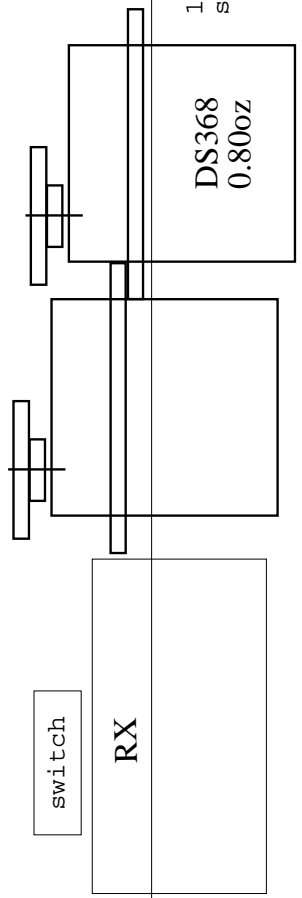
-15

-10

-5



7.5mm radius



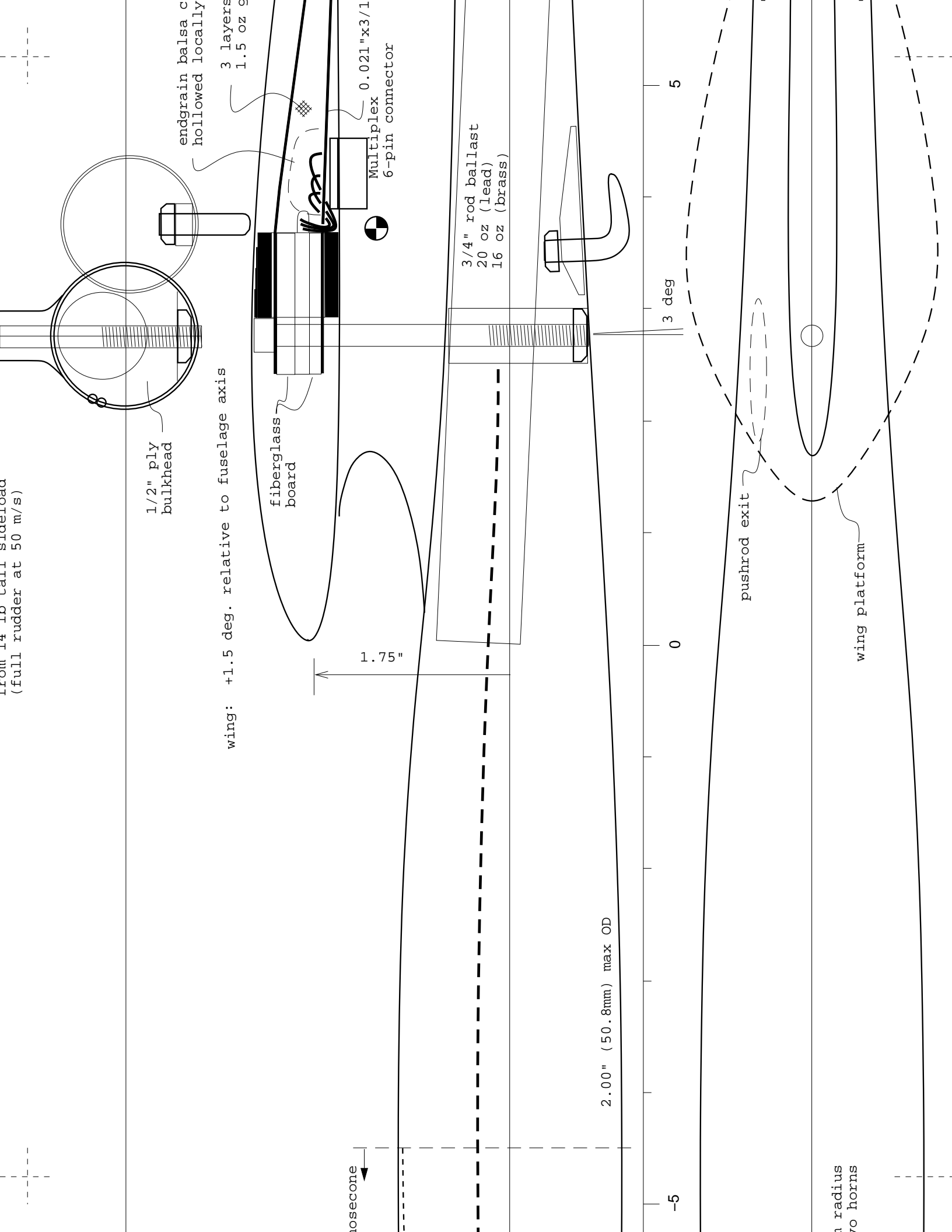
switch

RX

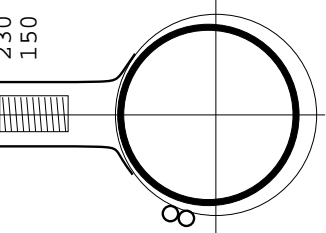
DS368
 0.80oz

13mm radius
 servo horns

from 1410 tail sideload
(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

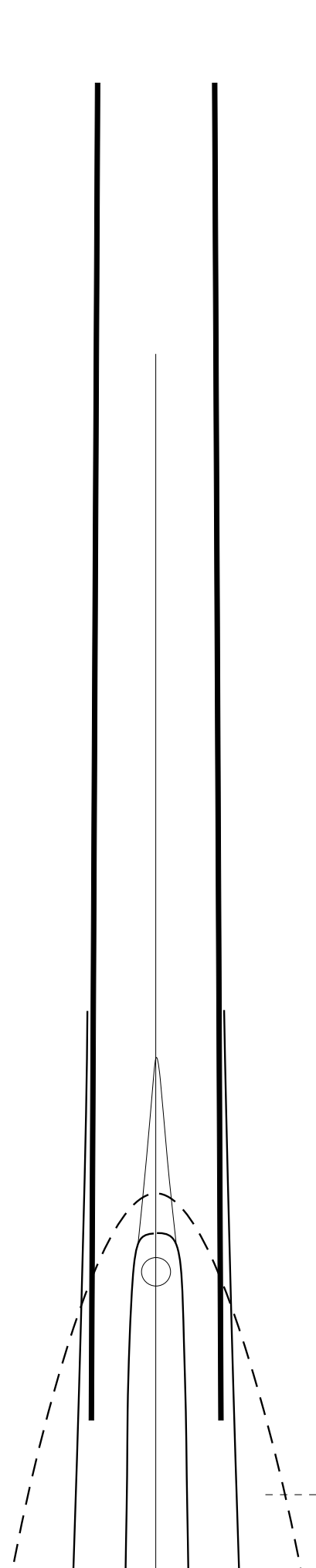
+50

boom: 7/8" ID x 0.033" wall, tapered to
11/16" 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

