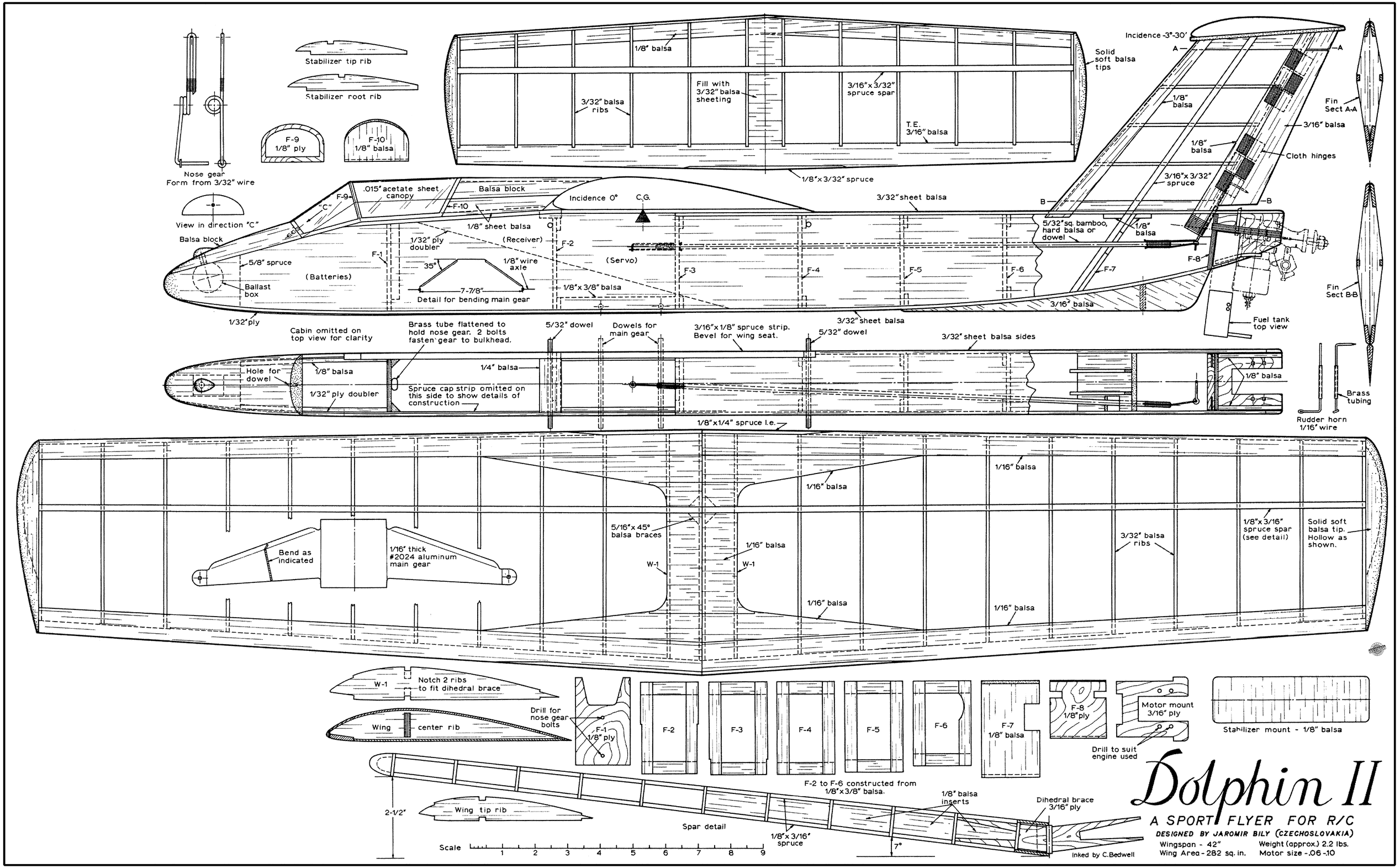
Nose gear
Form from 3/32" wire
Stabilizer tip rib
Stabilizer root rib
F-9
1/8" ply
F-10
1/8" balsa
1/8" balsa
Fill with
3/32" balsa
sheeting
3/32" balsa
ribs
3/16"x3/32"
spruce spar
T.E.
3/16" balsa
1/8"x3/32" spruce
Solid
soft balsa
tips
Incidence -3°-30'
A
A
1/8"
balsa
3/16" balsa
Fin
Sect A-A
1/8"
balsa
Cloth hinges
3/16"x3/32"
spruce
B
B
View in direction "C"
.015" acetate sheet
canopy
Balsa block
F-9
"C"
F-10
Incidence 0°
C.G.
3/32" sheet balsa
1/8" sheet balsa
Balsa block
1/32" ply
doubler
(Receiver)
F-2
F-1
5/8" spruce
35°
1/8" wire
axle
(Servo)
F-3
F-4
F-5
F-6
F-7
F-8
5/32" sq. bamboo,
hard balsa or
dowel
1/8"
balsa
Ballast
box
(Batteries)
7-7/8"
1/8"x3/8" balsa
Detail for bending main gear
3/16" balsa
Fin
Sect B-B
1/32" ply
3/32" sheet balsa
Fuel tank
top view
Cabin omitted on
top view for clarity
Brass tube flattened to
hold nose gear. 2 bolts
fasten gear to bulkhead.
5/32" dowel
Dowels for
main gear
3/16"x1/8" spruce strip.
Bevel for wing seat.
5/32" dowel
3/32" sheet balsa sides
Hole for
dowel
1/8" balsa
1/32" ply doubler
1/4" balsa
Spruce cap strip omitted on
this side to show details of
construction
1/8" balsa
Brass
tubing
Rudder horn
1/16" wire
1/8"x1/4" spruce l.e.
1/16" balsa
1/16" balsa
5/16"x45°
balsa braces
1/16" balsa
W-1
W-1
1/16" balsa
1/16" balsa
Bend as
indicated
1/16" thick
#2024 aluminum
main gear
3/32" balsa
ribs
1/8"x3/16"
spruce spar
(see detail)
Solid soft
balsa tip.
Hollow as
shown.
W-1
Notch 2 ribs
to fit dihedral brace
Wing
center rib
Drill for
nose gear
bolts
F-1
1/8" ply
F-2
F-3
F-4
F-5
F-6
F-7
1/8" balsa
F-8
1/8" ply
Motor mount
3/16" ply
Drill to suit
engine used
Stabilizer mount - 1/8" balsa
F-2 to F-6 constructed from
1/8"x3/8" balsa.
2-1/2"
Wing tip rib
Spar detail
1/8" balsa
inserts
Dihedral brace
3/16" ply
1/8"x3/16"
spruce
7°
Scale
1
2
3
4
5
6
7
8
9
Inked by C.Bedwell
Dolphin II
A SPORT FLYER FOR R/C
DESIGNED BY JAROMIR BILY (CZECHOSLOVAKIA)
Wingspan - 42"
Wing Area - 282 sq. in.
Weight (approx.) 2.2 lbs.
Motor size - .06 -.10