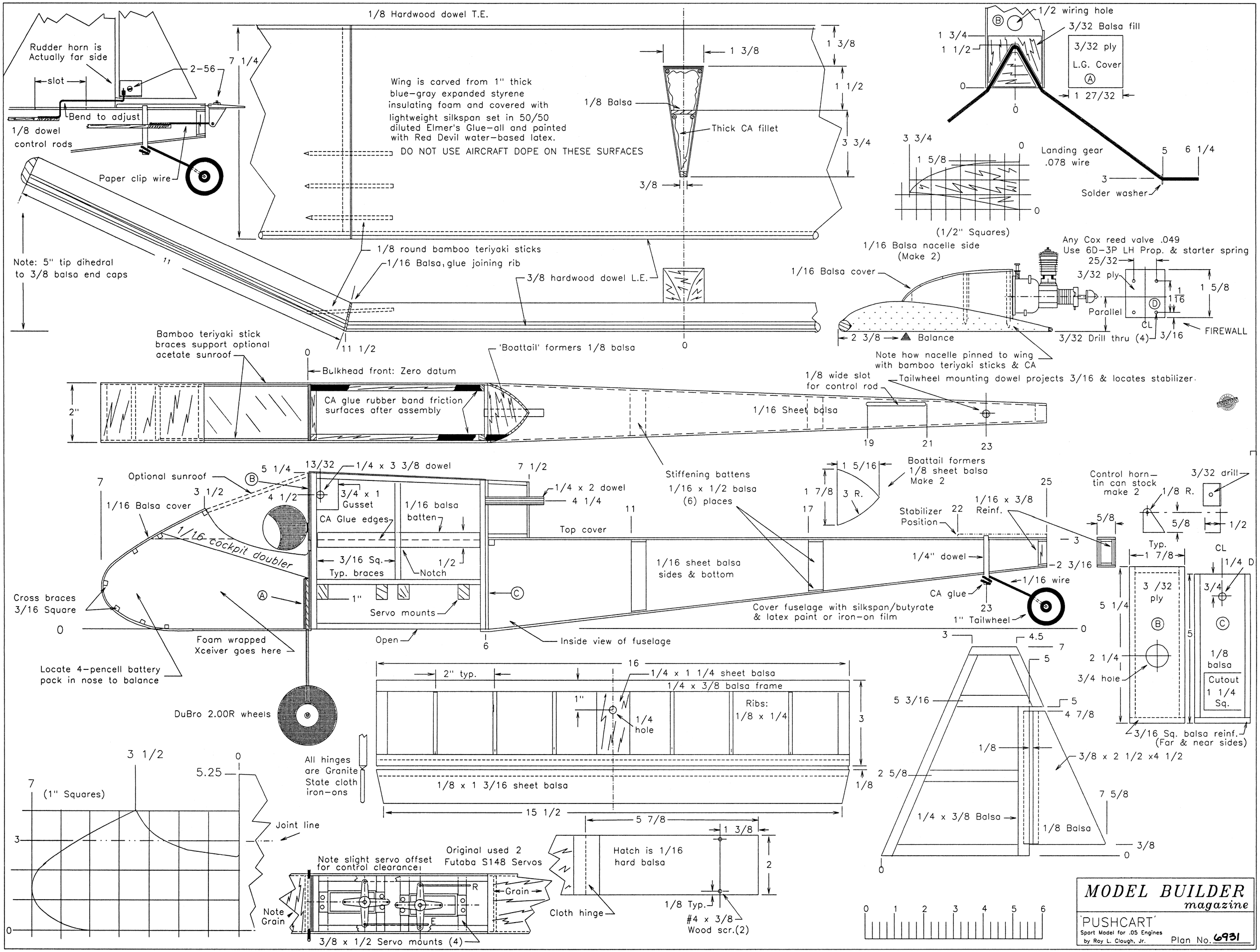
1/8 Hardwood dowel T.E.
Rudder horn is Actually far side
slot
2-56
Bend to adjust
1/8 dowel control rods
Paper clip wire
7 1/4
Wing is carved from 1" thick blue-gray expanded styrene insulating foam and covered with lightweight silkspan set in 50/50 diluted Elmer's Glue-all and painted with Red Devil water-based latex.
DO NOT USE AIRCRAFT DOPE ON THESE SURFACES
1 3/8
1/8 Balsa
Thick CA fillet
3/8
1 3/8
1 1/2
3 3/4
1/2 wiring hole
3/32 Balsa fill
3/32 ply L.G. Cover
1 3/4
1 1/2
1 27/32
3 3/4
1 5/8
(1/2" Squares)
Landing gear .078 wire
5
6 1/4
3
Solder washer
Note: 5" tip dihedral to 3/8 balsa end caps
1/8 round bamboo teriyaki sticks
1/16 Balsa, glue joining rib
3/8 hardwood dowel L.E.
11 1/2
1/16 Balsa nacelle side (Make 2)
Any Cox reed valve .049
Use 6D-3P LH Prop. & starter spring
25/32
3/32 ply
1/16 Balsa cover
1 5/8
Parallel
CL
3/32 Drill thru (4)
3/16
FIREWALL
2 3/8
Balance
Note how nacelle pinned to wing with bamboo teriyaki sticks & CA
Bamboo teriyaki stick braces support optional acetate sunroof
Bulkhead front: Zero datum
'Boattail' formers 1/8 balsa
1/8 wide slot for control rod
Tailwheel mounting dowel projects 3/16 & locates stabilizer.
2"
CA glue rubber band friction surfaces after assembly
1/16 Sheet balsa
19
21
23
Stiffening battens 1/16 x 1/2 balsa (6) places
1 5/16
Boattail formers 1/8 sheet balsa Make 2
1 7/8
3 R.
Optional sunroof
5 1/4
13/32
1/4 x 3 3/8 dowel
7 1/2
1/4 x 2 dowel
4 1/4
3 1/2
4 1/2
3/4 x 1 Gusset
1/16 balsa batten
CA Glue edges
Top cover
1/16 Balsa cover
1/16 cockpit doubler
3/16 Sq. Typ. braces
1/2
Notch
1/16 sheet balsa sides & bottom
1/4" dowel
1/16 x 3/8 Reinf.
Stabilizer Position
22
25
Control horn tin can stock make 2
3/32 drill
1/8 R.
5/8
1/2
Typ.
1 7/8
CL
1/4 D
3/4
3 /32 ply
1/8 balsa
Cutout 1 1/4 Sq.
3/16 Sq. balsa reinf. (Far & near sides)
2 3/16
1/16 wire
CA glue
1" Tailwheel
Cover fuselage with silkspan/butyrate & latex paint or iron-on film
Cross braces 3/16 Square
1"
Servo mounts
Open
Inside view of fuselage
Foam wrapped Xceiver goes here
Locate 4-pencell battery pack in nose to balance
DuBro 2.00R wheels
16
2" typ.
1/4 x 1 1/4 sheet balsa
1/4 x 3/8 balsa frame
1"
1/4 hole
Ribs: 1/8 x 1/4
3
1/8
1/8 x 1 3/16 sheet balsa
15 1/2
All hinges are Granite State cloth iron-ons
4.5
5 3/16
4 7/8
1/8
3/8 x 2 1/2 x4 1/2
2 5/8
7 5/8
1/4 x 3/8 Balsa
1/8 Balsa
3/8
(1" Squares)
5.25
Joint line
Note slight servo offset for control clearance
Original used 2 Futaba S148 Servos
Note Grain
Grain
3/8 x 1/2 Servo mounts (4)
5 7/8
1 3/8
Hatch is 1/16 hard balsa
Cloth hinge
1/8 Typ.
#4 x 3/8 Wood scr.(2)
MODEL BUILDER magazine
'PUSHCART'
Sport Model for .05 Engines
by Roy L. Clough, Jr.
Plan No. 6931