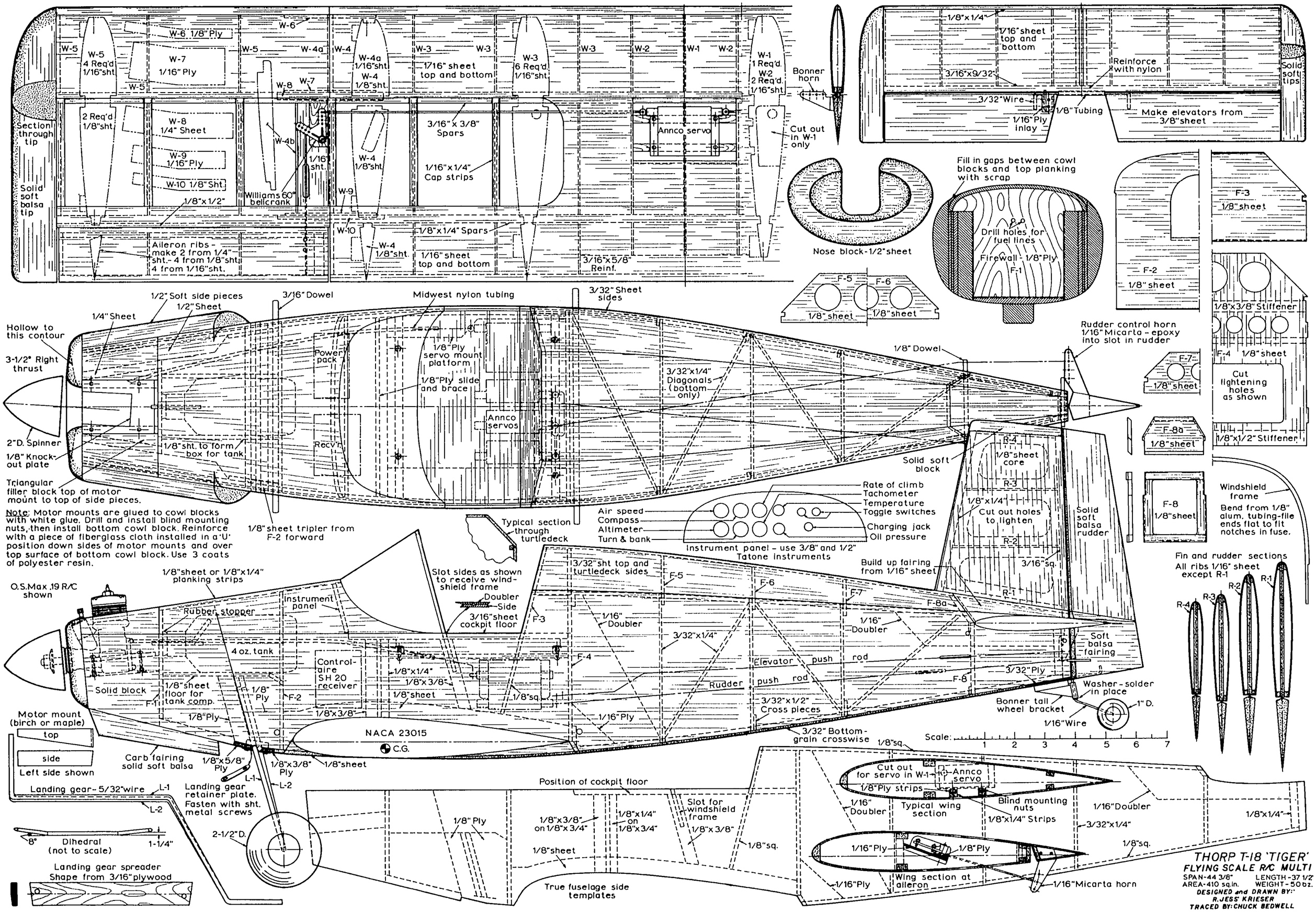
W-6 1/8" Ply
W-5
4 Req'd 1/16"sht
W-7 1/16" Ply
W-4a 1/16"sht
W-4 1/8"sht.
1/16" sheet top and bottom
W-3 6 Req'd. 1/16"sht.
W-1 1 Req'd.
W-2 2 Req'd. 1/16"sht.
Bonner horn
1/8"x1/4"
1/16" sheet top and bottom
3/16"x9/32"
Reinforce with nylon
Solid soft tips
3/32" Wire
1/16" Ply inlay
1/8" Tubing
Make elevators from 3/8" sheet
Section through tip
2 Req'd 1/8"sht
W-8 1/4" Sheet
W-9 1/16" Ply
W-10 1/8" Sht.
Solid soft balsa tip
1/8"x1/2"
Williams 60" bellcrank
1/16" sht.
3/16"x 3/8" Spars
1/16"x1/4" Cap strips
Annco servo
Cut out in W-1 only
Nose block-1/2" sheet
Fill in gaps between cowl blocks and top planking with scrap
Drill holes for fuel lines
Firewall - 1/8" Ply F-1
F-3 1/8" sheet
F-2 1/8" sheet
F-5
F-6
1/8" sheet
1/8"x3/8" Stiffener
F-4 1/8" sheet
Cut lightening holes as shown
1/8"x1/2" Stiffener
F-7 1/8" sheet
F-8a 1/8" sheet
F-8 1/8" sheet
Aileron ribs - make 2 from 1/4" sht.- 4 from 1/8"sht 4 from 1/16"sht.
1/8"x1/4" Spars
3/16"x5/8" Reinf.
1/2" Soft side pieces
1/2" Sheet
3/16" Dowel
Midwest nylon tubing
3/32" Sheet sides
1/4" Sheet
Hollow to this contour
3-1/2° Right thrust
Power pack
1/8" Ply servo mount platform
1/8" Ply slide and brace
3/32"x1/4" Diagonals (bottom only)
1/8" Dowel
Rudder control horn 1/16" Micarta - epoxy into slot in rudder
Annco servos
Recv'r
2" D. Spinner
1/8" Knock-out plate
1/8" sht. to form box for tank
Triangular filler block top of motor mount to top of side pieces.
Note: Motor mounts are glued to cowl blocks with white glue. Drill and install blind mounting nuts, then install bottom cowl block. Reinforce with a piece of fiberglass cloth installed in a 'U' position down sides of motor mounts and over top surface of bottom cowl block. Use 3 coats of polyester resin.
1/8" sheet tripler from F-2 forward
Solid soft block
R-4 1/8" sheet core
R-3
1/8"x1/4"
Cut out holes to lighten
R-2
R-1
3/16" sq.
Solid soft balsa rudder
Rate of climb
Tachometer
Temperature
Toggle switches
Charging jack
Oil pressure
Air speed
Compass
Altimeter
Turn & bank
Instrument panel - use 3/8" and 1/2" Tatone instruments
Typical section through turtledeck
Windshield frame
Bend from 1/8" alum. tubing-file ends flat to fit notches in fuse.
F-8 1/8" sheet
Fin and rudder sections
All ribs 1/16" sheet except R-1
R-1
R-2
R-3
R-4
O.S.Max .19 R/C shown
1/8" sheet or 1/8"x1/4" planking strips
Rubber stopper
Instrument panel
Slot sides as shown to receive wind-shield frame
Doubler
Side
3/16" sheet cockpit floor
3/32" sht top and turtledeck sides
F-5
F-6
F-7
F-8a
F-3
1/16" Doubler
Build up fairing from 1/16" sheet
4 oz. tank
Control-aire SH 20 receiver
1/8"x1/4"
1/8"x 3/8"
1/8" sheet
1/8" sq.
F-4
3/32"x1/4"
Elevator push rod
Rudder push rod
F-8
3/32" Ply
Soft balsa fairing
Solid block
1/8" sheet floor for tank comp.
F-1
1/8" Ply
F-2
1/8"x3/8"
1/8" Ply
3/32"x1/2" Cross pieces
Washer - solder in place
Bonner tail wheel bracket
1" D.
1/16" Wire
Motor mount (birch or maple)
top
side
Left side shown
NACA 23015
C.G.
1/16" Ply
3/32" Bottom-grain crosswise
Scale: 1 2 3 4 5 6 7
Carb fairing solid soft balsa
1/8"x5/8" Ply
1/8"x3/8" Ply
1/8" sheet
L-1
L-2
Landing gear - 5/32" wire
Landing gear retainer plate. Fasten with sht. metal screws
Position of cockpit floor
Cut out for servo in W-1
Annco servo
1/8" Ply strips
1/16" Doubler
Typical wing section
Blind mounting nuts
1/8"x1/4" Strips
1/16" Doubler
3/32"x1/4"
1/8"x1/4"
1/8" sq.
8°
Dihedral (not to scale)
1-1/4"
2-1/2" D.
1/8" Ply
1/8"x3/8" on 1/8"x3/4"
1/8"x1/4" on 1/8"x3/4"
Slot for windshield frame
1/8"x 3/8"
1/8" sq.
1/8" sheet
1/16" Ply
1/8" Ply
1/16" Ply
Wing section at aileron
1/16" Micarta horn
Landing gear spreader Shape from 3/16" plywood
True fuselage side templates
THORP T-18 'TIGER'
FLYING SCALE R/C MULTI
SPAN-44 3/8" LENGTH-37 1/2"
AREA-410 sq.in. WEIGHT-50 oz.
DESIGNED and DRAWN BY:
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