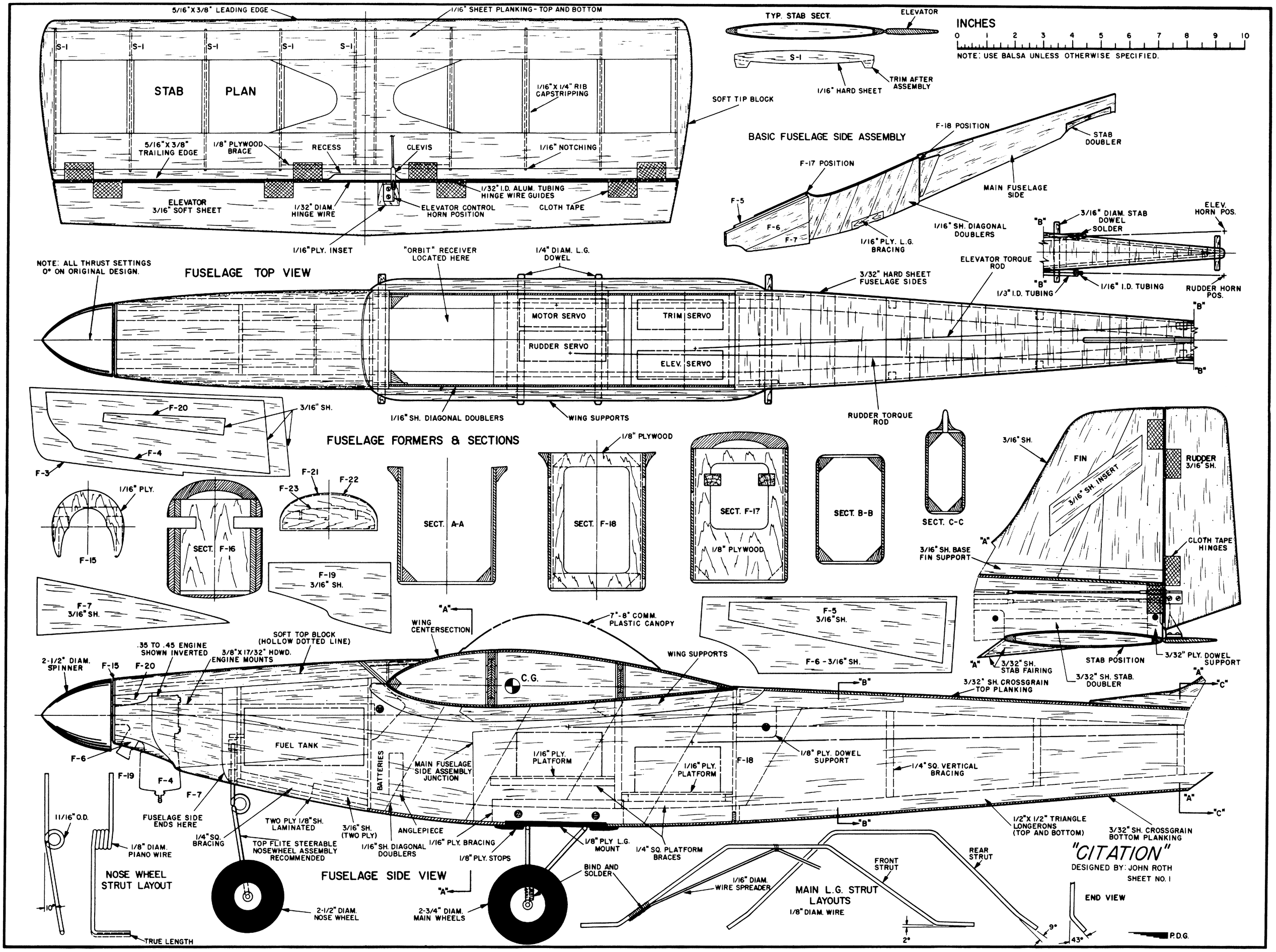
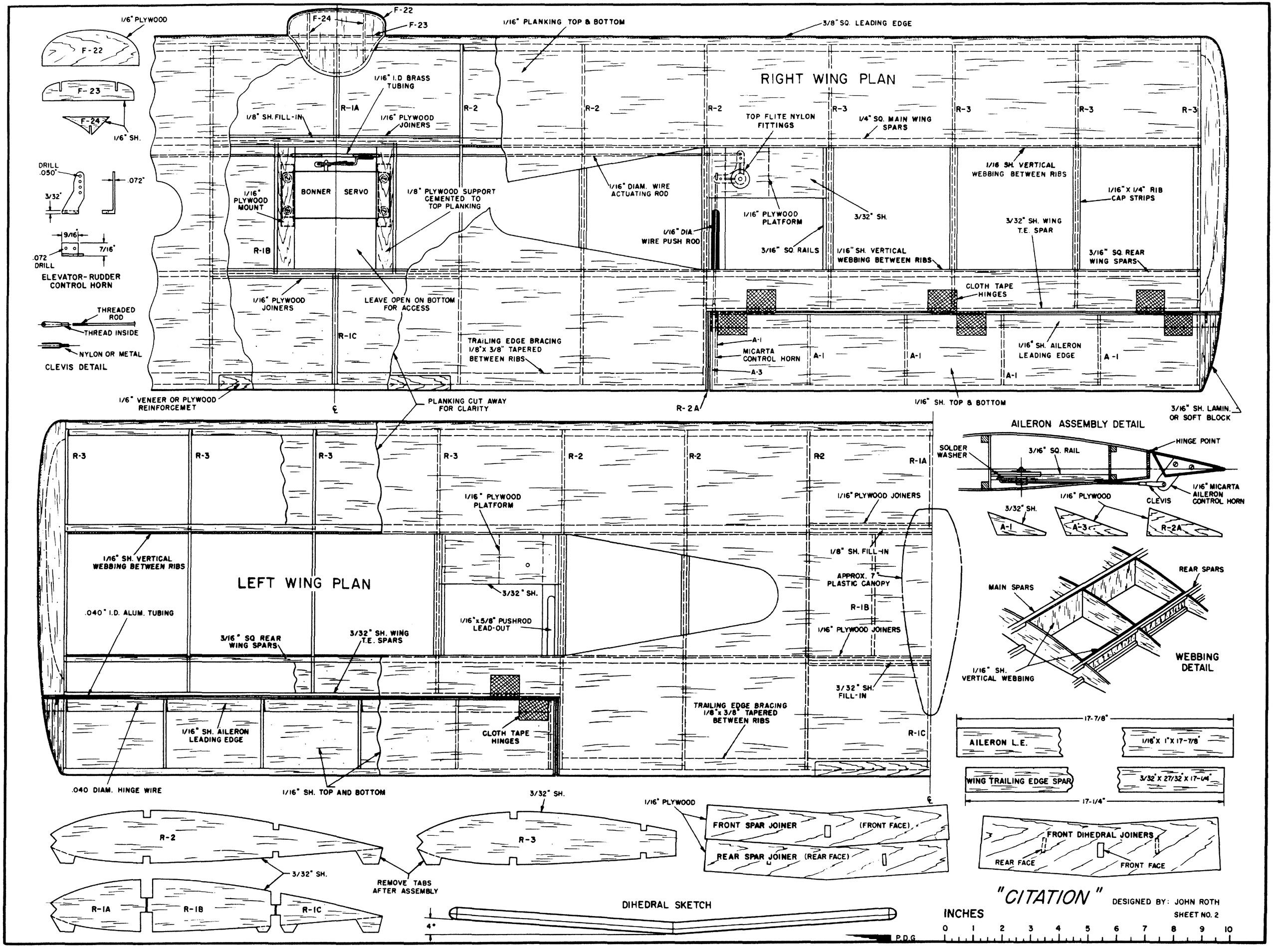

5/16"X3/8" LEADING EDGE
1/16" SHEET PLANKING - TOP AND BOTTOM
S-1
STAB PLAN
1/16"X1/4" RIB CAPSTRIPPING
SOFT TIP BLOCK
5/16"X3/8" TRAILING EDGE
1/8" PLYWOOD BRACE
RECESS
CLEVIS
1/16" NOTCHING
1/32" I.D. ALUM. TUBING HINGE WIRE GUIDES
ELEVATOR 3/16" SOFT SHEET
1/32" DIAM. HINGE WIRE
ELEVATOR CONTROL HORN POSITION
CLOTH TAPE
1/16" PLY. INSET
TYP. STAB SECT.
ELEVATOR
1/16" HARD SHEET
TRIM AFTER ASSEMBLY
INCHES
0 1 2 3 4 5 6 7 8 9 10
NOTE: USE BALSA UNLESS OTHERWISE SPECIFIED.
BASIC FUSELAGE SIDE ASSEMBLY
F-18 POSITION
STAB DOUBLER
F-17 POSITION
MAIN FUSELAGE SIDE
F-5
F-6
F-7
1/16" SH. DIAGONAL DOUBLERS
1/16" PLY. L.G. BRACING
3/16" DIAM. STAB DOWEL
SOLDER
ELEV. HORN POS.
"B"
ELEVATOR TORQUE ROD
1/3" I.D. TUBING
1/16" I.D. TUBING
RUDDER HORN POS.
NOTE: ALL THRUST SETTINGS 0° ON ORIGINAL DESIGN.
FUSELAGE TOP VIEW
"ORBIT" RECEIVER LOCATED HERE
1/4" DIAM. L.G. DOWEL
3/32" HARD SHEET FUSELAGE SIDES
MOTOR SERVO
TRIM SERVO
RUDDER SERVO
ELEV. SERVO
1/16" SH. DIAGONAL DOUBLERS
WING SUPPORTS
RUDDER TORQUE ROD
FUSELAGE FORMERS & SECTIONS
F-20
3/16" SH.
F-4
F-3
1/16" PLY.
F-15
F-21
F-22
F-23
SECT. F-16
SECT. A-A
1/8" PLYWOOD
SECT. F-18
SECT. F-17
1/8" PLYWOOD
SECT. B-B
SECT. C-C
F-19 3/16" SH.
F-7 3/16" SH.
3/16" SH.
FIN
3/16" SH. INSERT
RUDDER 3/16" SH.
CLOTH TAPE HINGES
3/16" SH. BASE FIN SUPPORT
"A"
F-5 3/16" SH.
F-6 - 3/16" SH.
WING CENTERSECTION
7"-8" COMM. PLASTIC CANOPY
SOFT TOP BLOCK (HOLLOW DOTTED LINE)
.35 TO .45 ENGINE SHOWN INVERTED
3/8"X17/32" HDWD. ENGINE MOUNTS
2-1/2" DIAM. SPINNER
F-15
F-20
WING SUPPORTS
C.G.
3/32" SH. STAB FAIRING
STAB POSITION
3/32" PLY. DOWEL SUPPORT
3/32" SH. STAB. DOUBLER
3/32" SH. CROSSGRAIN TOP PLANKING
"B"
"C"
FUEL TANK
F-6
F-19
F-4
F-7
BATTERIES
MAIN FUSELAGE SIDE ASSEMBLY JUNCTION
1/16" PLY. PLATFORM
1/16" PLY. PLATFORM
F-18
1/8" PLY. DOWEL SUPPORT
1/4" SQ. VERTICAL BRACING
11/16" O.D.
FUSELAGE SIDE ENDS HERE
TWO PLY 1/8" SH. LAMINATED
3/16" SH. (TWO PLY)
ANGLEPIECE
1/4" SQ. BRACING
TOP FLITE STEERABLE NOSEWHEEL ASSEMBLY RECOMMENDED
1/16" SH. DIAGONAL DOUBLERS
1/16" PLY. BRACING
1/8" PLY. STOPS
1/8" PLY L.G. MOUNT
1/4" SQ. PLATFORM BRACES
1/2"X1/2" TRIANGLE LONGERONS (TOP AND BOTTOM)
3/32" SH. CROSSGRAIN BOTTOM PLANKING
1/8" DIAM. PIANO WIRE
NOSE WHEEL STRUT LAYOUT
FUSELAGE SIDE VIEW
BIND AND SOLDER
1/16" DIAM. WIRE SPREADER
FRONT STRUT
REAR STRUT
MAIN L.G. STRUT LAYOUTS
1/8" DIAM. WIRE
"CITATION"
DESIGNED BY: JOHN ROTH
SHEET NO. 1
END VIEW
10°
2-1/2" DIAM. NOSE WHEEL
2-3/4" DIAM. MAIN WHEELS
TRUE LENGTH
2°
9°
43°
P.D.G.


RIGHT WING PLAN
LEFT WING PLAN
1/6" PLYWOOD
F-22
F-23
F-24
1/6" SH.
DRILL .050"
3/32"
.072"
9/16"
7/16"
.072 DRILL
ELEVATOR-RUDDER CONTROL HORN
THREADED ROD
THREAD INSIDE
NYLON OR METAL
CLEVIS DETAIL
1/16" PLANKING TOP & BOTTOM
3/8" SQ. LEADING EDGE
1/16" I.D BRASS TUBING
1/8" SH. FILL-IN
1/16" PLYWOOD JOINERS
R-1A
R-2
R-3
TOP FLITE NYLON FITTINGS
1/4" SQ. MAIN WING SPARS
1/16 SH. VERTICAL WEBBING BETWEEN RIBS
1/16" X 1/4" RIB CAP STRIPS
BONNER
SERVO
1/16" PLYWOOD MOUNT
1/8" PLYWOOD SUPPORT CEMENTED TO TOP PLANKING
1/16" DIAM. WIRE ACTUATING ROD
1/16" PLYWOOD PLATFORM
3/32" SH.
3/32" SH. WING T.E. SPAR
1/16" DIA. WIRE PUSH ROD
3/16" SQ. RAILS
1/16" SH. VERTICAL WEBBING BETWEEN RIBS
3/16" SQ. REAR WING SPARS
R-1B
1/16" PLYWOOD JOINERS
LEAVE OPEN ON BOTTOM FOR ACCESS
CLOTH TAPE HINGES
R-1C
TRAILING EDGE BRACING 1/8"x 3/8" TAPERED BETWEEN RIBS
A-1
MICARTA CONTROL HORN
A-3
1/16" SH. AILERON LEADING EDGE
1/6" VENEER OR PLYWOOD REINFORCEMET
PLANKING CUT AWAY FOR CLARITY
R-2A
1/16" SH. TOP & BOTTOM
3/16" SH. LAMIN. OR SOFT BLOCK
AILERON ASSEMBLY DETAIL
SOLDER WASHER
3/16" SQ. RAIL
HINGE POINT
1/16" MICARTA AILERON CONTROL HORN
CLEVIS
1/16" PLYWOOD
3/32" SH.
1/16" PLYWOOD PLATFORM
1/16" PLYWOOD JOINERS
1/8" SH. FILL-IN
APPROX. 7" PLASTIC CANOPY
3/32" SH.
1/16" SH. VERTICAL WEBBING BETWEEN RIBS
.040" I.D. ALUM. TUBING
3/16" SQ REAR WING SPARS
3/32" SH. WING T.E. SPARS
1/16"x5/8" PUSHROD LEAD-OUT
3/32" SH. FILL-IN
MAIN SPARS
REAR SPARS
1/16" SH. VERTICAL WEBBING
WEBBING DETAIL
1/16" SH. AILERON LEADING EDGE
CLOTH TAPE HINGES
TRAILING EDGE BRACING 1/8"x 3/8" TAPERED BETWEEN RIBS
.040 DIAM. HINGE WIRE
1/16" SH. TOP AND BOTTOM
17-7/8"
AILERON L.E.
1/16"X 1"X 17-7/8"
WING TRAILING EDGE SPAR
3/32" X 27/32" X 17-1/4"
17-1/4"
1/16" PLYWOOD
FRONT SPAR JOINER
(FRONT FACE)
REAR SPAR JOINER
(REAR FACE)
FRONT DIHEDRAL JOINERS
REAR FACE
FRONT FACE
R-2
R-3
3/32" SH.
REMOVE TABS AFTER ASSEMBLY
R-1A
R-1B
R-1C
DIHEDRAL SKETCH
4°
P.D.G.
"CITATION"
DESIGNED BY: JOHN ROTH
SHEET NO. 2
INCHES
0 1 2 3 4 5 6 7 8 9 10