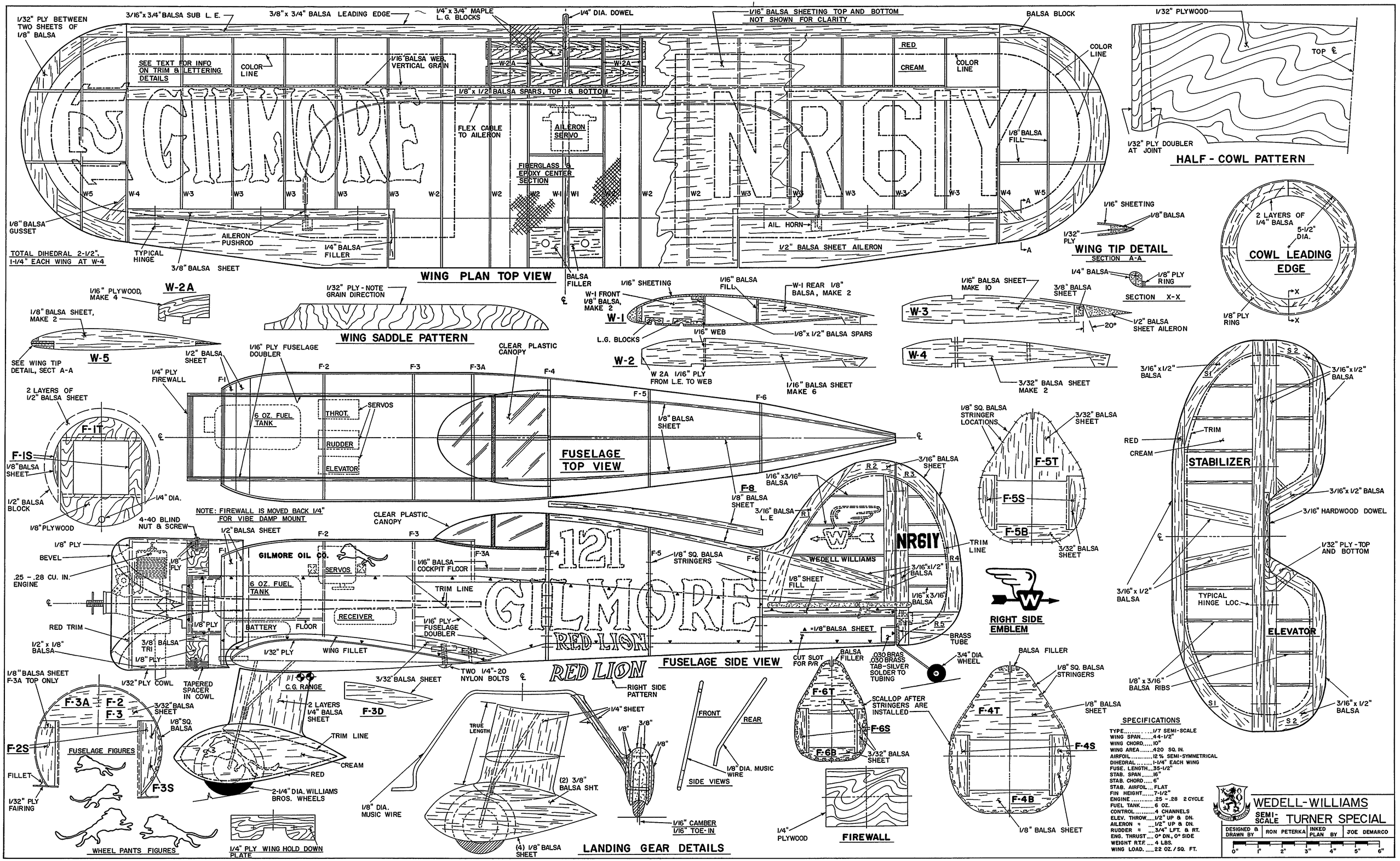
WING PLAN TOP VIEW
1/32" PLY BETWEEN TWO SHEETS OF 1/8" BALSA
3/16"x 3/4" BALSA SUB L. E.
3/8"x 3/4" BALSA LEADING EDGE
1/4"x 3/4" MAPLE L. G. BLOCKS
1/4" DIA. DOWEL
1/16" BALSA SHEETING TOP AND BOTTOM NOT SHOWN FOR CLARITY
BALSA BLOCK
SEE TEXT FOR INFO ON TRIM & LETTERING DETAILS
COLOR LINE
1/16 BALSA WEB, VERTICAL GRAIN
W-2A
1/8"x 1/2 BALSA SPARS, TOP & BOTTOM
FLEX CABLE TO AILERON
AILERON SERVO
FIBERGLASS & EPOXY CENTER SECTION
RED
CREAM
1/8" BALSA FILL
1/8" BALSA GUSSET
TOTAL DIHEDRAL 2-1/2", 1-1/4" EACH WING AT W-4
TYPICAL HINGE
AILERON PUSHROD
1/4" BALSA FILLER
3/8" BALSA SHEET
AIL. HORN
1/2" BALSA SHEET AILERON
BALSA FILLER
W-5 W-4 W-3 W-2 W-1
1/32" PLYWOOD
TOP ℄
1/32" PLY DOUBLER AT JOINT
HALF - COWL PATTERN
1/16" SHEETING
1/8" BALSA
1/32" PLY
WING TIP DETAIL
SECTION A-A
2 LAYERS OF 1/4" BALSA
5-1/2" DIA.
COWL LEADING EDGE
1/4" BALSA
1/8" PLY RING
SECTION X-X
1/8" PLY RING
W-2A
1/16" PLYWOOD, MAKE 4
1/32" PLY - NOTE GRAIN DIRECTION
WING SADDLE PATTERN
1/8" BALSA SHEET, MAKE 2
W-5
SEE WING TIP DETAIL, SECT A-A
1/16" SHEETING
1/16" BALSA FILL
W-1 REAR 1/8" BALSA, MAKE 2
W-1 FRONT 1/8" BALSA, MAKE 2
W-1
L.G. BLOCKS
1/16" WEB
1/8"x 1/2" BALSA SPARS
W-2
W 2A 1/16" PLY FROM L.E. TO WEB
1/16" BALSA SHEET MAKE 6
1/16" BALSA SHEET MAKE 10
3/8" BALSA SHEET
W-3
20°
1/2" BALSA SHEET AILERON
W-4
3/32" BALSA SHEET MAKE 2
1/2" BALSA SHEET
1/16" PLY FUSELAGE DOUBLER
CLEAR PLASTIC CANOPY
1/4" PLY FIREWALL
F-1 F-2 F-3 F-3A F-4 F-5 F-6
6 OZ. FUEL TANK
THROT.
SERVOS
RUDDER
ELEVATOR
1/8" BALSA SHEET
FUSELAGE TOP VIEW
2 LAYERS OF 1/2" BALSA SHEET
F-1T
F-1S
1/8" BALSA SHEET
1/2" BALSA BLOCK
1/4" DIA.
1/8" PLYWOOD
NOTE: FIREWALL IS MOVED BACK 1/4" FOR VIBE DAMP MOUNT
4-40 BLIND NUT & SCREW
1/2" BALSA SHEET
1/8" PLY
BEVEL
.25 - .28 CU. IN. ENGINE
1/8" PLY
GILMORE OIL CO.
SERVOS
6 OZ. FUEL TANK
RECEIVER
BATTERY
FLOOR
1/16" BALSA COCKPIT FLOOR
TRIM LINE
1/16" PLY FUSELAGE DOUBLER
RED TRIM
1/2" x 1/8" BALSA
3/8" BALSA TRI
1/8" PLY
1/32" PLY
WING FILLET
1/32" PLY COWL
TAPERED SPACER IN COWL
TWO 1/4"-20 NYLON BOLTS
121
GILMORE
RED LION
FUSELAGE SIDE VIEW
CLEAR PLASTIC CANOPY
F-8
1/8" BALSA SHEET
3/16" BALSA L. E
1/16"x3/16" BALSA
3/16" BALSA SHEET
R1 R2 R3 R4 R5
NR61Y
WEDELL WILLIAMS
1/8" SQ. BALSA STRINGERS
3/16"x1/2" BALSA
1/8" SHEET FILL
1/16"x3/16" BALSA
=1/8"BALSA SHEET
BRASS TUBE
TRIM LINE
F-5T
F-5S
F-5B
1/8" SQ. BALSA STRINGER LOCATIONS
3/32" BALSA SHEET
RIGHT SIDE EMBLEM
STABILIZER
ELEVATOR
3/16"x 1/2" BALSA
3/16" HARDWOOD DOWEL
1/32" PLY - TOP AND BOTTOM
TYPICAL HINGE LOC.
1/8" x 3/16" BALSA RIBS
S1 S2
1/8" BALSA SHEET F-3A TOP ONLY
F-3A F-2 F-3
3/32" BALSA SHEET
1/8" SQ. BALSA
F-2S
FUSELAGE FIGURES
FILLET
1/32" PLY FAIRING
F-3S
C.G. RANGE
2 LAYERS 1/4" BALSA SHEET
F-3D
TRIM LINE
CREAM
RED
2-1/4" DIA. WILLIAMS BROS. WHEELS
WHEEL PANTS FIGURES
1/4" PLY WING HOLD DOWN PLATE
RED LION
RIGHT SIDE PATTERN
TRUE LENGTH
1/4" SHEET
1/8" 3/8" 1/8"
(2) 3/8" BALSA SHT.
1/8" DIA. MUSIC WIRE
(4) 1/8" BALSA SHEET
1/16" CAMBER 1/16" TOE-IN
LANDING GEAR DETAILS
FRONT
REAR
1/8" DIA. MUSIC WIRE
SIDE VIEWS
CUT SLOT FOR P/R
BALSA FILLER
.030 BRAS .030 BRASS TAB-SILVER SOLDER TO TUBING
3/4" DIA. WHEEL
F-6T
F-6S
F-6B
3/32" BALSA SHEET
SCALLOP AFTER STRINGERS ARE INSTALLED
1/4" PLYWOOD
FIREWALL
BALSA FILLER
1/8" SQ. BALSA STRINGERS
1/8" BALSA SHEET
F-4T
F-4S
F-4B
1/8" BALSA SHEET
SPECIFICATIONS
TYPE.....1/7 SEMI-SCALE
WING SPAN.....44-1/2"
WING CHORD.....10"
WING AREA.....420 SQ. IN.
AIRFOIL.....12 % SEMI-SYMMETRICAL
DIHEDRAL.....1-1/4" EACH WING
FUSE. LENGTH...35-1/2"
STAB. SPAN.....16"
STAB. CHORD.....6"
STAB. AIRFOIL.....FLAT
FIN HEIGHT.....7-1/2"
ENGINE.....25 - .28 2 CYCLE
FUEL TANK.....6 OZ.
CONTROL.....4 CHANNELS
ELEV. THROW....1/2" UP & DN.
AILERON " ....1/2" UP & DN.
RUDDER " ....3/4" LFT. & RT.
ENG. THRUST....0° DN., 0° SIDE
WEIGHT R.T.F.....4 LBS.
WING LOAD.....22 OZ./SQ. FT.
WEDELL-WILLIAMS
SEMI-SCALE TURNER SPECIAL
DESIGNED & DRAWN BY RON PETERKA
INKED PLAN BY JOE DEMARCO
0" 1" 2" 3" 4" 5" 6"