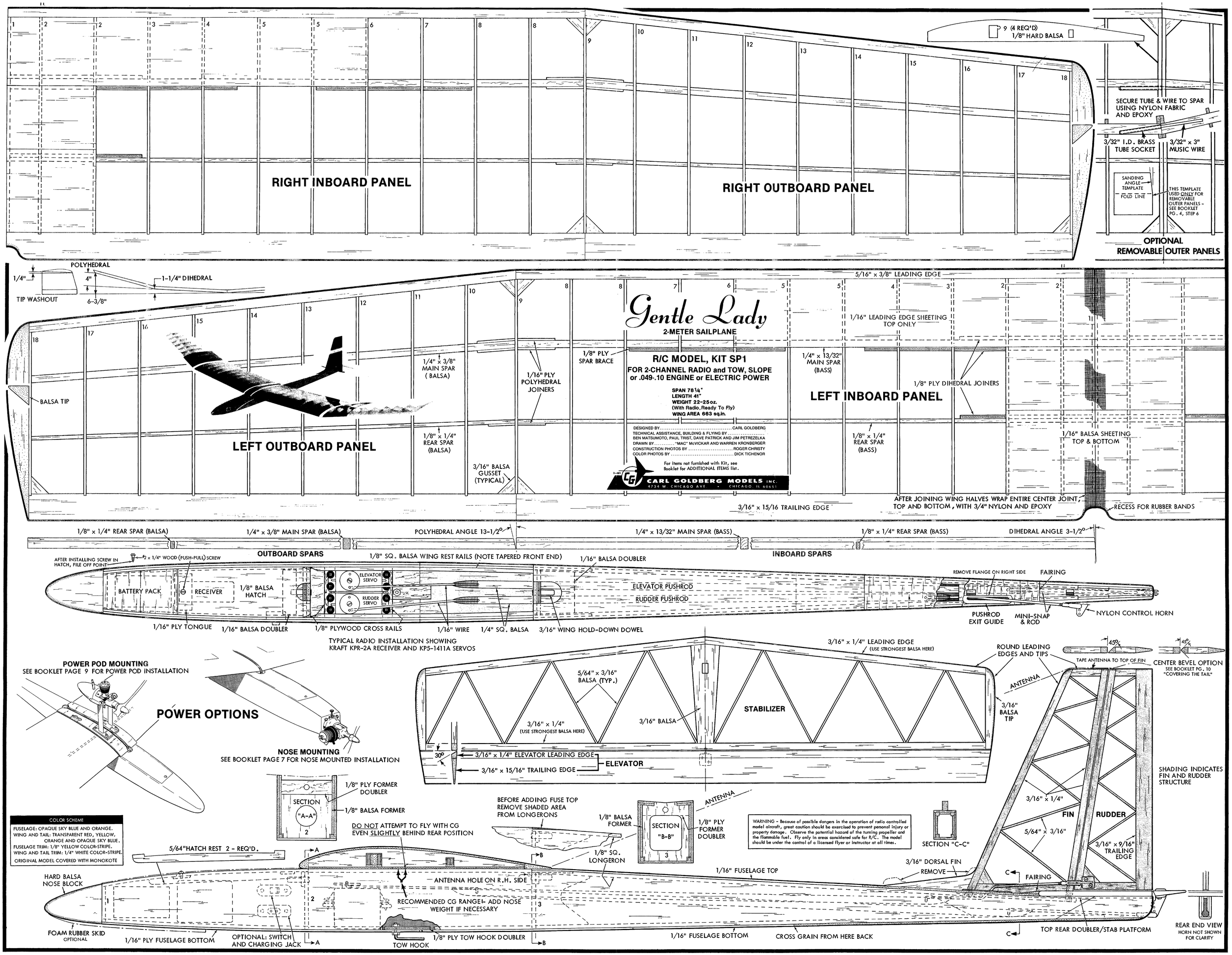
RIGHT INBOARD PANEL
RIGHT OUTBOARD PANEL
9 (4 REQ'D) 1/8" HARD BALSA
SECURE TUBE & WIRE TO SPAR USING NYLON FABRIC AND EPOXY
3/32" I.D. BRASS TUBE SOCKET
3/32" x 3" MUSIC WIRE
SANDING ANGLE TEMPLATE
FOLD LINE
THIS TEMPLATE USED ONLY FOR REMOVABLE OUTER PANELS - SEE BOOKLET PG. 4, STEP 6
OPTIONAL REMOVABLE OUTER PANELS
POLYHEDRAL
1/4"
4"
1-1/4" DIHEDRAL
TIP WASHOUT
6-3/8"
5/16" x 3/8" LEADING EDGE
1/16" LEADING EDGE SHEETING TOP ONLY
1/4" x 3/8" MAIN SPAR (BALSA)
1/16" PLY POLYHEDRAL JOINERS
1/8" PLY SPAR BRACE
1/4" x 13/32" MAIN SPAR (BASS)
1/8" PLY DIHEDRAL JOINERS
BALSA TIP
LEFT OUTBOARD PANEL
LEFT INBOARD PANEL
1/8" x 1/4" REAR SPAR (BALSA)
1/8" x 1/4" REAR SPAR (BASS)
1/16" BALSA SHEETING TOP & BOTTOM
3/16" BALSA GUSSET (TYPICAL)
3/16" x 15/16 TRAILING EDGE
AFTER JOINING WING HALVES WRAP ENTIRE CENTER JOINT, TOP AND BOTTOM, WITH 3/4" NYLON AND EPOXY
RECESS FOR RUBBER BANDS
Gentle Lady
2-METER SAILPLANE
R/C MODEL, KIT SP1
FOR 2-CHANNEL RADIO and TOW, SLOPE or .049-.10 ENGINE or ELECTRIC POWER
SPAN 78¼"
LENGTH 41"
WEIGHT 22-25oz.
(With Radio, Ready To Fly)
WING AREA 663 sq.in.
DESIGNED BY ..... CARL GOLDBERG
TECHNICAL ASSISTANCE, BUILDING & FLYING BY ..... BEN MATSUMOTO, PAUL TRIST, DAVE PATRICK AND JIM PETREZELKA
DRAWN BY ..... "MAC" McVICKAR AND WARREN KRONBERGER
CONSTRUCTION PHOTOS BY ..... ROGER CHRISTY
COLOR PHOTOS BY ..... DICK TICHENOR
For items not furnished with Kit, see Booklet for ADDITIONAL ITEMS list.
CARL GOLDBERG MODELS INC.
4734 W. CHICAGO AVE. • CHICAGO, IL 60651
1/8" x 1/4" REAR SPAR (BALSA)
1/4" x 3/8" MAIN SPAR (BALSA)
POLYHEDRAL ANGLE 13-1/2°
OUTBOARD SPARS
1/4" x 13/32" MAIN SPAR (BASS)
1/8" x 1/4" REAR SPAR (BASS)
DIHEDRAL ANGLE 3-1/2°
INBOARD SPARS
AFTER INSTALLING SCREW IN HATCH, FILE OFF POINT
#2 x 1/4" WOOD (PUSH-PULL) SCREW
1/8" SQ. BALSA WING REST RAILS (NOTE TAPERED FRONT END)
1/16" BALSA DOUBLER
BATTERY PACK
RECEIVER
1/8" BALSA HATCH
ELEVATOR SERVO
RUDDER SERVO
ELEVATOR PUSHROD
RUDDER PUSHROD
REMOVE FLANGE ON RIGHT SIDE
FAIRING
PUSHROD EXIT GUIDE
MINI-SNAP & ROD
NYLON CONTROL HORN
1/16" PLY TONGUE
1/16" BALSA DOUBLER
1/8" PLYWOOD CROSS RAILS
1/16" WIRE
1/4" SQ. BALSA
3/16" WING HOLD-DOWN DOWEL
TYPICAL RADIO INSTALLATION SHOWING KRAFT KPR-2A RECEIVER AND KP5-1411A SERVOS
POWER POD MOUNTING
SEE BOOKLET PAGE 9 FOR POWER POD INSTALLATION
POWER OPTIONS
NOSE MOUNTING
SEE BOOKLET PAGE 7 FOR NOSE MOUNTED INSTALLATION
3/16" x 1/4" LEADING EDGE (USE STRONGEST BALSA HERE)
ROUND LEADING EDGES AND TIPS
5/64" x 3/16" BALSA (TYP.)
3/16" x 1/4" (USE STRONGEST BALSA HERE)
3/16" BALSA
STABILIZER
3/16" BALSA TIP
ANTENNA
TAPE ANTENNA TO TOP OF FIN
CENTER BEVEL OPTION
SEE BOOKLET PG. 10 "COVERING THE TAIL"
30°
3/16" x 1/4" ELEVATOR LEADING EDGE
3/16" x 15/16" TRAILING EDGE
ELEVATOR
SHADING INDICATES FIN AND RUDDER STRUCTURE
1/8" PLY FORMER DOUBLER
SECTION "A-A"
1/8" BALSA FORMER
BEFORE ADDING FUSE TOP REMOVE SHADED AREA FROM LONGERONS
1/8" BALSA FORMER
SECTION "B-B"
1/8" PLY FORMER DOUBLER
ANTENNA
3/16" x 1/4"
FIN
RUDDER
5/64" x 3/16"
3/16" x 9/16" TRAILING EDGE
COLOR SCHEME
FUSELAGE: OPAQUE SKY BLUE AND ORANGE.
WING AND TAIL: TRANSPARENT RED, YELLOW, ORANGE AND OPAQUE SKY BLUE.
FUSELAGE TRIM: 1/8" YELLOW COLOR-STRIPE.
WING AND TAIL TRIM: 1/4" WHITE COLOR-STRIPE.
ORIGINAL MODEL COVERED WITH MONOKOTE
DO NOT ATTEMPT TO FLY WITH CG EVEN SLIGHTLY BEHIND REAR POSITION
5/64" HATCH REST 2 - REQ'D.
1/8" SQ. LONGERON
WARNING - Because of possible dangers in the operation of radio controlled model aircraft, great caution should be exercised to prevent personal injury or property damage. Observe the potential hazard of the turning propeller and the flammable fuel. Fly only in areas considered safe for R/C. The model should be under the control of a licensed flyer or instructor at all times.
SECTION "C-C"
3/16" DORSAL FIN REMOVE
1/16" FUSELAGE TOP
HARD BALSA NOSE BLOCK
ANTENNA HOLE ON R.H. SIDE
RECOMMENDED CG RANGE! - ADD NOSE WEIGHT IF NECESSARY
FAIRING
FOAM RUBBER SKID OPTIONAL
1/16" PLY FUSELAGE BOTTOM
OPTIONAL: SWITCH AND CHARGING JACK
TOW HOOK
1/8" PLY TOW HOOK DOUBLER
1/16" FUSELAGE BOTTOM
CROSS GRAIN FROM HERE BACK
TOP REAR DOUBLER/STAB PLATFORM
REAR END VIEW HORN NOT SHOWN FOR CLARITY