MODIFY CENTER SECTION RIBS AS SHOWN IN DETAIL

1/16" SHT. BALSA (TOP & BOTTOM) BOTTOM INSET BETWEEN RIBS

1/4" SQ. X 36" HARDWOOD L.E. BEVEL BEFORE ASS'Y

30° CUT

CUT TIPS FROM 1/8" SHEET — TRIM AFTER ASS'Y

1/8" X 1-3/8" X 7-1/8"

W-3 W-3 W-3 W-3 W-3 W-3 W-2 W-1 W-1 W-1 W-1 W-2 W-3 W-3 W-3 W-3 W-3 W-3

SHEETING CUT FROM 1/16" X 3" X 18" BALSA

3/32" BALSA RIBS

1/8" X 1/2" X 36" HARDWOOD SPAR

CUT GUSSETS FROM 1/8" X 1/2" BALSA STRIP. NOTE GRAIN DIRECTION

TRIM END OF 4 RIBS

NOTE: FOR TRAINER ONLY WASHOUT EACH TIP 1/4". SEE NOTE AT RIGHT

INNER PANELS FLAT TO THIS RIB ONLY

3/16" X 1/4" BALSA STRIP

CUT OUT AFTER ASSEMBLY

1/4" X 1" X 36" T.E. STOCK

IMPORTANT NOTE: AFTER COVERING WING TWIST TIP PANELS SO THAT THE TRAILING EDGE IS RAISED 1/4" HIGHER THAN THE LEADING EDGE & RESHRINK COVERING (MEASURED AT TIP RIB) BE SURE BOTH PANELS HAVE THE SAME AMOUNT OF TWIST (WASHOUT)

NOTCH ELEV. FOR TIE BEFORE ASSEMBLY

CUT OUT THIS SECTION AFTER ASSEMBLY

1/8" SHEET BALSA ELEVATOR

1/8" DOWEL ELEV. TIE

HINGE

EK-HR2 HINGES (6 REQ'D)

3/32" X 3/16" BALSA RIBS

3/16" SHEET BALSA

CUT TIP & CENTER RIBS FROM 3/16" X 11/16" X 11-7/8" BALSA

3/16" X 1/4" BALSA LEADING & TRAILING EDGE

NOTE: AFTER ASS'Y TRIM END OF PANEL SMOOTH & EPOXY WEDGE IN PLACE. WHEN DRY TRIM TO MATCH WING CONTOUR. BLOCK UP OTHER PANEL, CHECK FIT & EPOXY TOGETHER

BLOCK UP SO TIP IS RAISED 3-1/2" ABOVE WORK SURFACE

WING CENTER JOINT DETAIL

IMPORTANT NOTE: WRAP COMPLETED CENTER JOINT WITH 3/4" WIDE NYLON TAPE — USE DUCO OR SIMILAR CEMENT & RUB IN SEVERAL COATS

TRIM 1/16" FOR TOP SHEETING (W-2) 2 RIBS

W-3

TRIM (W-1) 4 RIBS

RIB TEMPLATE (18 REQ'D). MODIFY 6 RIBS AS SHOWN BEFORE STARTING ASSEMBLY — 3/32" BALSA

RIB DETAIL

1-3/4" UNDER EACH WING TIP

DIHEDRAL DETAIL

1/8" X 1/2" BALSA

CUT 4 WING GUSSETS AS SHOWN

TRIM AFTER ASS'Y LEAVE CORNER SQUARE

USE FIN AS GAUGE TO SPACE CENTER RIBS 1/8" APART

1/8" AIR-PLY

F-2

F-1 BIRCH 1/8" PLY

MOUNTING HOLES SHOWN FOR GOLDEN BEE. MOUNT WITH #2 X 3/8" SHEET METAL SCREWS (4 REQ'D)

BEVEL

DRILL SMALL HOLES FOR GEAR MOUNT

F-3 1/8" AIR-PLY

3/32" BALSA TOP

3/32" BALSA SIDES

F-1

ADD ONE WASHER HERE BEHIND ENGINE FOR RIGHT THRUST

1/16" PLY BOTTOM

POWER RECOMMENDATIONS

TRAINER: COX #120 GOLDEN BEE
COX #862 6-3 BLACK PROP
COX #2630 MUFFLER

ADVANCED: COX #150 BLACK WIDOW
COX #244 6-3 GRAY PROP
COX #2630 MUFFLER

WING SUPPORT

3/32" X 3/16" BALSA TOP STIFFENER

3/16" △ STOCK

3/32" BALSA

3/32" SHEET BALSA SIDES

1/8" SQ. BALSA STRINGERS

CENTER STRINGER ENDS HERE

SU-PR-LINE NYROD

RUDDER PUSH ROD

CARL GOLDBERG SHORT HORNS & NYLON MINI-LINKS

ELEVATOR PUSH ROD

SU-PR-LINE STUD #SN35

1/8" SQ. BALSA

F-1 F-2 F-3

SAND CONTOUR AFTER ASS'Y

CUT COWL SIDES & BOTTOM FROM 3/16" X 2" X 5-7/8" BALSA

1/16" PLY 1/16" BALSA

SU-PR-LINE NYRODAPTER # NY59 — AJUST LENGTH TO SUIT SERVOS

1/8" SQ. BALSA FILL-IN BETWEEN STRINGERS

DRILL (2) 3/16" HOLES FOR P/R — LOCATE TO SUIT SERVOS (HOLES SHOWN FOR EK LRB)

3/32" SHEET BALSA SIDES

F-3

NOTE: IF RECEIVER IS TOO LARGE TO FIT IN R/C COMPARTMENT CUT OUT THIS FORMER TO SUIT & INSTALL BEHIND SERVOS — MOVE SERVOS FWD. TO BALANCE

COVERING LINE

MAKE THIS FORMER FROM 3/16" X 1/4" BALSA STRIP (F-4)

F-4

VIEW B-B

CUT LINE (REF.)

CUT RUDDER & ELEVATOR FROM 1/8" X 1-3/8" X 17-7/8" STOCK

CUT-OFF THIS SECTION & GLUE TO RUDDER

1/8" SHEET BALSA RUDDER 3" X 3-7/8" STOCK

NOTCH FIN TO CLEAR STAB T.E. — FIN EXTENDS THRU STAB

3/16" X 1/4" BALSA CROSS PIECE

CUT CLEARANCE FOR ELEV. TIE

RUDDER HORN LOCATION

ELEVATOR HORN (USE C/G SHORT HORNS)

3/16" T.E. STOCK

BEND TAIL SKID FROM BOBBY PIN & EPOXY IN PLACE

BEGINNER

ADVANCED

C.G. LOCATION

USE (8) #32 RUBBER BANDS TO ATTACH WING

NOTE: +1/16" INCIDENCE

1/8" X 1/4" FIR CABANE UPRIGHTS & WING SUPPORTS

EPOXY THESE JOINTS

1/8" SQ. BALSA STRINGERS

3/32" X 3/16" TOP STIFFENER (3) PLACES AS SHOWN BY

1/8" SQ. BALSA

DENOTES SIDE OUTLINE

NOTE: WING SUPPORT OUTBOARD OF CABANE

COX GOLDEN BEE .049 & MUFFLER

T.L.

5° DOWN THRUST BUILT IN

F-1 F-2 F-3 F-4

BATTERY PACK

EK-LRB MOUNT WITH FOAM TAPE OR OPTIONAL RAILS

LEFT SIDE OMITTED FOR CLARITY

3/32" SHEET BALSA SIDES

3/32" X 3/16" BALSA STIFFENER

3/16" X 1/4" BALSA CROSS PIECE (TOP & BOTTOM)

ENLARGE CUT OUT TO SUIT BATTERY PACK BEFORE STARTING ASS'Y

NOTCH DOUBLER & 1/16" PLY BOTTOM TO CLEAR GEAR

3/16" BALSA SHAPE AFTER ASS'Y

CUT LOWER DOUBLER FROM 3/32" X 3/4" BALSA STRIP — EPOXY IN PLACE & TRIM TO MATCH SIDE

A A

1/16" PLY

JOINT

LINE UP GUIDES

EPOXY CABANE UPRIGHTS TO SIDES

3/16" △ STOCK REINFORCEMENT LOWER EDGE OF R/C COMPARTMENT

FUSELAGE BOTTOM IS 1/16" SHEET BALSA CROSS GRAIN — CUT FROM 1/16" X 3" X 11-7/8" SHEET

RUDDER P/R EXIT IN RIGHT SIDE

ELEVATOR P/R EXIT IN LEFT SIDE

VIEW A-A

BIND LANDING GEAR WIRE TO F-2 WITH SOFT WIRE — CHECK ALIGNMENT & EPOXY GEAR TO F-2

3/32" MUSIC WIRE

USE CARL GOLDBERG WHEEL RETAINING SPRINGS (WRS-332) OR SIMILAR TO ATTACH WHEEL TO AXLE

1-3/4" OR 2" DIA. WHEELS DUBRO, GOLDBERG OR TREXLER

NOTE: SHIFT R/C GEAR TO HELP ACHIEVE PROPER BALANCE

NOTE: ALL REFERENCE TO AIR-PLY ARE 1/8" POPLAR PLYWOOD

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Q-TEE

DESIGNED & DRAWN BY	LEE RENAUD	INKED BY	DICK KIDD

0 1 2 3 4 5 6

PLAN NO. 625