

WING CONSTRUCTION -

DIHEDRAL: 2" PER PANEL FOR RUDDER FLYING
REDUCE TO 1-1/8" FOR AILERON OPERATION

1. SAND TO AIRFOIL SECTION.

2. CUT WING ALONG CENTER SECTION LINE.

3. BEVEL ROOTS FOR DESIRED DIHEDRAL WITH SANDING BLOCK.

4. JOIN WINGS WITH EPOXY GLUE (5 MINUTE IS ADEQUATE).

5. WRAPING DIHEDRAL JOINT WITH CELASTIC OR FIBERGLASS CLOTH & EPOXY GLUE (OPTIONAL, BUT NOT NECESSARY).

6. FOR AILERONS CUT 7/8" X 18-1/2" PER PANEL USE SAME HINGES AS TAIL HINGE EVERY 3".

STAB & ELEVATOR
1/8" SHEET BALSA

ALL HINGES ARE THREADED -
SEW IN FIGURE "8" FASHION
OR USE SOLARFILM OR
MONOKOTE HINGES

CUT SLOT FOR
RUDDER PUSHROD

3/16" SQ
BALSA
LONGERONS

3/32" PLY DOUBLER

3/16" HARD DOWELS

1/8" PLY SERVO
RAIL BRACE

PRECUT NOSE DECK FOR
RIGHT THRUST

BATTERY
PACK

SWITCH

1/8" X 3/8" PLY
SERVO RAILS

FOAM SERVO TAPE

EPOXY WELL

1/8" SQ RAILS

1/8" PLY

SERVO TAPE

FRONT VIEW

C/R RANGE

BEGINNER

EXPERT

ENGINES: MILD .049 FOR TRAINER
TEE DEE .049 FOR SPORT
OR W/T THROTTLE FOR HOT
3 CHANNEL FLYING

HONKER WEIGHTS:
15-22 OZ. (SOLARFILMED
AIRFRAME - 9 OZ.)

WING SPAN = 36"

WING AREA = 252 SQ IN.

LENGTH = 27-1/2" (PLUS ENGINE)

WING LAYOUT

3" PIECE OF 1/32" PIANO
WIRE ALONG 1/2" FOR
RUBBER BANDS TO RIDE
AGAINST.

OPTIONAL AILERONS

18-1/2"

36"

7/8"

3/8" X 3" X 36" MED BALSA

1/4" X 4" X 36" 9/16" TAPERED
BALSA

OPTIONAL AILERON INSTALLATION

FLATTEN TUBING
& DRILL 1/8" HOLES

3/32" BALSA TURTLEDECK
(GRAIN LENGTHWISE)

1/8" ID BRASS TUBING

1/16" PIANO WIRE

AILERON

APPROX THROWS
1/4" UP
1/4" DOWN

SOLDER

AILERON HORN SLANTED
BACK TO PROVIDE DIFFER-
ENTIAL THROW

FIN & RUDDER
1/8" SHIT BALSA

HORNS CUT
DOWN TO
MOUNTED IN
CENTER OF ELEV

1/8" SQ LONGERONS

3/16" SQ LONGERONS

1/8" SHEET BALSA SIDES

3/32" PLY DOUBLER

3/32" BALSA BOTTOM
SHEETING (CROSSGRAIN)

WINDOW OUTLINES -
CUT FROM REGULAR
MONOKOTE OR
PAPER ON

BOTTOM SHEETING
DIVISION LINE

CANNON 2 CHANNEL
SYSTEM SHOWN & USED
ON RCM PROTOTYPE

OPTIONAL WHEEL
HELD IN PLACE
BY NYLON L/V3 CLIPS
& EPOXY - WHEEL WELL
MADE FROM 1/8" BALSA

1/8" PLY FIREWALL
LEAVE IN UPTHRUST

1/16" PLY BOTTOM

3/16" SQ LONGERONS

NOSE DECK
1/4" SHEET BALSA

DU-BRO E/Z
CONNECTORS

1/8" X 3/16"
BALSA
PUSH-RODS

CANNON
C-ES

1/8" X 3/8" PLY
SERVO RAILS

FOAM SERVO TAPE

EPOXY WELL

1/8" SQ RAILS

1/8" PLY

SERVO TAPE

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'HONKER'

DESIGNED BY
BAC THOMPSON
& DON DEWEY
DRAWN BY
DICK KIDD

TYPICAL CROSS SECTION
OF FUSELAGE CORNER