AILERON

BALSA SHEET
3/32" x 1-1/4" TOP
3/32" x 1-1/2" BOTTOM

1/4" SQ. BALSA
HINGE SPAR

1/4" x 1-1/4" BALSA, TAPERED

TYPICAL HINGE
LOCATION

SCRAP BALSA FILL

WT-3

1/4" MED. BALSA
SHEET

WT-4

3/32" BALSA SHEET,
TOP AND BOTTOM

LEFT WING PLAN

3/16" SQ. BALSA
TOP & BOTTOM

3/8" x 3/16" SPRUCE
SPARS, TOP AND
BOTTOM

3/16" BASSWOOD
DIHEDRAL BRACE

WT-5

WT-2

1/4" DIA.
DOWEL

WT-1

1/4" MED. BALSA
SHEET

W-1 BRACE RIB, L.E.
TO MAIN SPAR

3/8" SQ. BALSA
LEADING EDGE

NOTE: WING MUST BE COVERED WITH
MONOKOTE, ULTRAKOTE, OR
ORACOVER FOR TORSIONAL STRENGTH.

3/16" SQ. BALSA
SPARS

SCRAP BALSA
FILL

1/4" DIA.
DOWEL

WT-1

1/4" MED. BALSA
SHEET

WT-2

WT-5

AILERON SERVO WELL,
RIGHT WING ONLY

3/32" VERT. GRAIN
SHEER WEBS, ALL
BAYS

3/8" SQ. HARDWOOD
SERVO RAILS

3/8" x 3/16" SPRUCE
SPARS, TOP AND
BOTTOM

RIGHT WING PLAN

WT-4

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

3/32" BALSA SHEETING,
TOP AND BOTTOM

3/16" SQ. BALSA
TOP & BOTTOM

TYPICAL HINGE,
USE LAMINATED
HINGES

1/4" MED. BALSA
SHEET

WT-3

NOTCH FOR AIL.
TORQUE ROD

SCRAP BALSA
FILL

USE SIG SH-594
AILERON HORN SET

AILERON

1/4" SQ. BALSA
HINGE SPAR

BALSA SHEET
3/32" x 1-1/4" TOP
3/32" x 1-1/2" BOTTOM

NOTE: 3/4" DIHEDRAL
UNDER EACH
WING TIP RIB

1/4" x 1-1/4" BALSA,
TAPERED

W-3

3/32" BALSA SHEET, C-GRAIN
MAKE 14

WT-5

WT-4

1/4" MED. BALSA
SHEET

NOTE: WRAP CENTER SECTION
WITH 6" WIDE FIBERGLASS
CLOTH AND EPOXY

1/4" BALSA

SET AGAINST
RIB BASE

DIHEDRAL JIG

W-1 BRACE RIB,
L.E. TO DASH LINE

W-2

3/32" BALSA SHEET, C-GRAIN
MAKE 8

3/16" BASSWOOD

NOTE: SCORE TWO
INBOARD RIBS FOR
LATER PUNCH OUT
WHEN ASSEMB. WITH
DIHEDRAL BRACE

ROOT RIB 3/32" BALSA
SHEET - MAKE 2

DIHEDRAL BRACE

WING RIB PATTERNS

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BANDITO

DESIGNED & DRAWN BY	D. B. MATHEWS	INKED BY	JOE DEMARCO

0" 1" 2" 3" 4" 5" 6"