"STARDUSTER"

PLACE LEADING EDGE OF FULL RIB ON THIS LINE, AND CUT TO PROPER LENGTH AT LEADING AND TRAILING EDGES.

TIP REFERENCE LINE

1/4" SHEET - 2 REQ.

TAPER TO 5/16"

SPAR TAPER STARTS AT THIS LINE

TAPER TO 5/16"

FAIRING - 1/4" SHEET

TAPER TO 3/1

SPAR BUTTS

1/4" SHEET

TAPER TO 3/16"

NOTCH 1/8" X 1/2" FOR THE LOWER RIBS

1/16" X 3/16" UPPER RIB REST- (SEE RIB SECTION)

ODD SIZE SPARS ARE CUT FROM 1/8" SHEET

ALL RIBS SLICED FROM 1/8" SHEET - 1/8" DEPTH (SEE RIB SECTION)

FILL ALL RIBS MARKED "X"

LEADING EDGE - 3/8" SQ. LAMINATED OVER 1/8" X 1/2"

(A) - 1/8" X 1/2"

(B) - 1/8" X 21/32"

(C) - 1/8" X 17/32"

(D) - 1/8" X 9/32"

3/32" SQ. ANGLE BRACING

CENTER SECTION PLANKED 1/8" SHEET TOP AND BOTTOM

C_L

TRAILING EDGE - 1/4" X 1" TAPERED

FRONT VIEW

(TANK, GEAR AND 3/16" PLYWOOD FIREWALL)

MICRO TANK - .29 TO .32 (WILL ADAPT TO .19, .23, .35

1/8" SHEET FILL TO REAR

1/4" SHEET

1/8" SHEET PLATFORM SUPPORT

ADD PYLON PLATFORM OF 3/16" SHEET - 1/8" WIDER THAN THE TWO CENTER RIBS - RADIUS THE CORNERS 1/8"

WING HOLD-DOWN - 1/16" WIRE

SHARP CREASE

CABIN: HEAVY CELLULOID CONTACT AT THIS LINE

1/8" SHEET

FORMER CAPS: 3/32" X 3/16' TYPICAL SOFT - SAND TO 3/32" X 1/8" AT TOP OF CABIN

CELLULOID - FULL AREA

1/8" X 3/8"

1/8" SHEET

3/32" PLYWOOD

1/8" X 3/8" ON EACH SIDE OF 1/8" X 1/2" BACKBONE

CROSS-BRACES 8 THROUGH 12 ARE 1/8" SQ. (NO BULKHEADS)

CUT TO FIT THE NATURAL CURVE AFTER 13 AND LOWER CROSS-BRACES ARE IN PLACE

SIDES: 3/32" SHEET - 1/8" SQ. LONGERONS 1/8" SQ. UPRIGHTS

F1 F2 F3 F4 F5 F6 F7 F8 F9 11 12

3/32" PLYWOOD

PLANKING SPLICE

BLIND MOUNTING NUTS

1/8" SQ. LONGERONS

3/32" SHEET PLANKING - CROSS-GRAIN AT 60°

POLYHEDRAL DETAIL - NOT TO SCALE

1 2 3 4 5

2" 4"

TYPICAL SECTION - F8 THROUGH F-12

3/32" PLY

TOP

1/8" X 1/4"

FUSELAGE NOTE: TOP VIEW NOT NECESSARY

LEADING EDGE OF STABILIZER - THREE STRIPS 1/8" X 3/8" LAMINATED

TWO PIECES 3/16" SHEET

1/16" X 1/4" CAP REST

SPAR HEIGHTS AT TIP: (A) - 5/16", (B) - 5/16", (C) - 3/16" AND (D) - 3/16"

ALL SPARS - 1/8" STOCK

(A) - 1/8" X 1/2" DEEP

TWO PIECES 3/16" SHEET - LAMINATED

RIBS MARKED "X" FILLED WITH 1/16" SHEET

(B) - 1/8" X 9/16" DEEP

STABILIZER NOTE: STABILIZER HAS NO FULL RIBS, ALL CAPS. AFTER CAPS ARE COMPLETED, FILL RIBS MARKED "X"

(C) - 1/8" X 7/16" DEEP

CENTER CAPS - 1/16" X 1/2"
ALL OTHERS - 1/16" X 1/4"

(D) - 1/8" X 1/4" DEEP

1/4" SHEET

1/8" X 3/16" SHEET - LAMINATED

TRAILING EDGE - 1-3/16" X 3/16" (CUT FROM SHEET, BEVELLED WITH RAZOR PLANE)

BOTTOM CROSS-BRACES - 1/8" SQ. BY 7/8" LONG (8 THROUGH 12)

TOP 4 1/8"

TOP 5 1/8" SHEET

TOP 2 3/32" PLYWOOD

TOP 3 1/8" SHEET

1/8" DIA. WIRE (TWO WHEEL GEAR)

TOP 7 3/32" PLYWOOD

TOP 6 1/8" SHEET

3/32" X 1/4" STIFFENER

SUB-FIN - 1/16" PLYWOOD, WITH 1/8" SHEET BALSA ON EACH SIDE, BEVELLED

FIN: 3/32" SHEET

REAR KEY - 3/32" PLYWOOD

1/16" SQ. CAP REST

FRONT HOLD-DOWN AND KEY - 3/32" PLYWOOD

STABILIZER POP-UP LIMIT WIRE IS 7-1/4" LONG

1/16" DIA. WIRE STAB HOLD-DOWN

KEY RETAINER SLOTTED - 3/32" PLYWOOD

STABILIZER REST - SLOT 3/32" FOR KEY

STARDUSTER

DESIGNED BY: PAUL GILLIAM AND BOB HUNTER

WINGSPAN - 74" WING AREA - 933.48 SQ. INCHES
POWER - .19 TO .201

NOTCH PLYWOOD SUB-FIN, CEMENT IN PLACE, REINFORCE WITH GAUZE

D.J.M