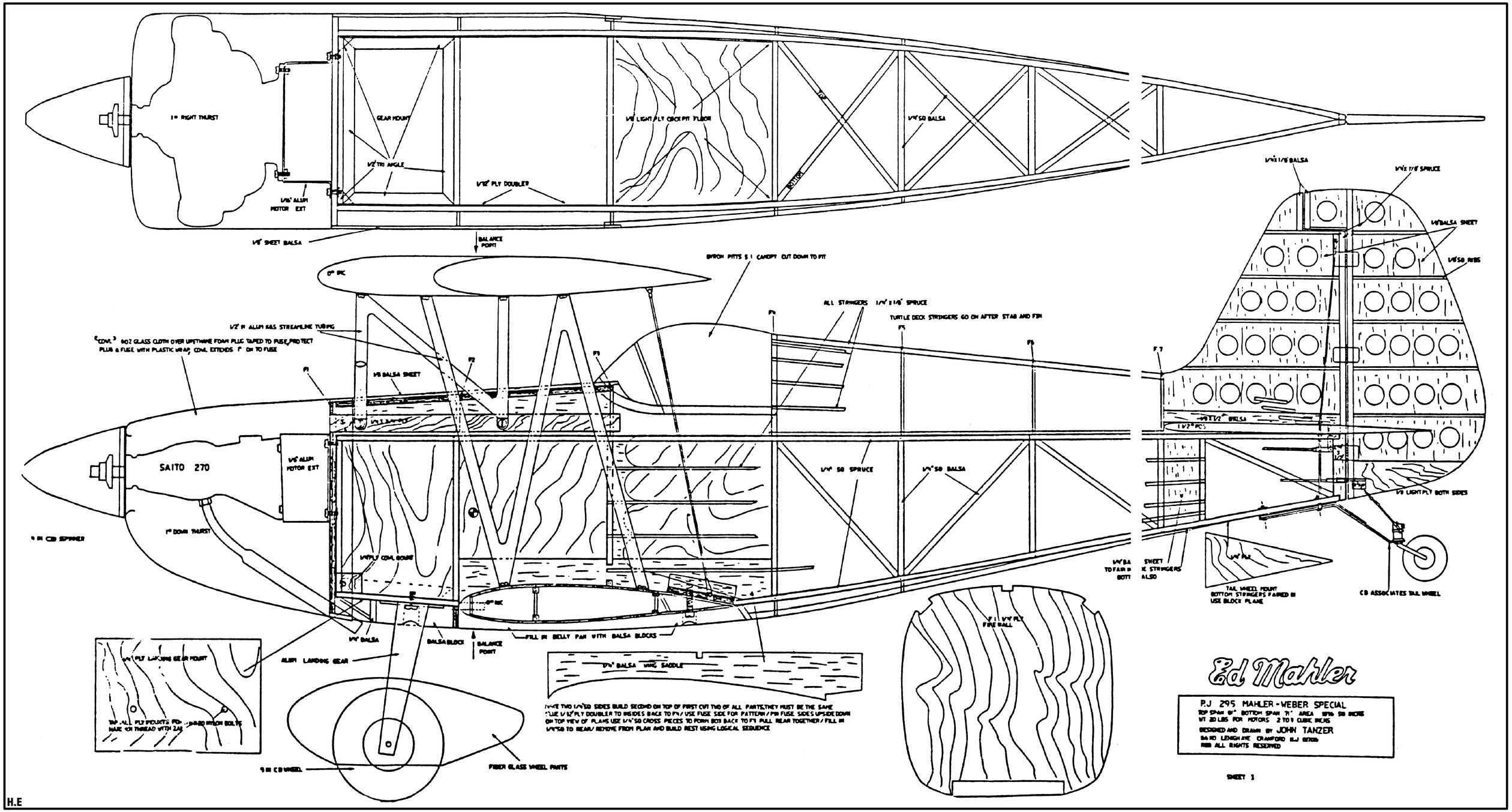
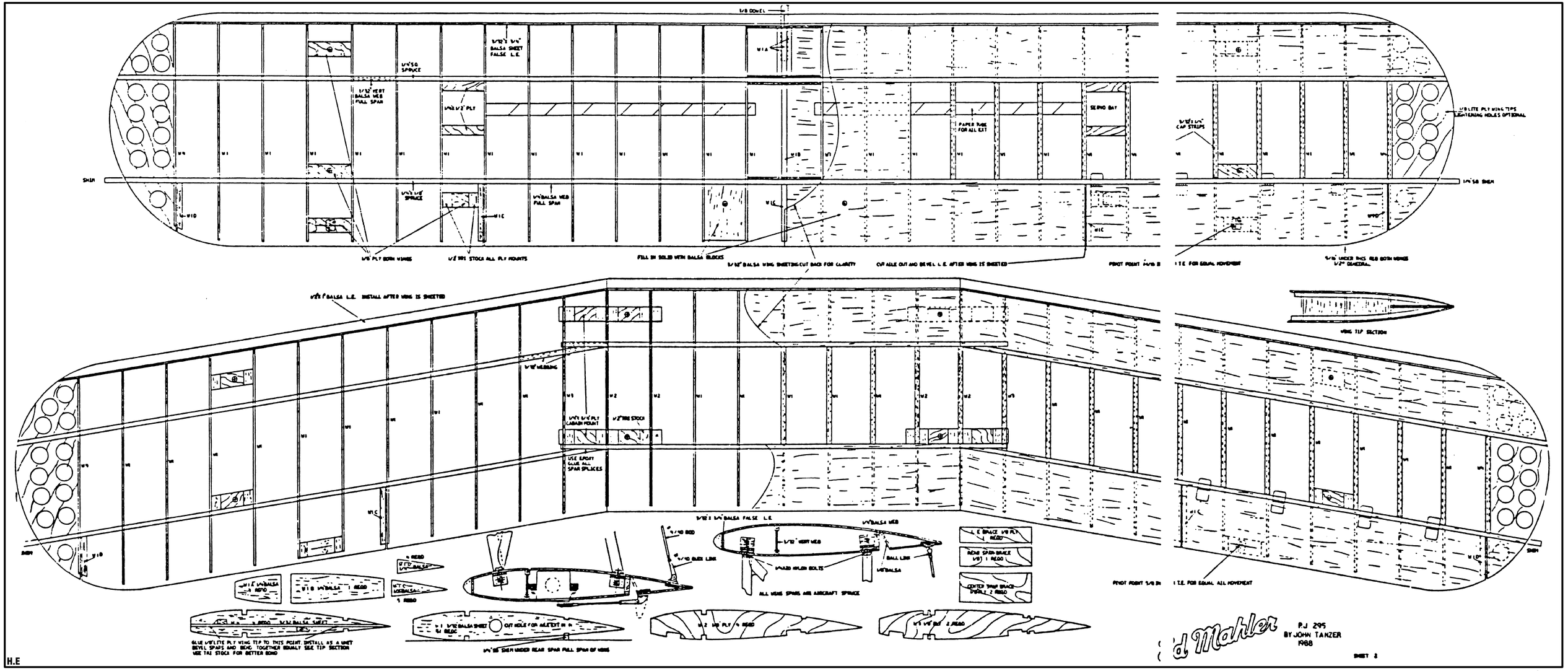

1° RIGHT THURST
GEAR MOUNT
1/2" TRI ANGLE
1/16" ALUM MOTOR EXT
1/8" SHEET BALSA
1/16" LIGHT PLY COCKPIT FLOOR
1/4"SQ BALSA
1/32" PLY DOUBLER
TOP
BOTTOM
BALANCE POINT
BIRCH PITTS S-1 CANOPY CUT DOWN TO FIT
0° INC
ALL STRINGERS 1/4" X 1 1/8" SPRUCE
TURTLE DECK STRINGERS GO ON AFTER STAB AND FIN
1/2" H ALUM KAS STREAMLINE TUBING
"COVL" 6OZ GLASS CLOTH OVER URETHANE FOAM PLUG TAPED TO FUSE, PROTECT PLUG & FUSE WITH PLASTIC WRAP, COVL EXTENDS 1" ON TO FUSE
1/8 BALSA SHEET
SAITO 270
1/16" ALUM MOTOR EXT
1/4" SQ SPRUCE
1/4"SQ BALSA
9 IN CB SPINNER
1° DOWN THURST
1/4" PLY COVL BOWL
0° INC
1/4" BALSA
BALSA BLOCK
BALANCE POINT
FILL IN BELLY PAN WITH BALSA BLOCKS
ALUM LANDING GEAR
1/4" PLY LANDING GEAR MOUNT
TAP ALL PLY MOUNTS FOR NAME OR THREAD WITH 2-56
1/4" BALSA WING SADDLE
MAKE TWO 1/4"SQ SIDES BUILD SECOND ON TOP OF FIRST CUT TWO OF ALL PARTS, THEY MUST BE THE SAME
GLUE 1/32" PLY DOUBLER TO INSIDES BACK TO F4 / USE FUSE SIDE FOR PATTERN / FOR FUSE SIDES UPSIDE DOWN ON TOP VIEW OF PLANS USE 1/4"SQ CROSS PIECES TO FORM BOX BACK TO F1 PULL REAR TOGETHER / FILL IN 1/4"SQ TO REAR / REMOVE FROM PLAN AND BUILD REST USING LOGICAL SEQUENCE
9 IN CB WHEEL
FIBER GLASS WHEEL PANTS
F1 1/4" PLY FIRE WALL
1/4" X 1 1/8" BALSA
1/4" X 1 1/8" SPRUCE
1/8" BALSA SHEET
1/4"SQ RIBS
1/2" BALSA
1/2" PLY BOTH SIDES
1/4" BA TO FAIR IN BOTT
SHEET E STRINGERS ALSO
1/4" PLY
TAIL WHEEL MOUNT BOTTOM STRINGERS FAIRED IN USE BLOCK PLANE
CB ASSOCIATES TAIL WHEEL
Ed Mahler
P.J 295 MAHLER-WEBER SPECIAL
TOP SPAN 84" BOTTOM SPAN 71" AREA 1096 SQ INCHES
WT 20 LBS FOR MOTORS 2 TO 3 CUBIC INCHES
DESIGNED AND DRAWN BY JOHN TANZER
84 NO LEHIGH AVE CRANFORD N.J 07016
RIB ALL RIGHTS RESERVED
SHEET 1

H.E


1/8 DOWEL
1/8"x1/4" BALSA SHEET FALSE L.E.
1/4"x1/4" SPRUCE
1/8"x1/2" VERT BALSA WEB FULL SPAN
1/4"x1/2" PLY
1/4"x1/4" SPRUCE
1/4" BALSA WEB FULL SPAN
SERVO BAY
PAPER TUBE FOR ALL EXT
1/8"x1/4" CAP STRIPS
1/8" LITE PLY WING TIPS LIGHTENING HOLES OPTIONAL
1/4"x6 SHEA
1/8" PLY BOTH WINGS
1/2" TRI STOCK ALL PLY MOUNTS
FILL IN SOLID WITH BALSA BLOCKS
1/16" BALSA WING SHEETING CUT BACK FOR CLARITY
CUT AILE OUT AND BEVEL L.E. AFTER WING IS SHEETED
PIVOT POINT 1/8 IN
TE FOR EQUAL MOVEMENT
1/8" UNDER RIBS BOTH WINGS 1/2" DIHEDRAL
1/4"x1/2" BALSA L.E. INSTALL AFTER WING IS SHEETED
1/4" HARDWOOD
1/4"x1/4" PLY CABAB MOUNT
1/2" TRI STOCK
USE EPOXY GLUE ALL SPAR SPLICES
WING TIP SECTION
1/8"x1/4" BALSA FALSE L.E.
1/4" BALSA WEB
1/8" VERT WEB
1/4" ROD
1/4" GUIDE LINE
HARD HOLDS BOLTS
BALL LINK
1/8" BALSA
ALL WING SPARS ARE AIRCRAFT SPRUCE
L.E. BRACE 1/8 PLY 1 REQD
REAR SPAR BRACE 1/8 1 REQD
CENTER SPAR BRACE 1/8 PLY 1 REQD
PIVOT POINT 1/8 IN
TE FOR EQUAL ALL MOVEMENT
1/8"x1/4" BALSA 2 REQD
1/8"x1/4" BALSA 2 REQD
1/8"x1/4" BALSA 1 REQD
1/4" ROD
1/4" BALSA
1/8"x1/4" BALSA SHEET
1/8"x1/4" BALSA SHEET 1/4 REQD
CUT HOLE FOR ALTEXT IN A
1/8" PLY 4 REQD
1/8" PLY 2 REQD
GLUE 1/8" LITE PLY WING TIP TO THIS POINT. INSTALL AS A UNIT BEVEL SPARS AND REQ TOGETHER EQUALLY SEE TIP SECTION USE TRI STOCK FOR BETTER BOND
1/4"x6 SHEA UNDER REAR SPAR FULL SPAN OF WING
d Mahler
PJ 295
BY JOHN TANZER
1988
SHEET 3
H.E