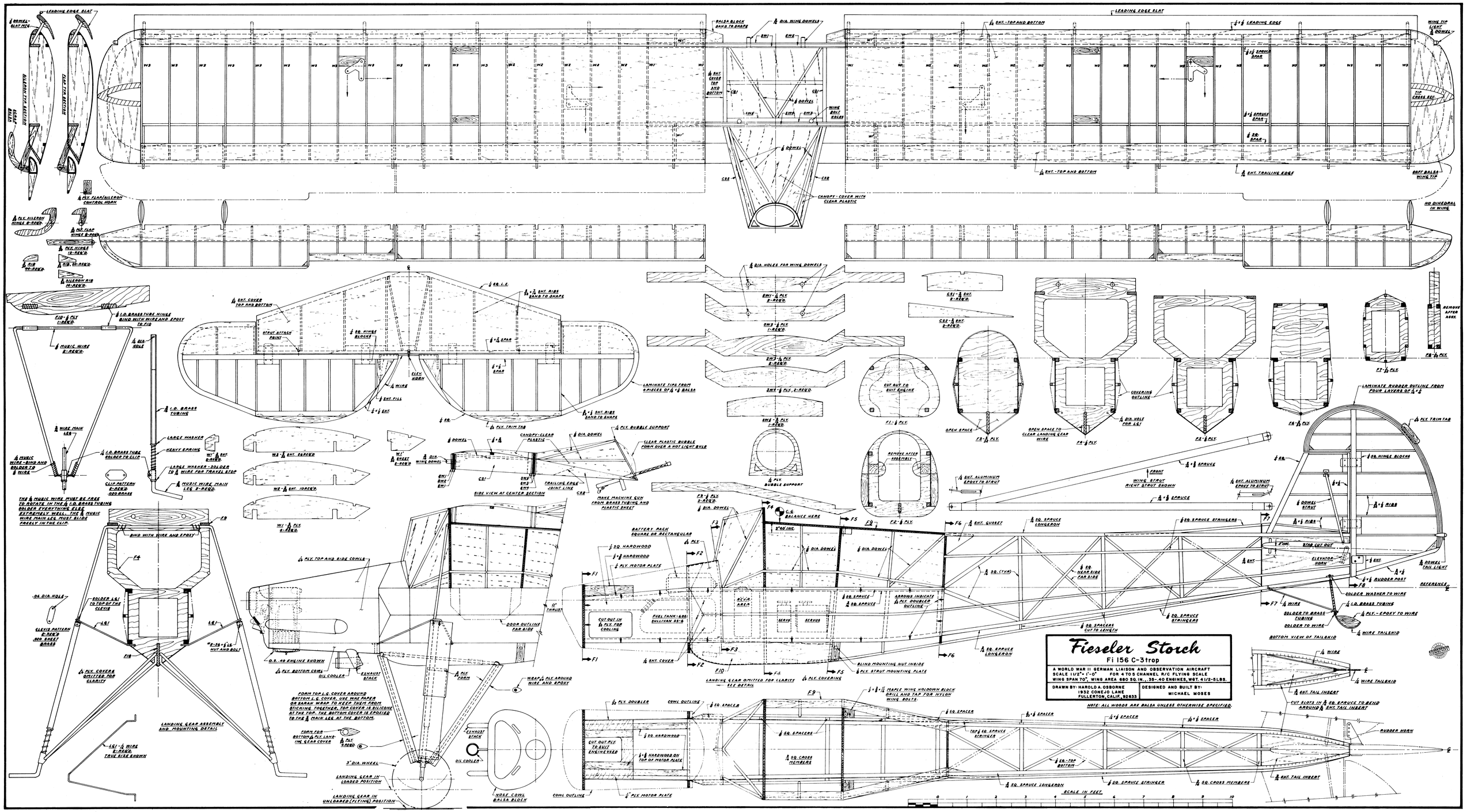
Fieseler Storch
Fi 156 C-3trop
A WORLD WAR II GERMAN LIAISON AND OBSERVATION AIRCRAFT
SCALE 1 1/2" = 1'-0"
FOR 4 TO 5 CHANNEL R/C FLYING SCALE
WING SPAN 70", WING AREA 680 SQ. IN., .35-.40 ENGINES, WGT. 4 1/2-5 LBS.
DRAWN BY: HAROLD A. OSBORNE
1932 CONEJO LANE
FULLERTON, CALIF. 92633
DESIGNED AND BUILT BY:
MICHAEL MOSES
NOTE: ALL WOODS ARE BALSA UNLESS OTHERWISE SPECIFIED.
SCALE IN FEET
LANDING GEAR ASSEMBLY AND MOUNTING DETAIL
THE MUSIC WIRE MUST BE FREE TO ROTATE IN THE I.D. BRASS TUBING. SOLDER EVERYTHING ELSE RETAINED WELL. THE MUSIC WIRE MAIN LEG MUST SLIDE FREELY IN THE CLIP.
SIDE VIEW AT CENTER SECTION
MAKE MACHINE GUN FROM BRASS TUBING AND PLASTIC SHEET
BOTTOM VIEW OF TAILSKID
LANDING GEAR OMITTED FOR CLARITY - SEE DETAIL
LANDING GEAR IN LOADED POSITION
LANDING GEAR IN UNLOADED (FLYING) POSITION
FORM TOP L.G. COVER AROUND BOTTOM L.G. COVER. USE WAX PAPER OR SARAN WRAP TO KEEP THEM FROM STICKING TOGETHER. TOP COVER IS SILICONE AT THE TOP. THE BOTTOM COVER IS EPOXIED TO THE MAIN LEG AT THE BOTTOM.
CANOPY-COVER WITH CLEAR PLASTIC
LEADING EDGE SLAT
TRAILING EDGE
WING TIP
NO DIHEDRAL IN WING
REMOVE AFTER ASSEMBLY
LAMINATE RUDDER OUTLINE FROM FOUR LAYERS OF 1/4 x 1/4
RUDDER HORN
ELEVATOR HORN
RUDDER POST
WIRE TAILSKID
WIRE
CUT SLOTS IN 1/4 SQ. SPRUCE TO BEND AROUND 1/8" SHT. TAIL INSERT
1/8" SHT. TAIL INSERT
SQ. CROSS MEMBERS
SQ. SPRUCE STRINGER
SQ. SPRUCE LONGERON
SQ. SPRUCE STRINGERS
SQ. SPRUCE LONGERON
SQ. SPACERS CUT TO LENGTH
SQ. SPRUCE STRINGERS
SQ. (TYP.)
1/8" SHT. GUSSET
SQ. SPRUCE LONGERON
SQ. SPRUCE STRINGER
SQ. SPACERS
SQ. CROSS MEMBERS
SQ. SPACER
SQ. SPACER
SQ. SPACER
SQ. SPACER
TOP SQ. SPRUCE STRINGER
SQ. TOP BOTTOM
SQ. SPACER
SQ. SPACERS
SQ. HARDWOOD ON TOP OF MOTOR PLATE
CUT OUT PLY TO SUIT ENGINE USED
1/4" PLY MOTOR PLATE
COWL OUTLINE
PLY. DOUBLER
NOSE COWL BALSA BLOCK
OIL COOLER
EXHAUST STACK
3" DIA. WHEEL
PLY. FORM
WRAP 1/4 PLY AROUND WIRE AND EPOXY
PLY. COVERING
PLY. STRUT MOUNTING PLATE
BLIND MOUNTING NUT INSIDE
1/8" SHT. COVER
SQ. SPACERS
SQ. SPRUCE
ARROWS INDICATE PLY DOUBLER OUTLINE
SERVO
SERVOS
REV'S AREA
FUEL TANK - 6OZ. SULLIVAN 35-6
CUT OUT IN PLY. FOR COOLING
PLY. MOTOR PLATE
1/4 HARDWOOD
1/4 SQ. HARDWOOD
BATTERY PACK SQUARE OR RECTANGULAR
C.G. BALANCE HERE
2"x60 INC.
MAPLE WING HOLDOWN BLOCK DRILL AND TAP FOR NYLON WING BOLTS
DOOR OUTLINE FAR SIDE
PLY. TOP AND SIDE COWLS
OS. .40 ENGINE SHOWN
PLY. BOTTOM COWL
OIL COOLER
EXHAUST STACK
#2-56-1/16 NUT AND BOLT
PLY. COVER OMITTED FOR CLARITY
ELEVIS PATTERN 2-REQ'D .060 SHEET BRASS
.06 DIA. HOLE
SOLDER L.G. TO TOP OF THE ELEVIS
LGI - 1/4 WIRE 2-REQ'D. TRUE BIKE SHOWN
BIND WITH WIRE AND EPOXY
WIRE MAIN LEG
MUSIC WIRE - BIND AND SOLDER TO WIRE
I.D. BRASS TUBE SOLDER TO CLIP
LARGE WASHER - SOLDER TO WIRE FOR TRAVEL STOP
CLIP PATTERN 2-REQ'D. .020 BRASS
MUSIC WIRE MAIN LEG 2-REQ'D.
LARGE WASHER
HEAVY SPRING
I.D. BRASS TUBING
DIA. HOLE
MUSIC WIRE 2-REQ'D.
I.D. BRASS TUBE HINGE BIND WITH WIRE AND EPOXY TO F10
F10 - 1/4 PLY 1-REQ'D.
PLY. FLAP/AILERON CONTROL HORN
PLY. AILERON HINGE 8-REQ'D.
PLY. FLAP HINGE 8-REQ'D.
PLY. HINGE 18-REQ'D.
RIB 18-REQ'D.
RIB 10-REQ'D.
AILERON RIB 18-REQ'D.
AILERON-TYP. SECTION
FLAP-TYP. SECTION
BALSA BLOCK SAND TO SHAPE
1/4 DIA. WING DOWELS
1/8" SHT. COVER TOP AND BOTTOM
WING BOLT HOLES
1/4 DIA. HOLES FOR WING DOWELS
SW1 - 1/4 PLY 2-REQ'D.
SW2 - 1/4 PLY 1-REQ'D.
SW3 - 1/4 PLY 2-REQ'D.
SW4 - 1/4 PLY 2-REQ'D.
SW5 - 1/4 PLY 2-REQ'D.
SW6 - 1/4 PLY 1-REQ'D.
CS1 - 1/8" SHT. 2-REQ'D.
CS2 - 1/8" SHT. 2-REQ'D.
F1 - 1/4 PLY
F2 - 1/4 PLY
F3 - 1/4 PLY
F4 - 1/4 PLY
F5 - 1/4 PLY
F6 - 1/4 PLY
F7 - 1/4 PLY
F8 - 1/4 PLY
F9 - 1/4 PLY
F10 - 1/4 PLY 2-REQ'D.
W1 - 1/4 PLY 2-REQ'D.
W2 - 1/8" SHT. 10-REQ'D.
W3 - 1/8" SHT. 8-REQ'D.
W4 - 1/8" SHT. 2-REQ'D.
W5 - 1/8" SHT. 2-REQ'D.
W6 - 1/8" SHT. 2-REQ'D.
1/8" SHT. COVER TOP AND BOTTOM
1/4 SQ. L.E.
1/8" SHT. RIBS SAND TO SHAPE
STRUT ATTACH POINT
1/4 SQ. HINGE BLOCKS
1/4 x 1/4 SPAR
ELEV. HORN
1/4 WIRE
1/8" SHT. FILL
1/4 x 1/4 SHT.
1/4 SQ.
PLY. TRIM TAB
LAMINATE TIPS FROM 4 PIECES OF 1/4 x 1/4 BALSA
1/4 x 1/4 SHT. RIBS SAND TO SHAPE
1/8" SHT. COVER TOP AND BOTTOM
1/4 x 1/4 LEADING EDGE
1/4 x 1/4 SPRUCE SPAR
1/4 SQ. SPAR
1/8" SHT. TRAILING EDGE
1/8" SHT. TOP AND BOTTOM
WING TIP LIGHT
DOWEL
TIP CROSS SEC.
SOFT BALSA WING TIP
DOWEL
CANOPY-CLEAR PLASTIC
1/4 DIA. DOWEL
PLY. BUBBLE SUPPORT
CLEAR PLASTIC BUBBLE FORM OVER A HOT LIGHT BULB
DIA. WING DOWEL
TRAILING EDGE JOINT LINE
PLY. BUBBLE SUPPORT
CUT OUT TO SUIT ENGINE
OPEN SPACE
OPEN SPACE TO CLEAR LANDING GEAR WIRE
COVERING OUTLINE
1/4 DIA. HOLE FOR LGI
F1 - 1/4 PLY
F2 - 1/4 PLY
F3 - 1/4 PLY
F4 - 1/4 PLY
F5 - 1/4 PLY
F6 - 1/4 PLY
F7 - 1/4 PLY
F8 - 1/4 PLY
F9 - 1/4 PLY
1/8" SHT. ALUMINUM EPOXY TO STRUT
WING STRUT RIGHT STRUT SHOWN
1/4 x 1/4 SPRUCE
1/4 SQ.
1/4 SQ. HINGE BLOCKS
1/4 x 1/4 RIBS
1/4 x 1/4 RIBS
DOWEL STRUT
1/8" SHT. STAB CUT OUT
1/8" SHT.
DOWEL TAIL LIGHT
1/4 x 1/4 RUDDER POST
SOLDER WASHER TO WIRE
1/4 I.D. BRASS TUBING
PLY. - EPOXY TO WIRE
SOLDER TO BRASS TUBING
SOLDER TO WIRE
1/4 WIRE
1/4 DIA. DOWEL
1/4 DIA. DOWEL
1/4 DIA. DOWEL