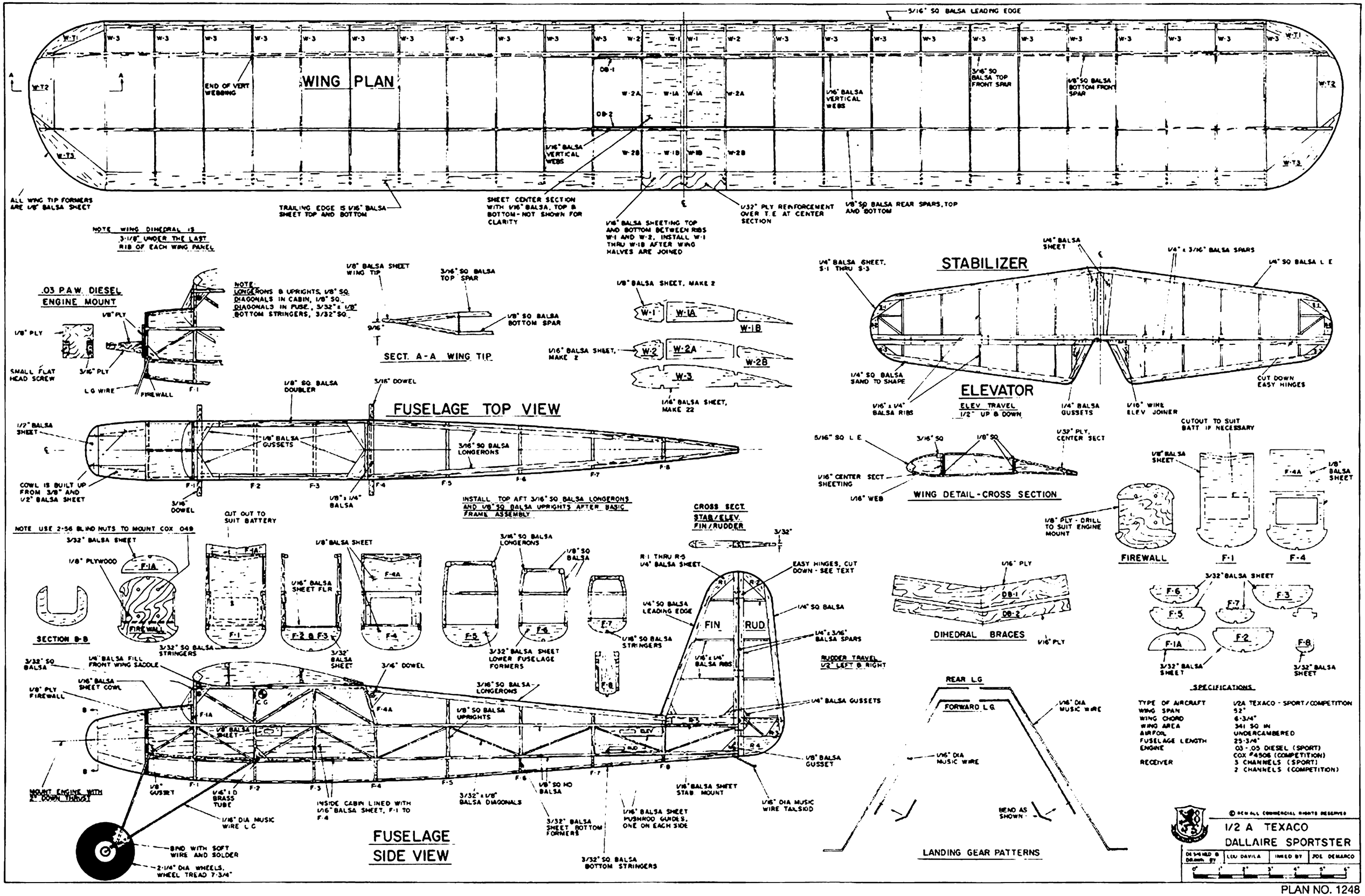
WING PLAN
3/16" SQ BALSA LEADING EDGE
END OF VERT WEBBING
3/16" SQ BALSA TOP FRONT SPAR
1/8" SQ BALSA BOTTOM FRONT SPAR
1/16" BALSA VERTICAL WEBS
ALL WING TIP FORMERS ARE 1/8" BALSA SHEET
TRAILING EDGE IS 1/16" BALSA SHEET TOP AND BOTTOM
SHEET CENTER SECTION WITH 1/16" BALSA, TOP & BOTTOM - NOT SHOWN FOR CLARITY
1/8" BALSA SHEETING TOP AND BOTTOM BETWEEN RIBS W-1 AND W-2, INSTALL W-1 THRU W-1B AFTER WING HALVES ARE JOINED
1/32" PLY REINFORCEMENT OVER T.E AT CENTER SECTION
1/8" SQ BALSA REAR SPARS, TOP AND BOTTOM
NOTE WING DIHEDRAL IS 3-1/8" UNDER THE LAST RIB OF EACH WING PANEL
.03 P.A.W. DIESEL ENGINE MOUNT
1/8" PLY
SMALL FLAT HEAD SCREW
3/16" PLY
L.G WIRE
FIREWALL
NOTE: LONGERONS & UPRIGHTS, 1/8" SQ. DIAGONALS IN CABIN, 1/8" SQ. DIAGONALS IN FUSE., 3/32" x 1/8" BOTTOM STRINGERS, 3/32" SQ.
1/8" BALSA SHEET WING TIP
3/16" SQ BALSA TOP SPAR
1/8" SQ BALSA BOTTOM SPAR
SECT. A-A WING TIP
1/8" BALSA SHEET, MAKE 2
1/16" BALSA SHEET, MAKE 2
1/16" BALSA SHEET, MAKE 22
STABILIZER
1/4" BALSA SHEET
1/4" BALSA SHEET, S-1 THRU S-3
1/4" x 3/16" BALSA SPARS
1/4" SQ BALSA L.E
1/4" SQ BALSA SAND TO SHAPE
1/16" x 1/4" BALSA RIBS
ELEVATOR
ELEV TRAVEL 1/2" UP & DOWN
1/4" BALSA GUSSETS
1/16" WIRE ELEV JOINER
CUT DOWN EASY HINGES
FUSELAGE TOP VIEW
1/2" BALSA SHEET
1/8" BALSA GUSSETS
3/16" SQ BALSA LONGERONS
COWL IS BUILT UP FROM 3/8" AND 1/2" BALSA SHEET
3/16" DOWEL
1/8" SQ BALSA DOUBLER
3/16" DOWEL
1/8" x 1/4" BALSA
INSTALL TOP AFT 3/16" SQ BALSA LONGERONS AND 1/8" SQ BALSA UPRIGHTS AFTER BASIC FRAME ASSEMBLY
5/16" SQ L.E
3/16" SQ
1/8" SQ
1/32" PLY, CENTER SECT
1/16" CENTER SECT SHEETING
1/16" WEB
WING DETAIL - CROSS SECTION
CUTOUT TO SUIT BATT IF NECESSARY
1/8" BALSA SHEET
1/8" PLY - DRILL TO SUIT ENGINE MOUNT
FIREWALL
F-1
F-4
NOTE USE 2-56 BLIND NUTS TO MOUNT COX 049
3/32" BALSA SHEET
1/8" PLYWOOD
CUT OUT TO SUIT BATTERY
1/8" BALSA SHEET
3/16" SQ BALSA LONGERONS
1/8" SQ BALSA
CROSS SECT STAB/ELEV. FIN/RUDDER
3/32"
R-1 THRU R-5 1/4" BALSA SHEET
EASY HINGES, CUT DOWN - SEE TEXT
1/16" BALSA SHEET FLR
SECTION B-B
3/32" SQ BALSA STRINGERS
3/32" BALSA SHEET
3/32" BALSA SHEET LOWER FUSELAGE FORMERS
1/8" SQ BALSA STRINGERS
1/4" SQ BALSA LEADING EDGE
1/4" SQ BALSA
1/4" x 3/16" BALSA SPARS
FIN
RUD
1/16" x 1/4" BALSA RIBS
RUDDER TRAVEL 1/2" LEFT & RIGHT
1/16" PLY
DB-1
DB-2
DIHEDRAL BRACES
1/16" PLY
3/32" BALSA SHEET
F-6
F-7
F-3
F-5
F-2
F-1A
F-8
3/32" BALSA SHEET
3/32" BALSA SHEET
3/32" SQ BALSA
1/4" BALSA FILL FRONT WING SADDLE
1/16" BALSA SHEET COWL
1/8" PLY FIREWALL
3/16" DOWEL
3/16" SQ BALSA LONGERONS
1/8" SQ BALSA UPRIGHTS
1/4" BALSA GUSSETS
1/8" BALSA GUSSET
MOUNT ENGINE WITH 1/2" DOWN THRUST
1/8" GUSSET
1/16" I.D BRASS TUBE
1/16" DIA MUSIC WIRE L.G
INSIDE CABIN LINED WITH 1/16" BALSA SHEET, F-1 TO F-4
3/32" x 1/8" BALSA DIAGONALS
1/8" SQ NO BALSA
3/32" BALSA SHEET BOTTOM FORMERS
1/16" BALSA SHEET PUSHROD GUIDES, ONE ON EACH SIDE
1/16" BALSA SHEET STAB MOUNT
1/16" DIA MUSIC WIRE TAILSKID
3/32" SQ BALSA BOTTOM STRINGERS
BIND WITH SOFT WIRE AND SOLDER
2-1/4" DIA WHEELS, WHEEL TREAD 7-3/4"
FUSELAGE SIDE VIEW
REAR LG
FORWARD LG
1/16" DIA MUSIC WIRE
1/16" DIA MUSIC WIRE
BEND AS SHOWN
LANDING GEAR PATTERNS
SPECIFICATIONS
TYPE OF AIRCRAFT 1/2A TEXACO - SPORT/COMPETITION
WING SPAN 52"
WING CHORD 6-3/4"
WING AREA 341 SQ IN
AIRFOIL UNDERCAMBERED
FUSELAGE LENGTH 25-3/4"
ENGINE .03 - .05 DIESEL (SPORT) COX #4506 (COMPETITION)
RECEIVER 3 CHANNELS (SPORT) 2 CHANNELS (COMPETITION)
© 1974 ALL COMMERCIAL RIGHTS RESERVED
1/2 A TEXACO
DALLAIRE SPORTSTER
DESIGNED & DRAWN BY LUIS DAVILA
INKED BY JOE DEMARCO

PLAN NO. 1248