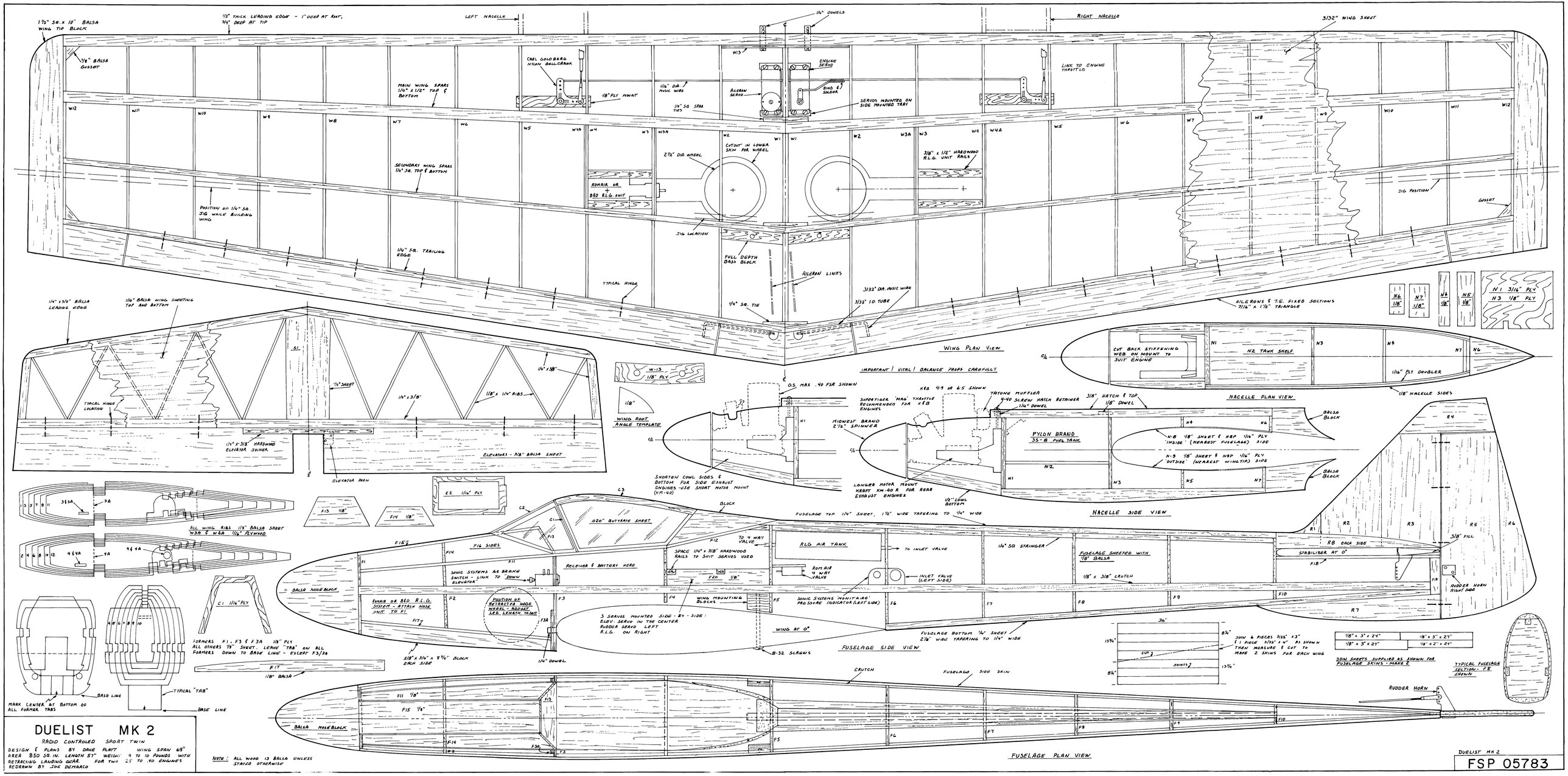
1 1/2" SQ. x 10" BALSA WING TIP BLOCK
1/8" BALSA GUSSET
1/2" THICK LEADING EDGE - 1" DEEP AT ROOT, 3/4" DEEP AT TIP
LEFT NACELLE
RIGHT NACELLE
1/4" DOWELS
3/32" WING SHEET
CARL GOLDBERG NYLON BELLCRANK
ENGINE SERVO
BIND & SOLDER
SERVOS MOUNTED ON SIDE MOUNTING TRAY
LINK TO ENGINE THROTTLE
AILERON SERVO
1/16" DIA. MUSIC WIRE
1/8" PLY MOUNT
1/4" SQ. SPAR TIES
MAIN WING SPARS 1/4" x 1/2" TOP & BOTTOM
SECONDARY WING SPARS 1/4" SQ. TOP & BOTTOM
POSITION ON 1/4" SQ. JIG WHILE BUILDING WING
CUTOUT IN LOWER SKIN FOR WHEEL
2 1/2" DIA WHEEL
3/8" x 1/2" HARDWOOD R.L.G. UNIT RAILS
ROMAIR OR BSD R.L.G. UNIT
JIG LOCATION
FULL DEPTH BASS BLOCK
1/4" SQ. TRAILING EDGE
TYPICAL HINGE
AILERON LINKS
3/32" DIA. MUSIC WIRE
3/32" I.D. TUBE
1/4" SQ. TIE
JIG POSITION
GUSSET
AILERONS & T.E. FIXED SECTIONS 7/16" x 1 1/2" TRIANGLE
N6 1/8"
N7 1/8"
N4 1/8"
N5 1/8"
N1 3/16" PLY
N3 1/8" PLY
WING PLAN VIEW
IMPORTANT! VITAL! BALANCE PROPS CAREFULLY
1/4" x 3/8" BALSA LEADING EDGE
1/16" BALSA WING SHEETING TOP AND BOTTOM
1/4" SHEET
1/4" x 3/8"
1/8" x 1/4" RIBS
TYPICAL HINGE LOCATION
1/4" x 3/8" HARDWOOD ELEVATOR JOINER
ELEVATORS - 3/8" BALSA SHEET
ELEVATOR HORN
W-13 1/8" PLY
1/8"
WING ROOT ANGLE TEMPLATE
CUT BACK STIFFENING WEB ON MOUNT TO SUIT ENGINE
N1
N2 TANK SHELF
N3
N4
N7
N6
1/16" PLY DOUBLER
1/8" NACELLE SIDES
NACELLE PLAN VIEW
O.S. MAX .40 FSR SHOWN
SUPERTIGER 'MAG' THROTTLE RECOMMENDED FOR K&B ENGINES
K&B 4-9 OR 6.5 SHOWN
TATONE MUFFLER
4-40 SCREW HATCH RETAINER
1/16" DOWEL
3/8" HATCH & TOP 1/8" DOWEL
MIDWEST BRAND 2 1/2" SPINNER
PYLON BRAND 55-B FUEL TANK
BALSA BLOCK
N-8 1/8" SHEET & NSP 1/16" PLY 'INSIDE' (NEAREST FUSELAGE) SIDE
N-9 1/8" SHEET & NSP 1/16" PLY 'OUTSIDE' (NEAREST WINGTIP) SIDE
SHORTEN COWL SIDES & BOTTOM FOR SIDE EXHAUST ENGINES - USE SHORT MOTOR MOUNT (KM-40)
LONGER MOTOR MOUNT KRAFT KM-80 R FOR REAR EXHAUST ENGINES
1/2" COWL BOTTOM
NACELLE SIDE VIEW
R4
ALL WING RIBS 1/8" BALSA SHEET W3A & W4A 1/16" PLYWOOD
C2 1/16" PLY
F13 1/8"
F14 1/8"
.020" BUTYRATE SHEET
BLOCK
FUSELAGE TOP 1/16" SHEET, 1 1/2" WIDE TAPERING TO 1/4" WIDE
F16 SIDES
RECEIVER & BATTERY HERE
SPACE 1/4" x 3/8" HARDWOOD RAILS TO SUIT SERVOS USED
TO 4 WAY VALVE
R.L.G. AIR TANK
TO INLET VALVE
1/4" SQ STRINGER
FUSELAGE SHEATED WITH 1/8" BALSA
R8 EACH SIDE
STABILIZER AT 0°
3/8" FILL
SONIC SYSTEMS AIR BRAKE SWITCH - LINK TO DOWN ELEVATOR
ROMAIR OR BSD R.L.G. SYSTEM - ATTACH NOSE UNIT TO F1
POSITION OF RETRACTS NOSE WHEEL - ADJUST LEG LENGTH TO SUIT
WING MOUNTING BLOCKS
ROMAIR 4 WAY VALVE
INLET VALVE (LEFT SIDE)
1/8" x 3/8" CRUTCH
RUDDER HORN RIGHT SIDE
BALSA NOSE BLOCK
3 SERVOS MOUNTED SIDE-BY-SIDE: ELEV. SERVO IN THE CENTER RUDDER SERVO LEFT R.L.G. ON RIGHT
SONIC SYSTEMS MANIFAIRE PRESSURE INDICATOR (LEFT SIDE)
WING AT 0°
FUSELAGE BOTTOM 1/16" SHEET 2 1/2" WIDE TAPERING TO 1/4" WIDE
8-32 SCREWS
1/4" DOWEL
5/8" x 3/4" x 8 3/4" BLOCK EACH SIDE
FUSELAGE SIDE VIEW
FORMERS F1, F3 & F3A 1/8" PLY
ALL OTHERS 1/8" SHEET. LEAVE "TAB" ON ALL FORMERS DOWN TO BASE LINE - EXCEPT F3/3A
F17
1/8" BALSA
BASE LINE
TYPICAL "TAB"
MARK CENTER AT BOTTOM OF ALL FORMER TABS
CRUTCH
FUSELAGE SIDE SKIN
RUDDER HORN
BALSA NOSE BLOCK
FUSELAGE PLAN VIEW
34"
13 3/4"
8 3/4"
CUT
JOINTS
JOIN & PIECES 3/32" x 3" (1 PIECE 3/32" x 4" AS SHOWN THEN MEASURE & CUT TO MAKE 2 SKINS FOR EACH WING
1/8" x 3" x 24"
1/8" x 3" x 27"
1/8" x 2" x 27"
1/8" x 2" x 24"
JOIN SHEETS SUPPLIED AS SHOWN FOR FUSELAGE SKINS - MARK 2
TYPICAL FUSELAGE SECTIONS - F8 SHOWN
DUELIST MK 2
RADIO CONTROLED SPORT TWIN
DESIGN & PLANS BY DAVE PLATT WING SPAN 69"
AREA 850 SQ. IN. LENGTH 57" WEIGHT 9 TO 10 POUNDS WITH
RETRACTING LANDING GEAR. FOR TWO .25 TO .40 ENGINES
REDRAWN BY JOE DEMARCO
NOTE: ALL WOOD IS BALSA UNLESS STATED OTHERWISE
DUELIST MK 2
FSP 05783