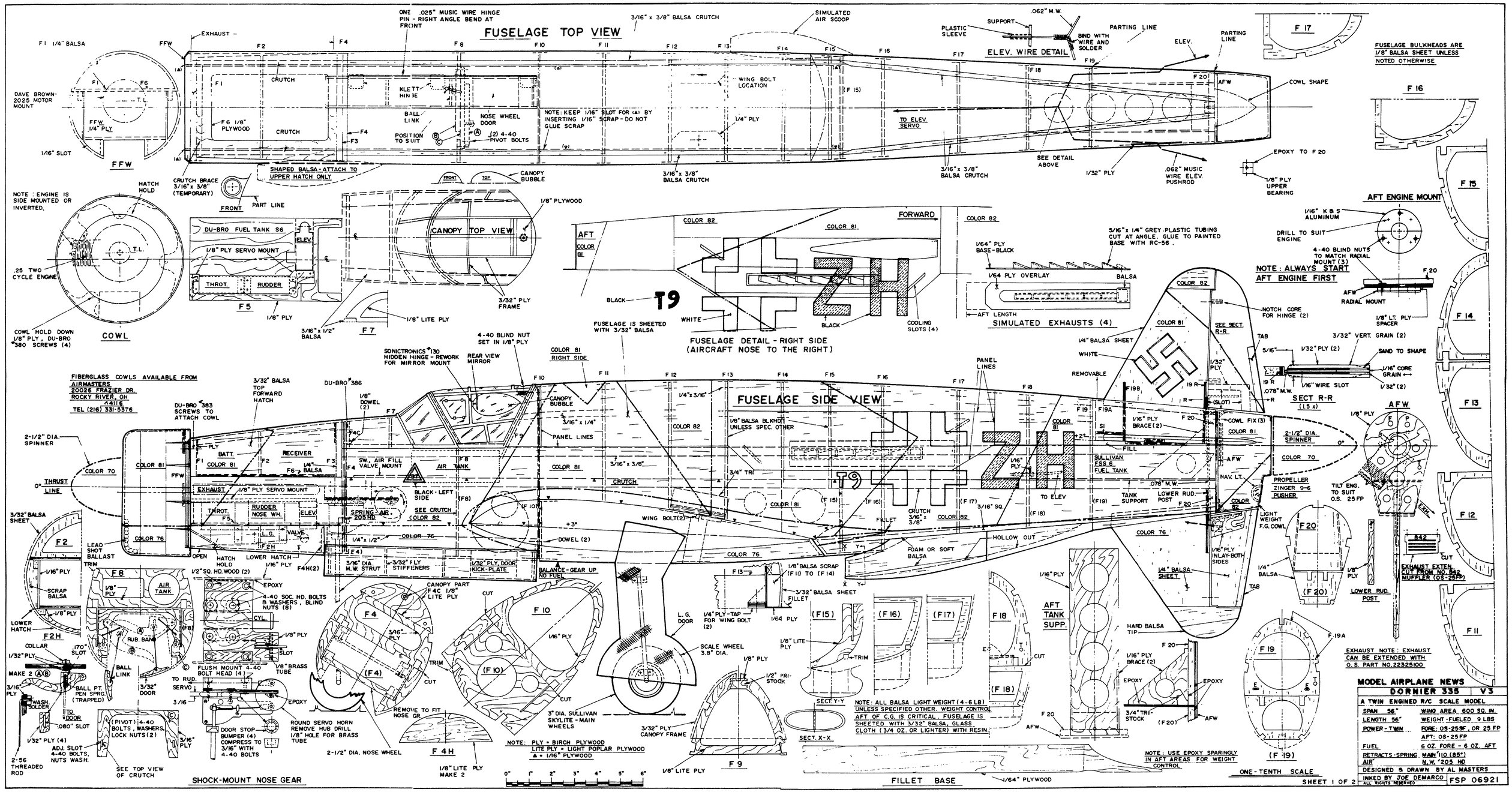
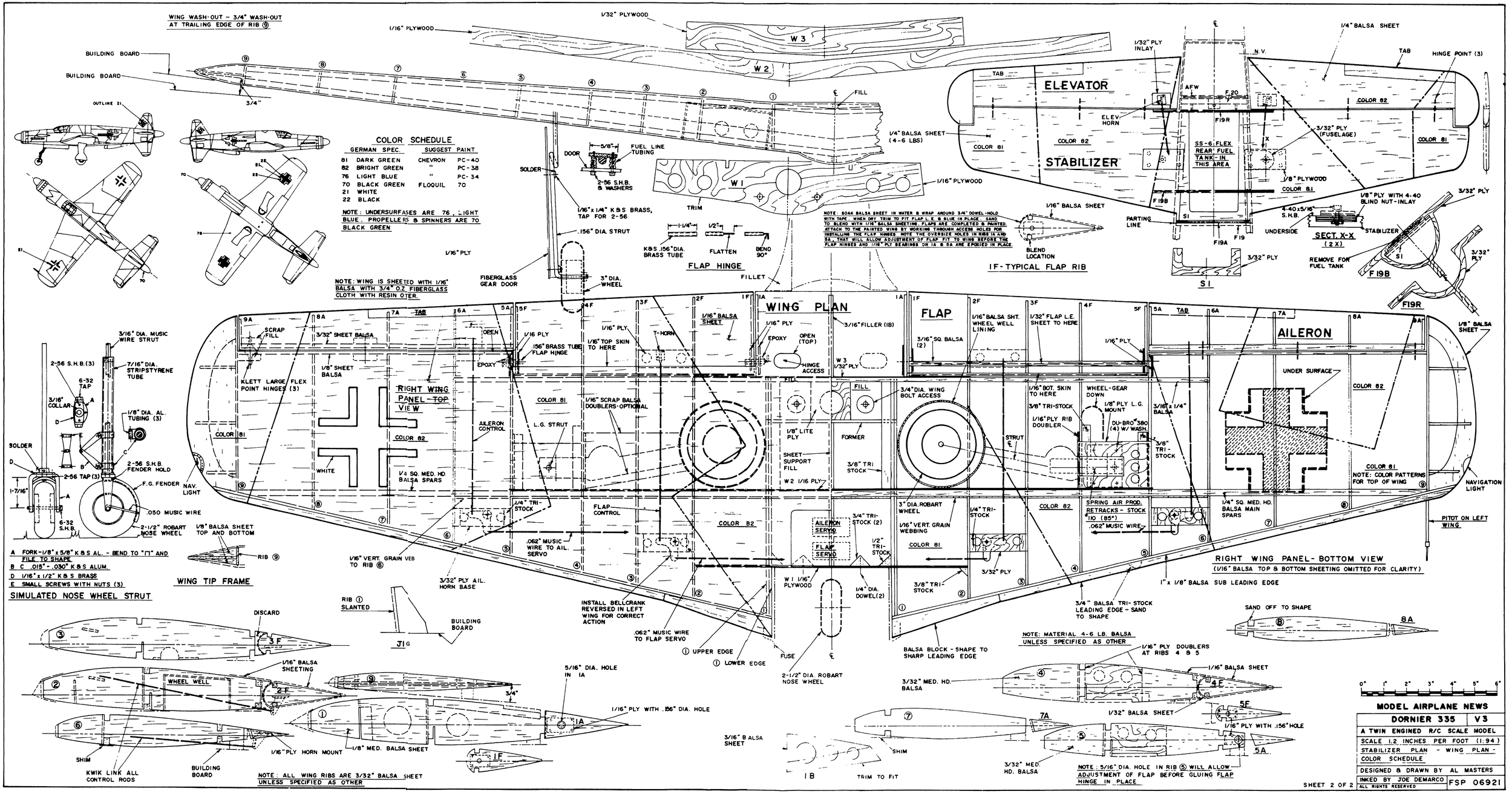

FUSELAGE TOP VIEW
ONE .025" MUSIC WIRE HINGE PIN - RIGHT ANGLE BEND AT FRONT
3/16" x 3/8" BALSA CRUTCH
SIMULATED AIR SCOOP
ELEV. WIRE DETAIL
PLASTIC SLEEVE
SUPPORT
.062" M.W.
BIND WITH WIRE AND SOLDER
PARTING LINE
ELEV.
F 17
FUSELAGE BULKHEADS ARE 1/8" BALSA SHEET UNLESS NOTED OTHERWISE
F1 1/4" BALSA
EXHAUST
FFW
DAVE BROWN 2025 MOTOR MOUNT
FFW 1/4" PLY
1/16" SLOT
CRUTCH
F6 1/8" PLYWOOD
KLETT HINGE
BALL LINK
POSITION TO SUIT
NOSE WHEEL DOOR
(2) 4-40 PIVOT BOLTS
NOTE: KEEP 1/16" SLOT FOR (A) BY INSERTING 1/16" SCRAP - DO NOT GLUE SCRAP
WING BOLT LOCATION
1/4" PLY
TO ELEV. SERVO
SEE DETAIL ABOVE
1/32" PLY
.062" MUSIC WIRE ELEV. PUSHROD
EPOXY TO F 20
1/8" PLY UPPER BEARING
COWL SHAPE
AFW
SHAPED BALSA - ATTACH TO UPPER HATCH ONLY
CRUTCH BRACE 3/16" x 3/8" (TEMPORARY)
FRONT
PART LINE
CANOPY BUBBLE
NOTE: ENGINE IS SIDE MOUNTED OR INVERTED.
HATCH HOLD
.25 TWO CYCLE ENGINE
COWL HOLD DOWN 1/8" PLY, DU-BRO #380 SCREWS (4)
COWL
DU-BRO FUEL TANK S6
1/8" PLY SERVO MOUNT
THROT.
RUDDER
ELEV.
F5
1/8" PLY
CANOPY TOP VIEW
1/8" PLYWOOD
3/32" PLY FRAME
3/16" x 1/2" BALSA
F7
1/8" LITE PLY
AFT
COLOR 81
COLOR 82
COLOR 81
FORWARD
COLOR 82
BLACK
T9
WHITE
BLACK
COOLING SLOTS (4)
FUSELAGE DETAIL - RIGHT SIDE (AIRCRAFT NOSE TO THE RIGHT)
1/64" PLY BASE - BLACK
1/64 PLY OVERLAY
BALSA
AFT LENGTH
5/16" x 1/4" GREY PLASTIC TUBING CUT AT ANGLE. GLUE TO PAINTED BASE WITH RC-56.
SIMULATED EXHAUSTS (4)
AFT ENGINE MOUNT
1/16" K & S ALUMINUM
DRILL TO SUIT ENGINE
4-40 BLIND NUTS TO MATCH RADIAL MOUNT (3)
NOTE: ALWAYS START AFT ENGINE FIRST
F 20
AFW
RADIAL MOUNT
1/8" LT. PLY SPACER
F 16
F 15
F 14
F 13
F 12
F 11
FIBERGLASS COWLS AVAILABLE FROM AIRMASTERS 20026 FRAZIER DR. ROCKY RIVER, OH 44116 TEL (216) 331-5376
DU-BRO #383 SCREWS TO ATTACH COWL
3/32" BALSA TOP FORWARD HATCH
DU-BRO #386
1/8" DOWEL (2)
SONICTRONICS #130 HIDDEN HINGE - REWORK FOR MIRROR MOUNT
REAR VIEW MIRROR
4-40 BLIND NUT SET IN 1/8" PLY
COLOR 81 RIGHT SIDE
FUSELAGE IS SHEETED WITH 3/32" BALSA
FUSELAGE SIDE VIEW
CANOPY BUBBLE
3/16" x 1/4"
PANEL LINES
1/4" x 3/16"
COLOR 82
1/8" BALSA BLKHD UNLESS SPEC. OTHER
PANEL LINES
REMOVABLE
WHITE
1/4" BALSA SHEET
SEE SECT. R-R
NOTCH CORE FOR HINGE (2)
TAB
5/16"
1/32" PLY (2)
3/32" VERT. GRAIN (2)
SAND TO SHAPE
1/16" CORE GRAIN
1/32" (2)
1/16" WIRE SLOT
SECT R-R (1.5 x)
.078" M.W.
1/32" PLY
(SLOT)
COWL FIX (3)
1/16" PLY BRACE (2)
2-1/2" DIA. SPINNER
COLOR 70
AFW
1/8" PLY
COLOR 81
BATT.
RECEIVER
COLOR 81
1/4" BALSA
SW. AIR FILL VALVE MOUNT
AIR TANK
BLACK - LEFT SIDE
SEE CRUTCH COLOR 82
SPRING - AIR 205 HD
EXHAUST
1/8" PLY SERVO MOUNT
THROT.
RUDDER NOSE WH.
ELEV.
F5
VALVE
L.G.
F2H
COLOR 76
1/4" x 1/2"
COLOR 76
3/16" DIA. M.W. STRUT
3/32" PLY STIFFENERS
1/32" PLY DOOR KICK-PLATE
BALANCE - GEAR UP NO FUEL
DOWEL (2)
WING BOLT (2)
CRUTCH
3/16" x 3/8"
3/4" TRI
COLOR 81
(F 15)
(F 16)
CRUTCH 3/16" x 3/8"
COLOR 82
FILLET
3/16" SQ.
(F 17)
(F 18)
TO ELEV
(F 19)
TANK SUPPORT
LOWER RUD. POST
.078" M.W.
NAV. LT.
COLOR 82
COLOR 76
FOAM OR SOFT BALSA
HOLLOW OUT
1/16" PLY INLAY - BOTH SIDES
1/4" BALSA SHEET
TAB
LIGHT WEIGHT F.G. COWL
PROPELLER ZINGER 9-6 PUSHER
TILT ENG. TO SUIT O.S. 25 FP
EXH.
EXHAUST EXTEN. CUT FROM NO. 842 MUFFLER (OS-25FP)
LOWER RUD. POST
F 20
(F 20)
1/4" BALSA
1/8" PLY
F 19
F 19A
(F 19)
F 12
F 11
3/32" BALSA SHEET
LEAD SHOT BALLAST
TRIM
F8
AIR TANK
SCRAP BALSA
1/8" PLY
LOWER HATCH
F2H
COLLAR
1/32" PLY
.170" SLOT
MAKE 2
3/16" PLY
WASH. SOLDER
BALL PT. PEN SPRG. (TRAPPED)
TO DOOR
.080" SLOT
1/32" PLY (4)
2-56 THREADED ROD
ADJ. SLOT 4-40 BOLTS, NUTS WASH.
SEE TOP VIEW OF CRUTCH
RUB. BAND
BALL LINK
3/32" DOOR
TO RUD. SERVO
3/16
1/2" SQ. HD. WOOD (2)
OPEN
HATCH HOLD
LOWER HATCH
1/16" PLY
F4H (2)
EPOXY
4-40 SOC. HD. BOLTS & WASHERS, BLIND NUTS (8)
CYL.
1/8" PLY
SLOT
1/8" BRASS TUBE
FLUSH MOUNT 4-40 BOLT HEAD (4)
EPOXY
(PIVOT) 4-40 BOLTS, WASHERS, LOCK NUTS (2)
3/16" PLY
DOOR STOP BUMPER (4) COMPRESS TO 3/16" WITH 4-40 BOLTS
ROUND SERVO HORN REMOVE HUB DRILL 1/8" HOLE FOR BRASS TUBE
SHOCK-MOUNT NOSE GEAR
CANOPY PART F4C 1/8" LITE PLY
F4
3/16" PLY
TRIM
CUT
(F4)
REMOVE TO FIT NOSE GR.
2-1/2" DIA. NOSE WHEEL
F 4H
1/8" LITE PLY MAKE 2
F 10
1/16" PLY
(F 10)
CUT
3" DIA. SULLIVAN SKYLITE - MAIN WHEELS
3/32" PLY CANOPY FRAME
1/8" LITE PLY
F 9
L.G. DOOR
1/4" PLY - TAP FOR WING BOLT (2)
SCALE WHEEL 3.8" DIA.
1/8" PLY
1/2" PRI-STOCK
1/8" BALSA SCRAP (F 11) TO (F 14)
3/32" BALSA SHEET
FILLET
1/64 PLY
1/8" LITE PLY
TRIM
(F 15)
(F 16)
(F 17)
SECT Y-Y
SECT. X-X
NOTE: PLY = BIRCH PLYWOOD
LITE PLY = LIGHT POPLAR PLYWOOD
▲ = 1/16" PLYWOOD
NOTE: ALL BALSA LIGHT WEIGHT (4-6 LB) UNLESS SPECIFIED OTHER. WEIGHT CONTROL AFT OF C.G. IS CRITICAL. FUSELAGE IS SHEETED WITH 3/32" BALSA, GLASS CLOTH (3/4 OZ. OR LIGHTER) WITH RESIN.
FILLET BASE
1/64" PLYWOOD
F 18
(F 18)
CUT
AFT TANK SUPP.
1/16" PLY
HARD BALSA TIP
F 20
1/16" PLY BRACE (2)
EPOXY
3/4" TRI STOCK
(F 20)
AFW
NOTE: USE EPOXY SPARINGLY IN AFT AREAS FOR WEIGHT CONTROL
F 19
F 19A
(F 19)
ONE-TENTH SCALE
EXHAUST NOTE: EXHAUST CAN BE EXTENDED WITH O.S. PART NO. 22325100
MODEL AIRPLANE NEWS
DORNIER 335 V3
A TWIN ENGINED R/C SCALE MODEL
SPAN 56" WING AREA 600 SQ. IN.
LENGTH 56" WEIGHT - FUELED 9 LBS
POWER - TWIN FORE: OS-25SF, OR 25 FP
AFT: OS-25 FP
FUEL 6 OZ. FORE - 6 OZ. AFT
RETRACTS - SPRING MAIN 110 (85*)
AIR N.W. 205 HD
DESIGNED & DRAWN BY AL MASTERS
INKED BY JOE DEMARCO
ALL RIGHTS RESERVED
FSP 06921
SHEET 1 OF 2


WING WASH-OUT - 3/4" WASH-OUT AT TRAILING EDGE OF RIB 9
1/16" PLYWOOD
1/32" PLYWOOD
W 3
W 2
BUILDING BOARD
BUILDING BOARD
3/4"
OUTLINE 21
COLOR SCHEDULE
GERMAN SPEC. SUGGEST PAINT
81 DARK GREEN CHEVRON PC-40
82 BRIGHT GREEN " PC-38
76 LIGHT BLUE " PC-34
70 BLACK GREEN FLOQUIL 70
21 WHITE
22 BLACK
NOTE: UNDERSURFACES ARE 76, LIGHT BLUE. PROPELLERS & SPINNERS ARE 70 BLACK GREEN
NOTE: WING IS SHEETED WITH 1/16" BALSA WITH 3/4" OZ FIBERGLASS CLOTH WITH RESIN OTER.
SOLDER
DOOR
5/8"
FUEL LINE TUBING
2-56 S.H.B. & WASHERS
1/16" x 1/4" K&S BRASS, TAP FOR 2-56
.156" DIA. STRUT
1/16" PLY
FIBERGLASS GEAR DOOR
3" DIA. WHEEL
TRIM
W 1
FILL
1/4" BALSA SHEET (4-6 LBS)
1/16" PLYWOOD
1-1/4"
1/2"
K&S .156" DIA. BRASS TUBE
FLATTEN
BEND 90°
FLAP HINGE
FILLET
NOTE: SOAK BALSA SHEET IN WATER & WRAP AROUND 3/4" DOWEL-HOLD WITH TAPE. WHEN DRY, TRIM TO FIT FLAP L.E. & GLUE IN PLACE. SAND TO BLEND WITH 1/16" BALSA SHEETING. FLAPS ARE COMPLETED & PAINTED. ATTACH TO THE PAINTED WING BY WORKING THROUGH ACCESS HOLES FOR INSTALLING THE FLAP HINGES. NOTE THE OVERSIZE HOLES IN RIBS 1A AND 5A, THAT WILL ALLOW ADJUSTMENT OF FLAP FIT TO WING BEFORE THE FLAP HINGES AND 1/16" PLY BEARINGS OR 1A & 5A ARE EPOXIED IN PLACE.
1/16" BALSA SHEET
BLEND LOCATION
1F - TYPICAL FLAP RIB
ELEVATOR
TAB
1/32" PLY INLAY
N.V.
1/4" BALSA SHEET
TAB
HINGE POINT (3)
AFW
F.20
COLOR 82
ELEV. HORN
F19R
3/32" PLY (FUSELAGE)
COLOR 81
COLOR 82
STABILIZER
SS-6 FLEX REAR FUEL TANK IN THIS AREA
X
1/8" PLYWOOD
COLOR 81
F19B
S1
PARTING LINE
1/8" PLY WITH 4-40 BLIND NUT-INLAY
3/32" PLY
4-40 x 5/16" S.H.B.
UNDERSIDE
SECT. X-X (2X)
STABILIZER
F19A
F19
3/32" PLY
REMOVE FOR FUEL TANK
S1
3/32" PLY
F19B
F19R
WING PLAN
FLAP
AILERON
TAB
TAB
9A
8A
7A
6A
5A
5F
4F
3F
2F
1F
1A
1F
2F
3F
4F
5F
5A
6A
7A
8A
9A
SCRAP FILL
3/32" SHEET BALSA
OPEN
1/16 PLY
.156" BRASS TUBE FLAP HINGE
1/16" TOP SKIN TO HERE
1/16" PLY
T-HORN
1/16" BALSA SHEET
1/16" PLY
EPOXY
OPEN (TOP)
HINGE ACCESS
3/16" FILLER (1B)
3/16" SQ. BALSA (2)
1/16" BALSA SHT. WHEEL WELL LINING
1/32" FLAP L.E. SHEET TO HERE
1/16" PLY
1/8" BALSA SHEET
3/16" DIA. MUSIC WIRE STRUT
2-56 S.H.B. (3)
7/16" DIA. STRIPSTYRENE TUBE
6-32 TAP
3/16" COLLAR
1/8" DIA. AL. TUBING (3)
SOLDER
2-56 S.H.B. FENDER HOLD
2-56 TAP (3)
F.G. FENDER
1-7/16"
.050 MUSIC WIRE
6-32 S.H.B.
2-1/2" ROBART NOSE WHEEL
1/8" BALSA SHEET TOP AND BOTTOM
RIB 9
A FORK-1/8" x 5/8" K&S AL. - BEND TO "Π" AND FILE TO SHAPE
B C .015" - .030" K&S ALUM.
D 1/16" x 1/2" K&S BRASS
E SMALL SCREWS WITH NUTS (3)
SIMULATED NOSE WHEEL STRUT
WING TIP FRAME
KLETT LARGE FLEX POINT HINGES (3)
RIGHT WING PANEL - TOP VIEW
COLOR 81
COLOR 82
WHITE
1/4 SQ. MED. HD BALSA SPARS
NAV. LIGHT
AILERON CONTROL
COLOR 81
1/16" SCRAP BALSA DOUBLERS - OPTIONAL
L.G. STRUT
1/4" TRI-STOCK
FLAP CONTROL
COLOR 82
.062" MUSIC WIRE TO AIL. SERVO
1/16" VERT. GRAIN VEB TO RIB 6
3/32" PLY AIL. HORN BASE
RIB 1 SLANTED
BUILDING BOARD
JIG
INSTALL BELLCRANK REVERSED IN LEFT WING FOR CORRECT ACTION
.062" MUSIC WIRE TO FLAP SERVO
1 UPPER EDGE
1 LOWER EDGE
FUSE
2-1/2" DIA. ROBART NOSE WHEEL
1/8" LITE PLY
SHEET SUPPORT FILL
W 2 1/16 PLY
FILL
FORMER
3/8" TRI STOCK
W 3 1/32" PLY
3/4" DIA. WING BOLT ACCESS
STRUT
AILERON SERVO
FLAP SERVO
3/4" TRI-STOCK (2)
1/2" TRI-STOCK
W 1 1/16" PLYWOOD
1/4" DIA. DOWEL (2)
3" DIA. ROBART WHEEL
1/16" VERT. GRAIN WEBBING
COLOR 81
1/4" TRI-STOCK
3/8" TRI-STOCK
3/32" PLY
1/16" BOT. SKIN TO HERE
3/8" TRI-STOCK
1/16" PLY RIB DOUBLER
WHEEL-GEAR DOWN
1/8" PLY L.G. MOUNT
DU-BRO 380 (4) W/ WASH.
3/8" TRI-STOCK
3/16" x 1/4" BALSA
COLOR 82
SPRING AIR PROD. RETRACKS - STOCK 110 (85°)
.062" MUSIC WIRE
3/4" BALSA TRI-STOCK LEADING EDGE - SAND TO SHAPE
BALSA BLOCK - SHAPE TO SHARP LEADING EDGE
UNDER SURFACE
COLOR 82
COLOR 81
NOTE: COLOR PATTERNS FOR TOP OF WING
1/4" SQ. MED. HD. BALSA MAIN SPARS
NAVIGATION LIGHT
PITOT ON LEFT WING
RIGHT WING PANEL - BOTTOM VIEW
(1/16" BALSA TOP & BOTTOM SHEETING OMITTED FOR CLARITY)
1" x 1/8" BALSA SUB LEADING EDGE
NOTE: MATERIAL 4-6 LB. BALSA UNLESS SPECIFIED AS OTHER
SAND OFF TO SHAPE
8A
DISCARD
3F
1/16" BALSA SHEETING
WHEEL WELL
2F
9
3/4"
5/16" DIA. HOLE IN 1A
1/16" PLY WITH .156" DIA. HOLE
1A
1
6
SHIM
KWIK LINK ALL CONTROL RODS
BUILDING BOARD
1/16" PLY HORN MOUNT
1/8" MED. BALSA SHEET
1F
NOTE: ALL WING RIBS ARE 3/32" BALSA SHEET UNLESS SPECIFIED AS OTHER
3/16" B ALSA SHEET
SHIM
1B
TRIM TO FIT
3/32" MED. HD. BALSA
4
4F
1/16" PLY DOUBLERS AT RIBS 4 & 5
1/16" BALSA SHEET
5F
1/32" BALSA SHEET
1/16" PLY WITH .156" HOLE
7
7A
5
5A
3/32" MED. HD. BALSA
NOTE: 5/16" DIA. HOLE IN RIB 5 WILL ALLOW ADJUSTMENT OF FLAP BEFORE GLUING FLAP HINGE IN PLACE.
0" 1" 2" 3" 4" 5" 6"
MODEL AIRPLANE NEWS
DORNIER 335 V3
A TWIN ENGINED R/C SCALE MODEL
SCALE 1.2 INCHES PER FOOT (1:94)
STABILIZER PLAN - WING PLAN - COLOR SCHEDULE
DESIGNED & DRAWN BY AL MASTERS
INKED BY JOE DEMARCO
ALL RIGHTS RESERVED
FSP 06921
SHEET 2 OF 2