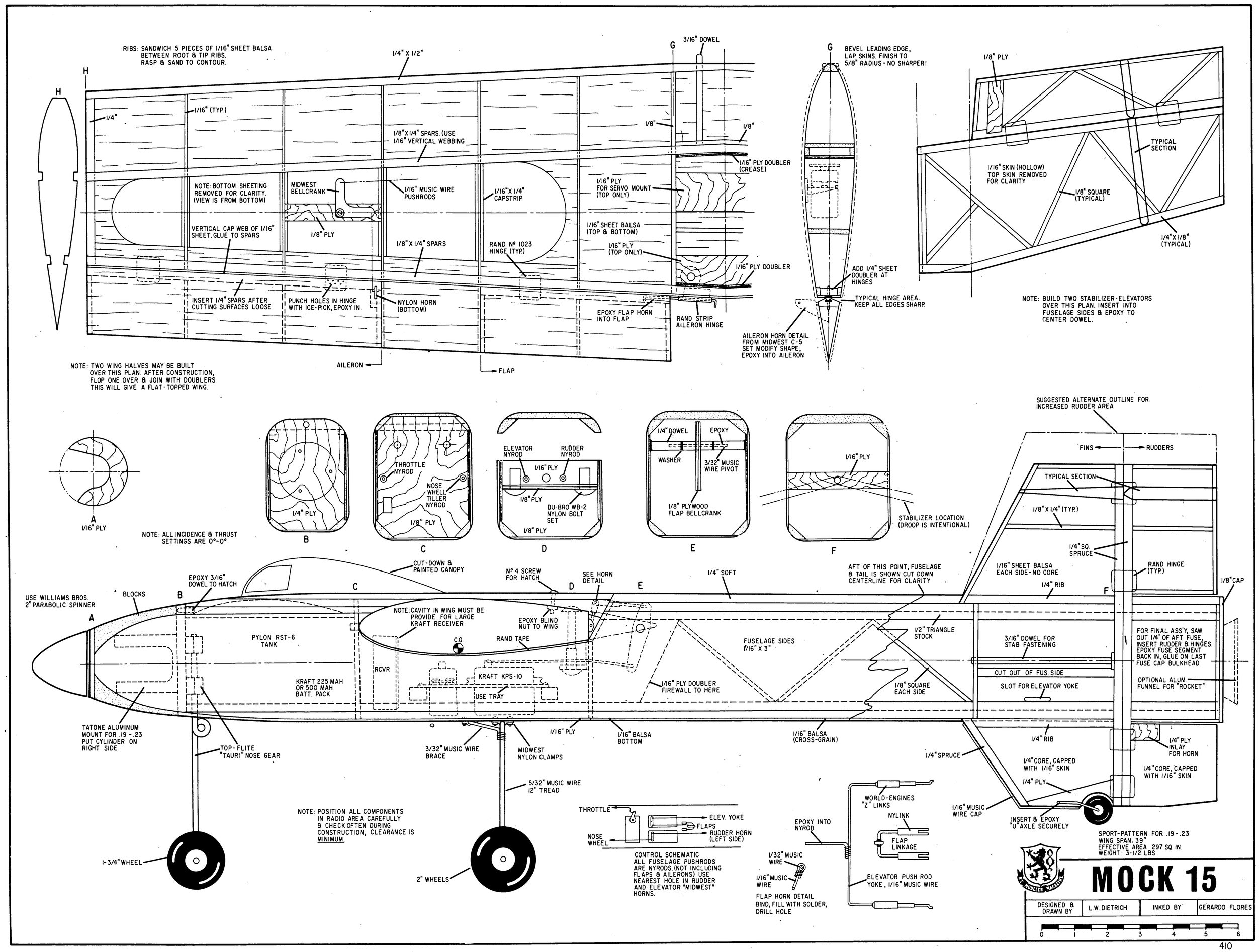
RIBS: SANDWICH 5 PIECES OF 1/16" SHEET BALSA BETWEEN ROOT & TIP RIBS. RASP & SAND TO CONTOUR.
1/4" X 1/2"
3/16" DOWEL
H
G
1/4"
1/16" (TYP.)
1/8"
1/8" X 1/4" SPARS. (USE 1/16" VERTICAL WEBBING
1/16" PLY DOUBLER (CREASE)
NOTE: BOTTOM SHEETING REMOVED FOR CLARITY. (VIEW IS FROM BOTTOM)
MIDWEST BELLCRANK
1/16" MUSIC WIRE PUSHRODS
1/16" X 1/4" CAPSTRIP
1/16" PLY FOR SERVO MOUNT (TOP ONLY)
VERTICAL CAP WEB OF 1/16" SHEET. GLUE TO SPARS
1/8" PLY
1/8" X 1/4" SPARS
RAND Nº 1023 HINGE (TYP.)
1/16" SHEET BALSA (TOP & BOTTOM)
1/16" PLY (TOP ONLY)
1/16" PLY DOUBLER
INSERT 1/4" SPARS AFTER CUTTING SURFACES LOOSE
PUNCH HOLES IN HINGE WITH ICE-PICK, EPOXY IN.
NYLON HORN (BOTTOM)
EPOXY FLAP HORN INTO FLAP
RAND STRIP AILERON HINGE
AILERON
FLAP
NOTE: TWO WING HALVES MAY BE BUILT OVER THIS PLAN. AFTER CONSTRUCTION, FLOP ONE OVER & JOIN WITH DOUBLERS THIS WILL GIVE A FLAT-TOPPED WING.
BEVEL LEADING EDGE, LAP SKINS. FINISH TO 5/8" RADIUS - NO SHARPER!
ADD 1/4" SHEET DOUBLER AT HINGES
TYPICAL HINGE AREA. KEEP ALL EDGES SHARP
AILERON HORN DETAIL FROM MIDWEST C-5 SET MODIFY SHAPE, EPOXY INTO AILERON
1/8" PLY
TYPICAL SECTION
1/16" SKIN (HOLLOW) TOP SKIN REMOVED FOR CLARITY
1/8" SQUARE (TYPICAL)
1/4" X 1/8" (TYPICAL)
NOTE: BUILD TWO STABILIZER-ELEVATORS OVER THIS PLAN. INSERT INTO FUSELAGE SIDES & EPOXY TO CENTER DOWEL.
A
1/16" PLY
NOTE: ALL INCIDENCE & THRUST SETTINGS ARE 0°-0°
1/4" PLY
B
THROTTLE NYROD
NOSE WHELL TILLER NYROD
1/8" PLY
C
ELEVATOR NYROD
RUDDER NYROD
1/16" PLY
1/8" PLY
DU-BRO WB-2 NYLON BOLT SET
1/8" PLY
D
1/4" DOWEL
EPOXY
WASHER
3/32" MUSIC WIRE PIVOT
1/8" PLYWOOD FLAP BELLCRANK
E
1/16" PLY
STABILIZER LOCATION (DROOP IS INTENTIONAL)
F
SUGGESTED ALTERNATE OUTLINE FOR INCREASED RUDDER AREA
FINS
RUDDERS
TYPICAL SECTION
1/8" X 1/4" (TYP.)
1/4" SQ. SPRUCE
1/16" SHEET BALSA EACH SIDE - NO CORE
RAND HINGE (TYP.)
1/4" RIB
1/8" CAP
USE WILLIAMS BROS. 2" PARABOLIC SPINNER
BLOCKS
EPOXY 3/16" DOWEL TO HATCH
CUT-DOWN & PAINTED CANOPY
Nº 4 SCREW FOR HATCH
SEE HORN DETAIL
1/4" SOFT
AFT OF THIS POINT, FUSELAGE & TAIL IS SHOWN CUT DOWN CENTERLINE FOR CLARITY
NOTE: CAVITY IN WING MUST BE PROVIDE FOR LARGE KRAFT RECEIVER
EPOXY BLIND NUT TO WING
PYLON RST-6 TANK
C.G.
RAND TAPE
FUSELAGE SIDES 1/16" X 3"
1/2" TRIANGLE STOCK
3/16" DOWEL FOR STAB FASTENING
FOR FINAL ASS'Y, SAW OUT 1/4" OF AFT FUSE, INSERT RUDDER & HINGES. EPOXY FUSE SEGMENT BACK IN, GLUE ON LAST FUSE CAP BULKHEAD
RCVR
KRAFT 225 MAH OR 500 MAH BATT. PACK
KRAFT KPS-10
USE TRAY
1/16" PLY DOUBLER FIREWALL TO HERE
1/8" SQUARE EACH SIDE
CUT OUT OF FUS. SIDE
SLOT FOR ELEVATOR YOKE
OPTIONAL ALUM. FUNNEL FOR "ROCKET"
TATONE ALUMINUM MOUNT FOR .19 - .23 PUT CYLINDER ON RIGHT SIDE
TOP-FLITE "TAURI" NOSE GEAR
3/32" MUSIC WIRE BRACE
MIDWEST NYLON CLAMPS
1/16" PLY
1/16" BALSA BOTTOM
1/16" BALSA (CROSS-GRAIN)
1/4" SPRUCE
1/4" RIB
1/4" PLY INLAY FOR HORN
1/4" CORE, CAPPED WITH 1/16" SKIN
1/4" CORE, CAPPED WITH 1/16" SKIN
1/4" PLY
5/32" MUSIC WIRE 12" TREAD
NOTE: POSITION ALL COMPONENTS IN RADIO AREA CAREFULLY & CHECK OFTEN DURING CONSTRUCTION, CLEARANCE IS MINIMUM.
1/16" MUSIC WIRE CAP
INSERT & EPOXY "U" AXLE SECURELY
SPORT-PATTERN FOR .19 - .23
WING SPAN: 39"
EFFECTIVE AREA 297 SQ. IN.
WEIGHT: 3-1/2 LBS.
1-3/4" WHEEL
2" WHEELS
THROTTLE
ELEV. YOKE
FLAPS
NOSE WHEEL
RUDDER HORN (LEFT SIDE)
CONTROL SCHEMATIC
ALL FUSELAGE PUSHRODS ARE NYRODS (NOT INCLUDING FLAPS & AILERONS) USE NEAREST HOLE IN RUDDER AND ELEVATOR "MIDWEST" HORNS.
EPOXY INTO NYROD
WORLD-ENGINES "Z" LINKS
NYLINK
FLAP LINKAGE
1/32" MUSIC WIRE
1/16" MUSIC WIRE
FLAP HORN DETAIL
BIND, FILL WITH SOLDER, DRILL HOLE
ELEVATOR PUSH ROD YOKE, 1/16" MUSIC WIRE
MOCK 15
DESIGNED & DRAWN BY
L.W. DIETRICH
INKED BY
GERARDO FLORES
0 1 2 3 4 5 6