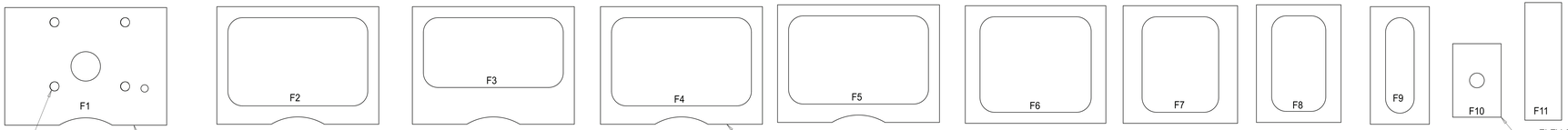

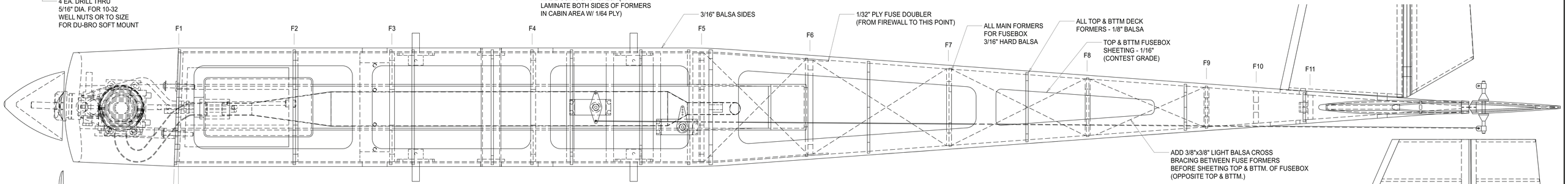

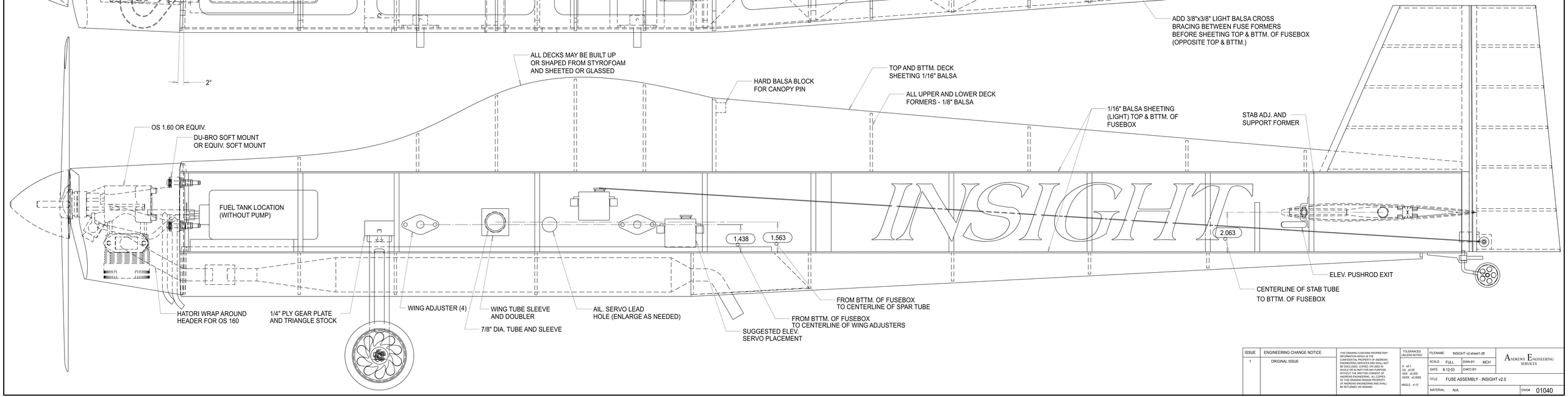

ISSUE	ENGINEERING CHANGE NOTICE
1	ORIGINAL ISSUE

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TOLERANCES UNLESS NOTED:
X ±0.1
XX ±0.05
XXX ±0.005
XXXX ±0.0005
ANGLE ±1.0°

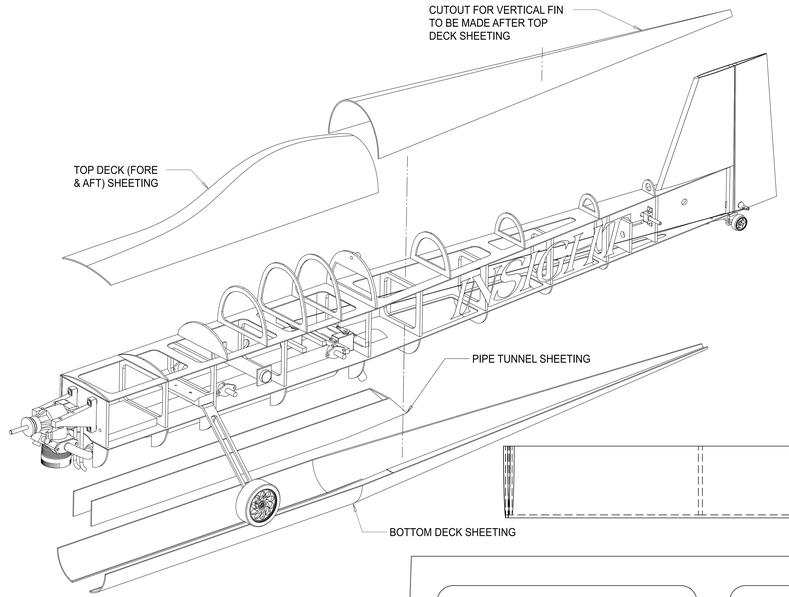
FILENAME: INSIGHT v2-sheet1.dft
SCALE: FULL DWN BY: MCH
DATE: 8-12-03 CHK'D BY:

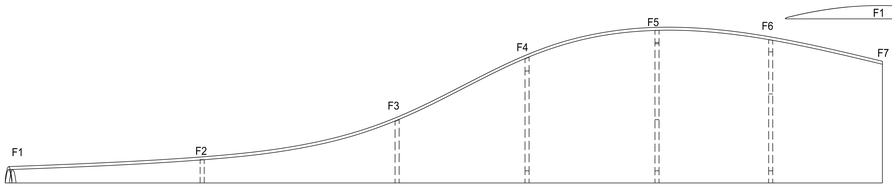
ANDREWS ENGINEERING SERVICES

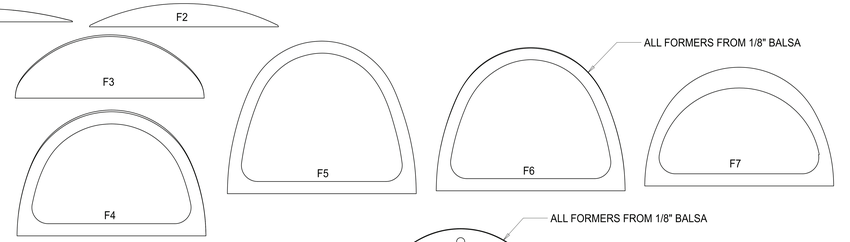
TITLE: FUSE ASSEMBLY - INSIGHT v2.0

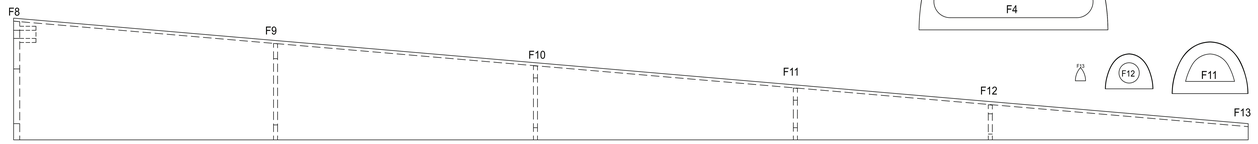
MATERIAL: N/A

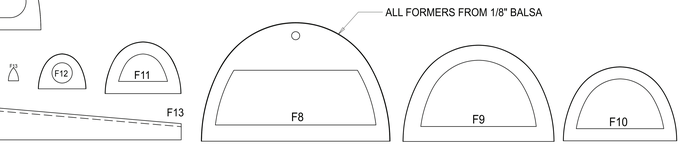
DWG# 01040

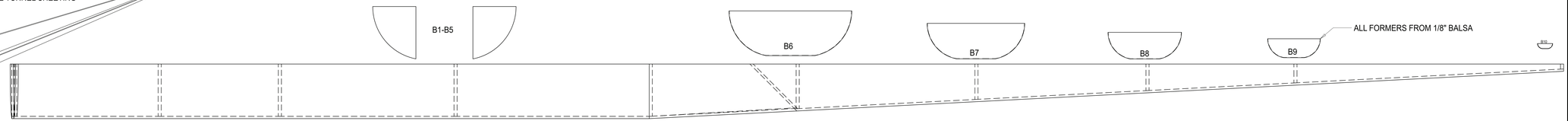


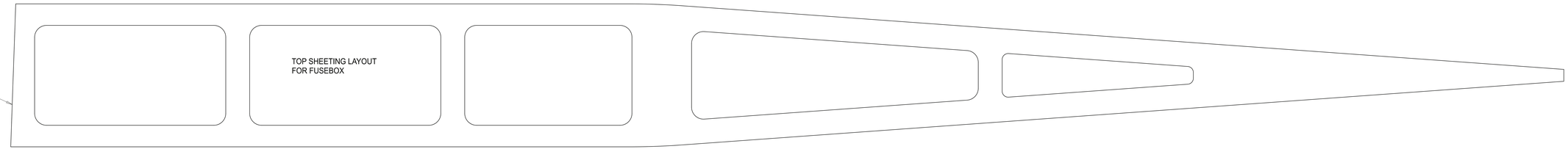


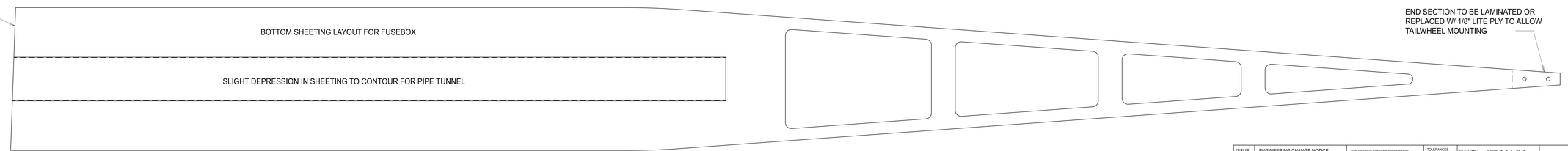












ISSUE	ENGINEERING CHANGE NOTICE
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TOLERANCES UNLESS NOTED:
X ±0.1
XX ±0.05
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FILENAME: INSIGHT v2-sheet2.dft
SCALE: FULL DWN BY: MCH
DATE: 8-12-03 CHK'D BY:

ANDREW'S ENGINEERING SERVICES

TITLE: FUSEBOX ASSEMBLY & FORMERS - INSIGHT v2.0

MATERIAL: N/A DWG# 01040

DIHEDRAL GAUGE

1/2"x1" BALSA (AT ROOT)
LEADING EDGE (SAND TO
SHAPE AFTER SHEETING)

3/32" CONTEST GRADE
BALSA WING SHEETING

3/8"x3/8" HARD
BALSA SPAR,
TOP & BTTM.
(LAMINATE W/
CARBON FIBER)

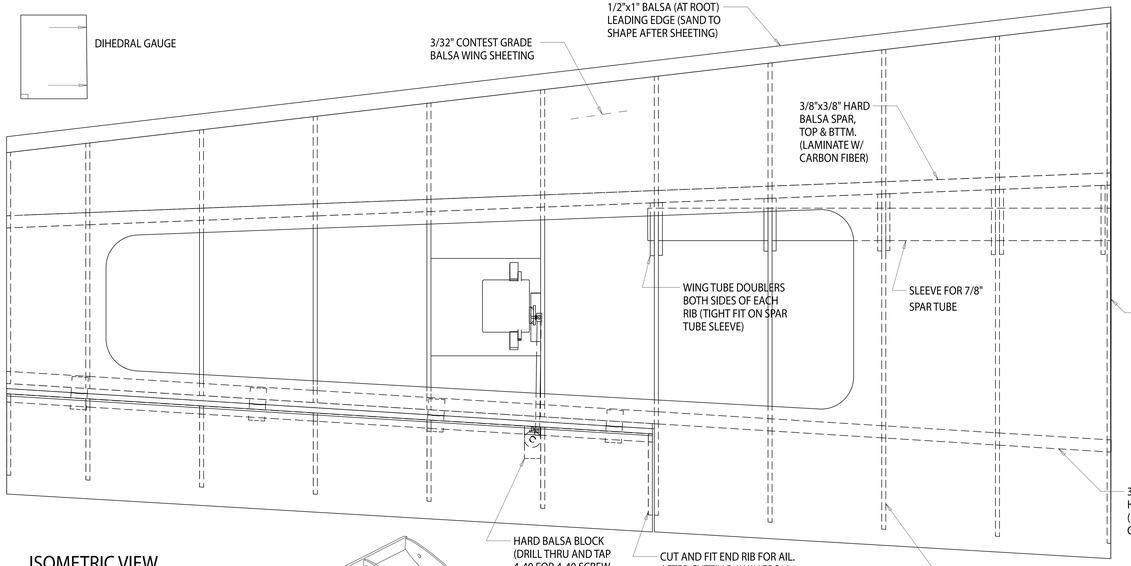
WING TUBE DOUBLERS
BOTH SIDES OF EACH
RIB (TIGHT FIT ON SPAR
TUBE SLEEVE)

SLEEVE FOR 7/8"
SPAR TUBE

HARD BALSA BLOCK
(DRILL THRU AND TAP
4-40 FOR 4-40 SCREW
TYPE CONTROL HORN)

CUT AND FIT END RIB FOR AIL.
AFTER CUTTING AWAY FROM
WING SECTION

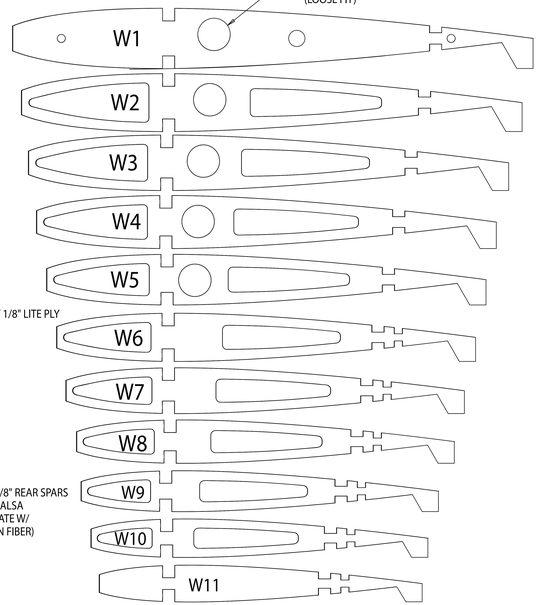
ALL RIBS (EXCEPT ROOT)
1/8" BALSA



WING TUBE CLEARANCE HOLE
(LOOSE FIT)

ROOT 1/8" LITE PLY

3/16"x3/8" REAR SPARS
HARD BALSA
(LAMINATE W/
CARBON FIBER)



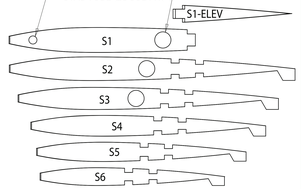
3/8"x5/16" (AT ROOT)
BALSA LEADING EDGE
(SAND TO SHAPE AFTER
SHEETING)

1/16" BALSA SHEETING

HOLE OR PIN FOR
STAB ADJUSTER SETUP

CLEARANCE HOLE FOR
STAB TUBE (LOOSE FIT)

S1-ELEV



STAB TUBE
SLEEVE
DOUBLER
(TIGHT FIT)

HARD BALSA BLOCK
(BTTM OF STAB)
WITH TAPPED HOLE
THRU TO TUBE
TO SECURE STAB

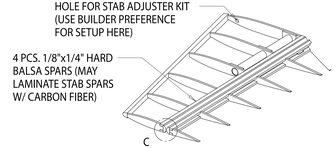
HARD BALSA BLOCK
WITH 4-40 TAPPED HOLE
FOR CONTROL HORN

1/8" BALSA RIBS

SHEETING NOT SHOWN FOR CLARITY

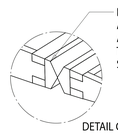
HOLE FOR STAB ADJUSTER KIT
(USE BUILDER PREFERENCE
FOR SETUP HERE)

4 PCS, 1/8"x1/4" HARD
BALSA SPARS (MAY
LAMINATE STAB SPARS
W/ CARBON FIBER)



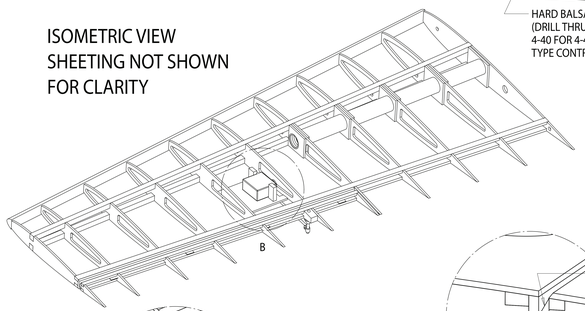
C

ELEVATOR TO BE CUT AWAY
AFTER STAB CONSTRUCTION
ADD LEADING EDGE AND
TRAILING EDGE AND
SHAPE AS SHOWN

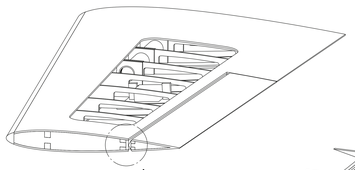


DETAIL C

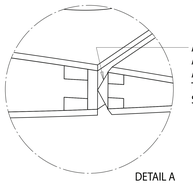
ISOMETRIC VIEW
SHEETING NOT SHOWN
FOR CLARITY



B

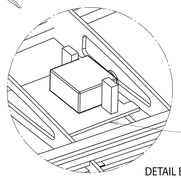


A



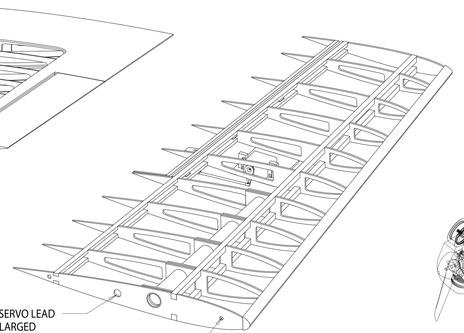
AILERON TO BE CUT AWAY
AFTER WING CONSTRUCTION
ADD LEADING EDGE AND
TRAILING EDGE AND
SHAPE AS SHOWN

DETAIL A



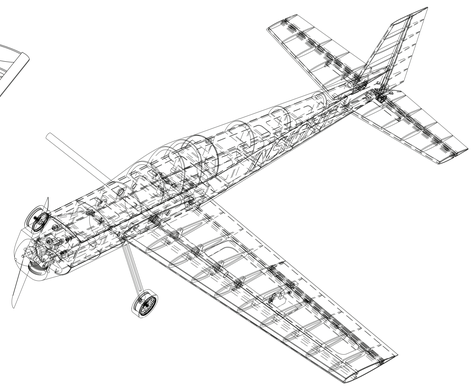
MOUNT AIL. SERVO RAILS TO PLY PLATE
W/ SLOT FOR SERVO ARM, THEN MOUNT PLATE
WITH SCREWS TO CROSS RAILS BETWEEN RIBS
(SAME METHOD SEEN IN MANY ARF'S)

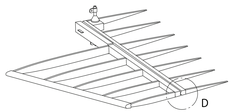
DETAIL B



HOLE FOR SERVO LEAD
MAY BE ENLARGED

2 HOLES FOR WING ADJUSTER PINS
(GLUE HARD BALSA BLOCK INSIDE
R1 FOR SUPPORT)



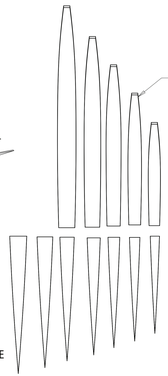


D

SHEETING NOT SHOWN FOR CLARITY

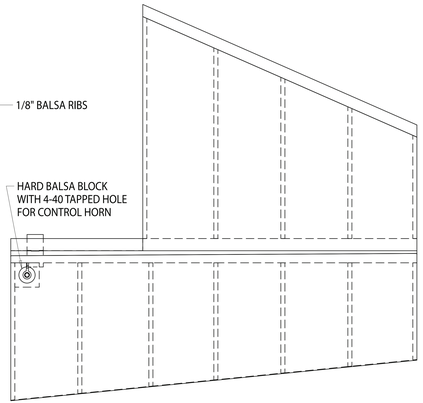
5/8"x3/8" LE & TE
HARD BALSA - LAMINATE
W/ CARBON FIBER
(SAND TO SHAPE)

DETAIL D



1/8" BALSA RIBS

HARD BALSA BLOCK
WITH 4-40 TAPPED HOLE
FOR CONTROL HORN



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XXXX ±0.0005
ANGLE ±1.0°

FILENAME: INSIGHT v2-sheet3.dft

SCALE: FULL | DWN BY: MCH

DATE: 8-12-03 | CHK'D BY:

TITLE: WING PANEL & TAIL ASSEMBLY - INSIGHT v2.0

MATERIAL: N/A | DWG# 01040

ANDREW'S ENGINEERING SERVICES