3/16" sq. LE, angled 45 degrees

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1/4 X 1/8" hard balsa spars

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1/16" sheet, top and bottom

Inset rib ends 1/16" into TE

Inset rib ends 1/16" into TE

1/2 X 1/16" sheet, top only

1/8 x 3/8

1/8 x 3/8

1/8 X 1" balsa aileron center

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Taper LE to this line

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1/8" sq. on top, 3/32 X 1/8 on bottom

1/2" balsa block

3/32 X 1/4" BOTTOM only

Music trimmer slope

R1 (5) 1/16"

Ends here

Taper aileron after gluing 1/8 & 3/32 on top & bottom (respectively)

R2 (12) 1/16"

3/4" dihederal under each wing tip (2.4 degrees)

1/16" ply dihedral brace

Hatch area

3 degrees down, 3 degrees right

All tail surfaces 1/8" thick

400 XT

Top F1 1/8" (4x Ply)

F2 1/8" (x1e Ply)

15" wheels

F3

1/16" balsa battery floor

Hybrid Flat Bottom (basic)

1/16" balsa sides

(1/16" cross-grain "cheek" inner liner)

(1/16 X 1/8" strips laminated to outsides of longerons (top and bottom) between F3 and F8 to keep covering from sticking to framework)

Exhaust opening

Music wire skid sewn to 1/16" ply

1/8 sq stab seat

All tail surfaces 1/8" thick

{Altair S400
252 sq inch wing
Constant 6.5" chord
Bill Bowne
July 2004}