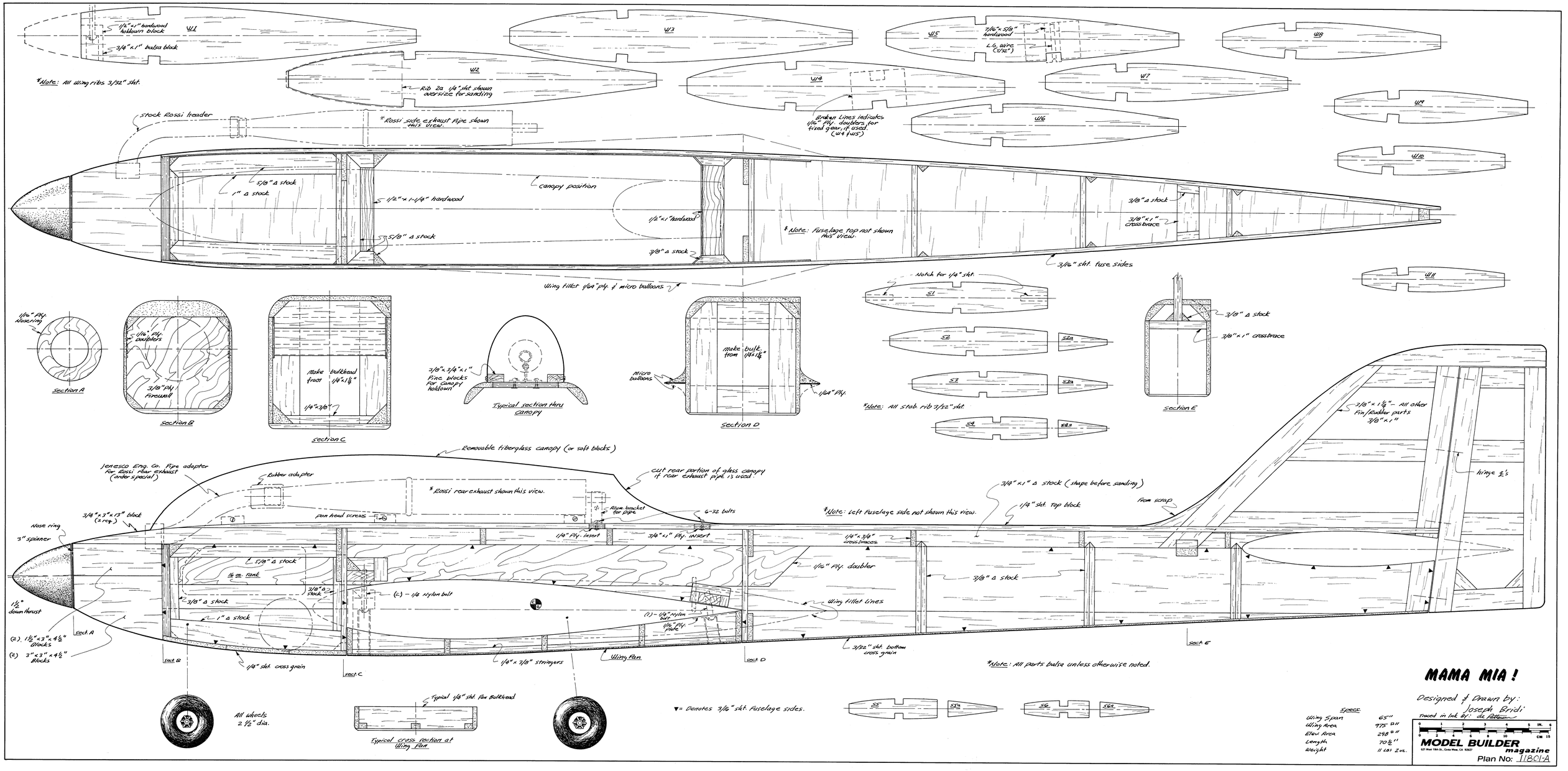
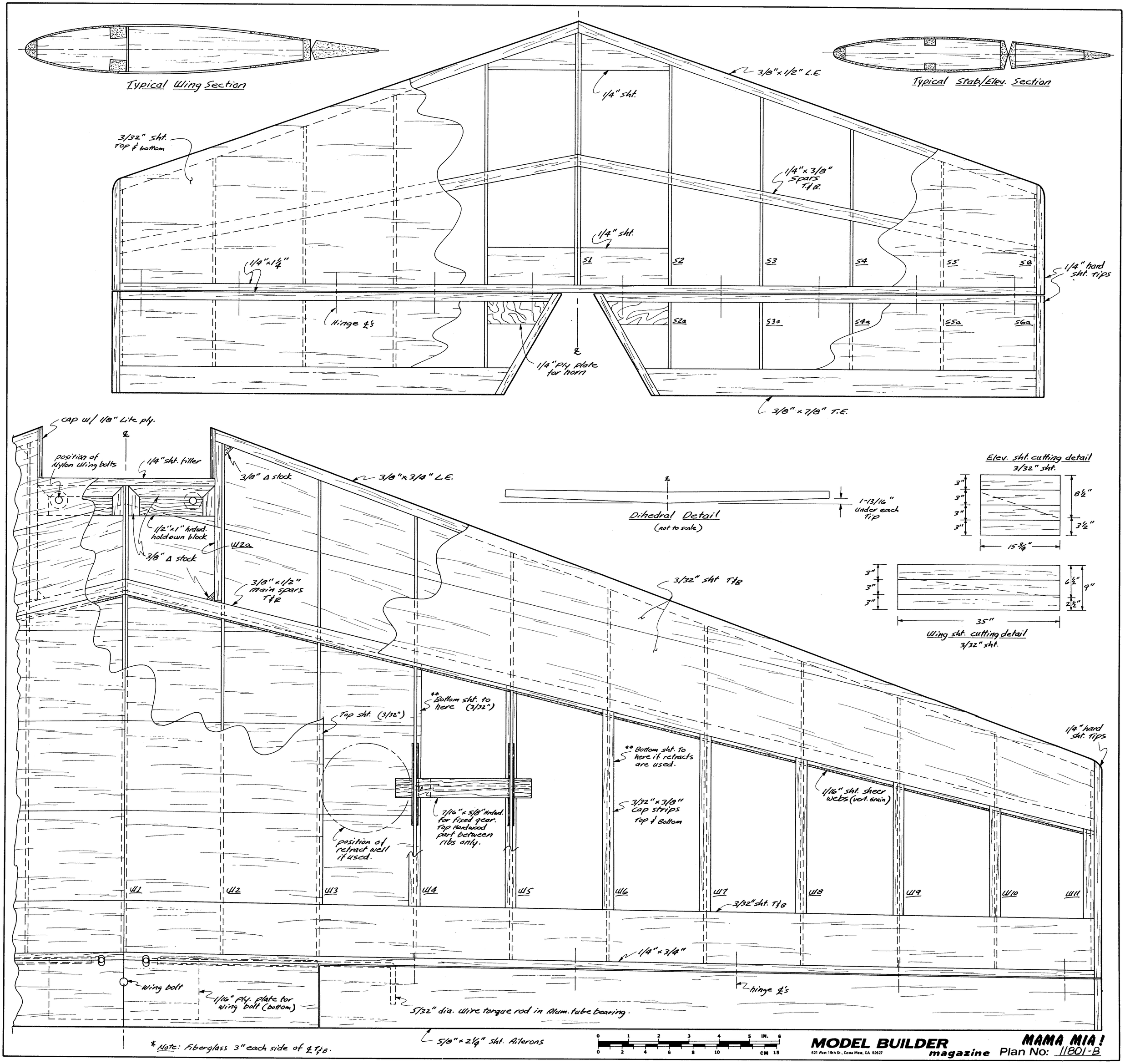

W1
1/2"×1" hardwood hollown block
3/4"×1" balsa block
W3
W5
3/16"×5/8" hardwood
L.G. wire (3/32")
W9
W2
Rib 2a 1/4" sht shown oversize for sanding
W4
W7
W6
W8
W10
W11
*Note: All wing ribs 3/32" sht.
Broken Lines indicates 1/16" Ply. doublers for fixed gear, if used. (W4 fwd)
stock Rossi header
* Rossi side exhaust pipe shown this view.
5/8" Δ stock
1" Δ stock
1 1/2"×1-1/4" hardwood
canopy position
1/2"×1" hardwood
5/8" Δ stock
3/8" Δ stock
* Note: Fuselage top not shown this view.
3/8" Δ stock
3/8"×1" cross brace
3/16" sht. fuse sides
Wing fillet 1/4" ply. & micro balloons
1/16" Ply. doubler
section A
1/4" Ply. doublers
3/8" Ply. firewall
section B
make bulkhead front 1/4"×1 1/8"
1/4"×3/8"
section C
3/8"×3/8"×1" Pine blocks for canopy hollown
Typical section thru canopy
make bulk. from 1/4×1 1/8"
micro balloons
1/4" Ply.
section D
Notch for 1/4" sht.
S1
S2
S2a
S3
S3a
S4
S4a
*Note: All stab. rib 3/32" sht.
3/8" Δ stock
3/8"×1" cross brace
section E
3/8"×1 1/8" - All other fin/rudder parts 3/8"×1"
hinge ℄'s
Removable fiberglass canopy (or soft blocks)
Jeneco Eng. Co. Pipe adapter for Rossi rear exhaust (order special)
Rubber adapter
* Rossi rear exhaust shown this view.
cut rear portion of glass canopy if rear exhaust pipe is used.
3/8"×1" Δ stock (shape before sanding)
1/4" sht. top block
From scrap
*Note: Left fuselage side not shown this view.
3/4"×3"×13" block (2 req.)
pan head screws
Alum. bracket for pipe
6-32 bolts
Nose ring
3" spinner
1/4" Ply. insert
3/4"×1" Ply. insert
1/4"×3/4" cross braces
5/8" Δ stock
16 oz. tank
3/8" Δ stock
(2) - 1/4 Nylon bolt
1/16" Ply. doubler
3/8" Δ stock
1" Δ stock
Wing fillet lines
1 1/2° down thrust
(1) - 1/4" Nylon bolt
1/16" Ply. tank
(2). 1 1/2"×3"×4 1/2" Blocks
(2) 3"×3"×4 1/2" Blocks
sect A
sect B
sect C
sect D
sect E
1/4" sht. cross grain
1/4"×3/8" stringers
Wing Pan
3/32" sht. bottom cross grain
*Note: All parts balsa unless otherwise noted.
All wheels 2 1/2" dia.
Typical 1/4" sht. Pan Bulkhead
Typical cross section at Wing Pan
▼= Denotes 3/16" sht. Fuselage sides.
S5
S5a
S6
S6a
MAMA MIA!
Designed & Drawn by: Joseph Bridi
Traced in Ink By: Joe Ratkowski
Specs:
Wing Span 65"
Wing Area 775 Q.I.
Elev. Area 298 Q.I.
Length 70 1/2"
Weight 11 lbs 2 oz.
MODEL BUILDER magazine
521 West 19th St., Costa Mesa, CA 92627
Plan No: 11801-A


Typical Wing Section
Typical Stab/Elev. Section
3/8" x 1/2" L.E.
1/4" sht.
3/32" sht. top & bottom
1/4" x 3/8" Spars T&B.
1/4" sht.
S1
S2
S3
S4
S5
S6
1/4" x 1 1/4"
1/4" hard sht. tips
Hinge ℄'s
S2a
S3a
S4a
S5a
S6a
℄
1/4" ply plate for horn
3/8" x 7/8" T.E.
cap w/ 1/8" Lite ply.
position of nylon wing bolts
1/4" sht. filler
3/8" Δ stock
3/8" x 3/4" L.E.
1/2" x 1" hrdwd. holdown block
W2a
3/8" Δ stock
3/8" x 1/2" main spars T&B
Dihedral Detail
(not to scale)
1-13/16" under each tip
Elev. sht. cutting detail
3/32" sht.
3"
3"
3"
3"
8 1/2"
3 1/2"
15 3/4"
3"
3"
3"
6 1/2"
9"
2 1/2"
35"
Wing sht. cutting detail
3/32" sht.
3/32" sht T&B
** Bottom sht. to here (3/32")
Top sht. (3/32")
** Bottom sht. To here if retracts are used.
1/4" hard sht. tips
1/16" sht. sheer webs (vert. grain)
3/32" x 3/8" cap strips top & bottom
7/16" x 5/8" hrdwd. for fixed gear. Top hardwood part between ribs only.
position of retract well if used.
W1
W2
W3
W4
W5
W6
W7
W8
W9
W10
W11
3/32" sht. T&B
1/4" x 3/4"
Wing bolt
1/16" Ply. plate for wing bolt (bottom)
5/32" dia. wire torque rod in Alum. tube bearing.
hinge ℄'s
5/8" x 2 1/4" sht. Ailerons
* Note: Fiberglass 3" each side of ℄ T&B.
0 1 2 3 4 5 IN. 6
0 2 4 6 8 10 CM 15
MODEL BUILDER magazine
621 West 19th St., Costa Mesa, CA 92627
MAMA MIA!
Plan No: 11801-B