

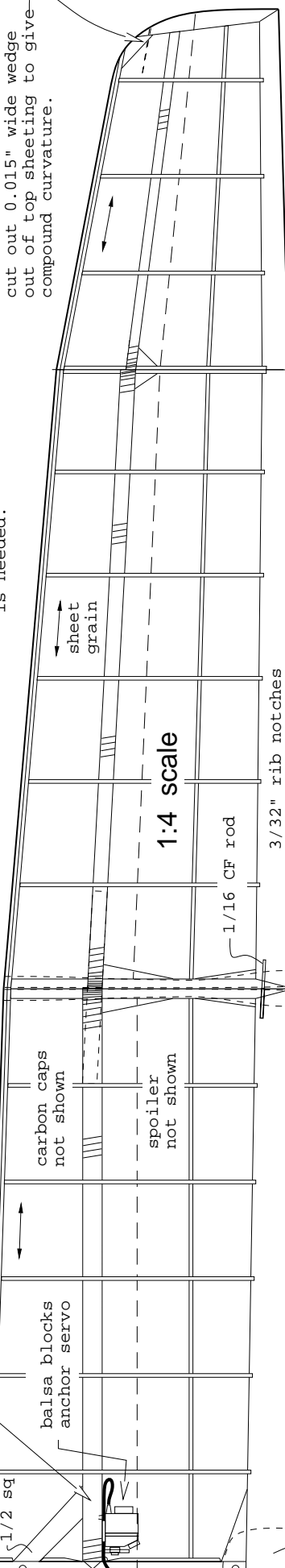
Allegro-Lite Wing Structure

M.Drela 11.20.00

Wrap spar tightly with 3k Kevlar tow, wet out with resin. About 40ft of tow is needed.

2 wraps +/-45 2 oz glass under Kevlar. Extra Kevlar at end to prevent bursting (rod applies 180 lb vertical load at end).

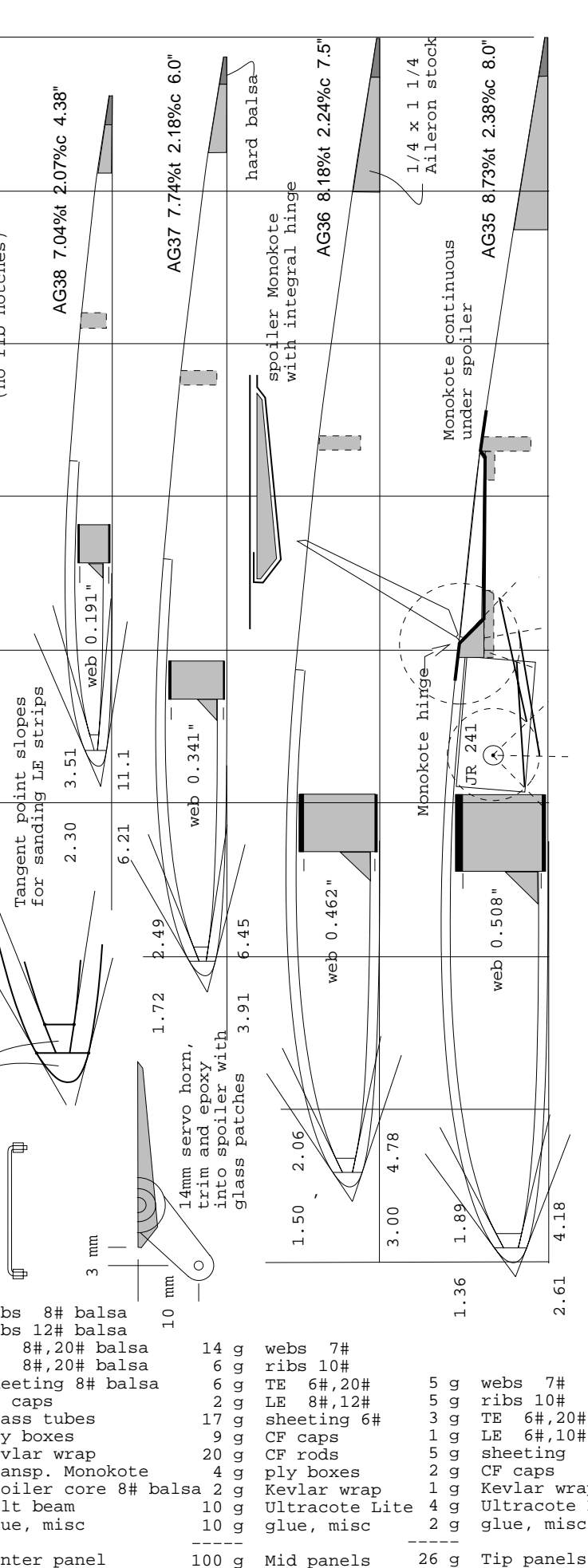
extra center wraps to transfer 150 lb winch load



1.4 scale

- 17 1.5oz glass, 3/32 ribs 12# top & bot
- 16 2 wraps +/-45 2 oz glass under Kevlar. Extra Kevlar at end to prevent bursting (rod applies 180 lb vertical load at end).
- 15 2 wraps tightly with 3k Kevlar tow, wet out with resin. About 40ft of tow is needed.
- 14 webs 8# balsa
- 13 ribs 12# balsa
- 12 TE 8#,20# balsa
- 11 LE 8#,20# balsa
- 10 sheeting 8# balsa
- 9 CF caps
- 8 brass tubes
- 7 ply boxes
- 6 Kevlar wrap
- 5 transp. Monokote
- 4 spoiler core 8# balsa
- 3 bolt beam
- 2 glue, misc
- 1 Center panel

- 14 webs 7#
- 13 ribs 10#
- 12 TE 6#,20#
- 11 LE 8#,12#
- 10 sheeting 6#
- 9 CF caps
- 8 CF rods
- 7 ply boxes
- 6 Kevlar wrap
- 5 Ultracote Lite
- 4 Ultracote Lite
- 3 glue, misc
- 2 Mid panels
- 1 Tip panels



Spoiler link: 0.025" wire, with 1/16" brass tubes soldered on ends

Tangent point slopes for sanding LE strips

