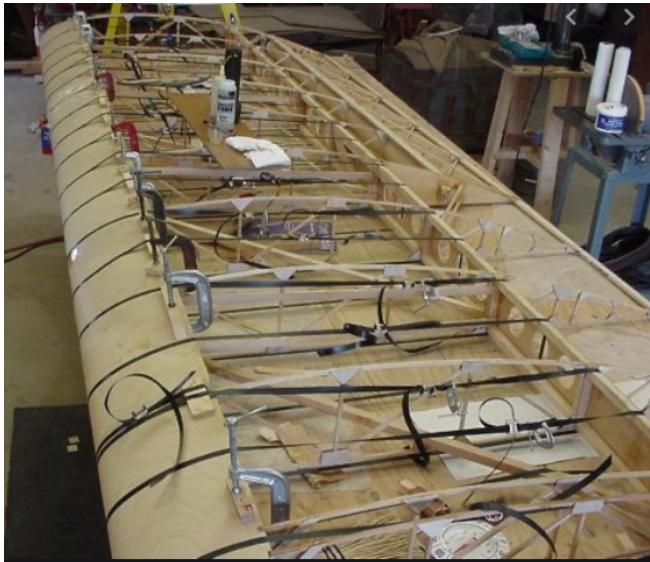


Leading Edge attachment

Legal Eagle: plywood leading and trailing edge

- .8mm
- Same thing as our leading edge basically just a different material



- We should do something like this
- Apply heat
 - Question we need answered: will the metal bend back or can we trust it
 - Best way to bend it

Dimensions: $2.995794 + 2.852957 = 5.848751\text{in}$

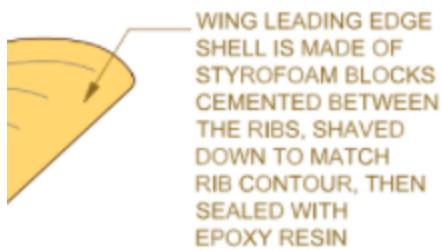
- About 6 in

Comes in 10 ft segments so:

$$\begin{aligned} & \text{4 segments of } 10' \times .5' \\ & = 10' \times 2'' \end{aligned}$$

Leading Edge Research

Bloop :



- Just foam in between, no metal looks like?

http://www.antiqueairfield.com/features/wing_leading_edge_skin.html



Basically:

- NO DEFORMITIES, AT ALL
- As tight as possible
- Bend semi tight for a while
- Then bend all the way and TIGHT
- Keep it overnight, no nails
- Then nail and remove the things
- There should be no deformities

<https://www.youtube.com/watch?v=GhXAUFLGV8>

Vacuum bending, suck all air out and bend



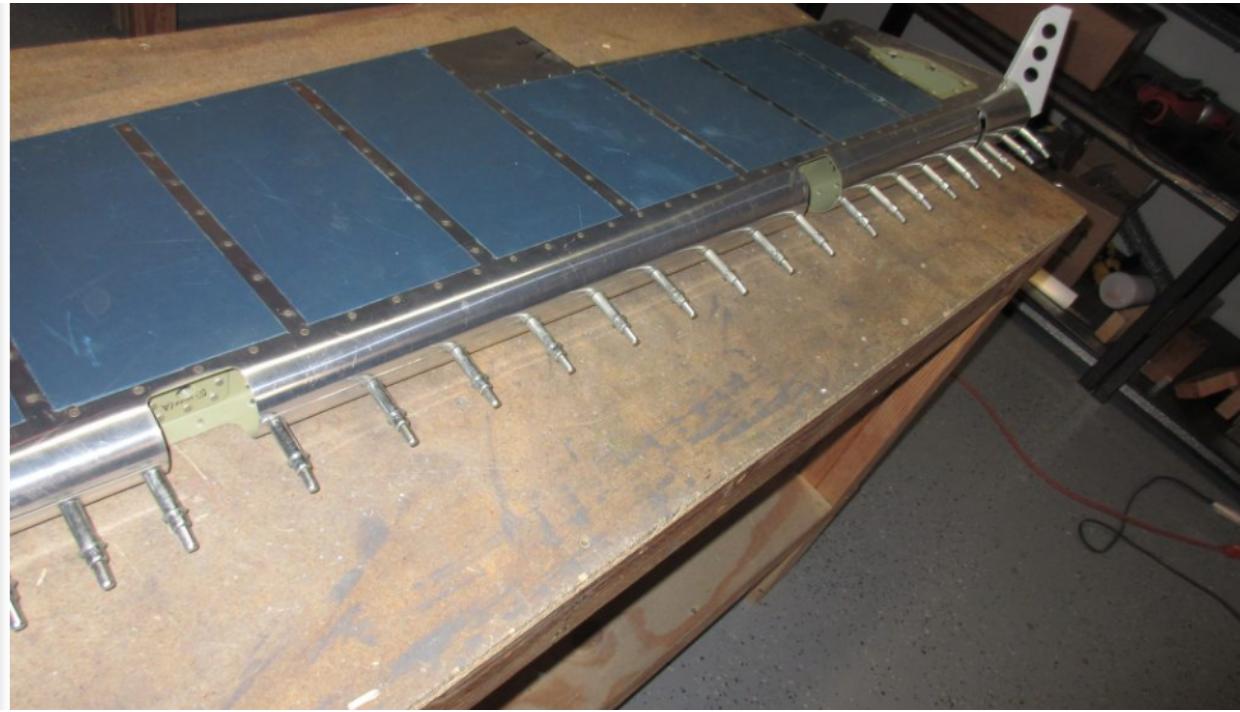
<http://porterfieldplane.ning.com/video/bending-wing-leading-edge-wood>

Plywood on top to keep it strapped down and in contact



<https://theskunkwerx.com/rv7/bending-the-left-elevator-leading-edge/>

Just rivet the shit out of it



<http://gregscx4builder.blogspot.com/2013/09/leading-edge-bending-and-attachment.html>

Clamps + drilling



<https://www.homebuiltairplanes.com/forums/threads/use-of-kydex-or-formica-as-leading-edge-of-wing.33496/>

Don't have to use metal, maybe something more able to bend?

<https://www.homebuiltairplanes.com/forums/threads/thorp-t211-corrugated-wing-skins.5485/page-2>

three-roll former

For Vacuum bending: just makes it more workable, not completely bent
<https://www.kitplanes.com/vacuum-forming-leading-edges/>



