

Sections 15 and 16 have successfully been fully completed. Section 17 is nearly completed, all that is left to do is complete the access hatch. Section 31A is also not completed.

Finishing sections 15 and 16 marked as a major milestone for us as we were now able to rivet on our wing skins. We started by flipping over the wing and clecoing and riveting the inboard and outboard wing skins on. For the inboard wing skin we left the outboard most row of holes open and for the outboard wing skin we left the inboard most holes open. These holes were left open so that we were able to cleco and rivet the mid upper wing skin on, the mid upper wing skin has to overlap with the inboard and outboard wing skins. After finishing the bottom wing skins we flipped our wing over again and clecoed and riveted the rest of our wing skins on. Again we left the outboard most holes of the inboard wing skin and the inboard most holes of the outboard wing skins open so that we were able to attach the center wing skin. We also left the four inboard rows of holes on the inboard wing skin open so that we were able to attach the Wing Walk Doubler. This is an extra layer of metal placed where people step to get into the plane. To attach this we had to dimple the three inboard most holes. We also had to make sure that we used the correct rivets for the dimpled holes as they were not the LP4-3 rivets we were using for the rest of our wing skins. Instead we were using CS4-4 rivets. These rivets are flathead and a different size than our common LP4-3 rivets.

Next we attached the hand hold as well as the Wing Tip Aft Skin and Wing Tip Forward Skin. While Kelsea and Lara riveted these two pieces on Eva, Lydia, Liz, and Emma bending the wing tip. Bending this piece took time as every flange needed to be bent in a different angle to ensure that it attaches to our wing perfectly.

Currently we are working on fluting and attaching the W-1204E-L Forward Wing Tip Rib to the W-1204A-L Wing Tip Forward Skin. We are also working on finishing the access hatch. Finishing the access hatch has taken two weeks as we don't own the correct size dimple die. We were told by two mentors that they would bring us the correct size from their hanger however they both brought the wrong size so we had to continue to wait.

Our plan moving forward is to section 17 which we estimate to take at most one more week and then start on section 31A which is building and attaching the light for our wing. We have also continued to add progress pictures onto the Project Pegasus website and plan to have it fully up to date by the end of spring break.

