

**Subject: Re: The nose**

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**From:** Herb Sanders <hsanders@bellsouth.net>

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Hi Dave and Steve, Your Long must be the finest in the country, Dave, and to say you benefited from one of my ideas is quite a compliment. - Thanks! The second Long I built is the best looking (N99HM that Scott Walter now owns) and I did find an easier way to do it.

Draw a straight line on a piece of plywood about 6' long by 18" wide (3/8 or 1/2" thick). Mark FS40, FS23, and the nose gear pivot bulkhead (can't remember the #) on the line. Measure over from CL by 1/2 the width of your Long at FS40 and drive in a nail just enough to be steady. Do the same at FS 23. Now draw the battery box in front of the nose gear pivot bulkhead and put a nail about 1/2" outside the front corner of the battery box. Now get a straight edge with a uniform bend rate (trim moulding, pvc pipe, alum, plexiglas, etc) and stand up beside the nails and bend it until it intersects the line which represents the centerline of the LE (you need help to do this) and draw a line on your plywood that represents the planview of your finished Long. Bandsaw along this line and cut away enough surplus to make it manageable and you have a template to work with. .

Dave is correct in that you should carve the sides and top, incl canard cover and up to the canopy all at the same time. I would raise the canopy height about 1.5" above plans at the front - and enough at the rear to make it blend correctly. You may have seen Longs with a nice plan view, but if you stand about 45 deg off center line, the top corner does not match - looks odd. If you will use your template for the sides, top, and top corners of the nose, it will be photogenic from all angles. Hope this helps. Remember that the purpose of the longer nose was to put the battery 10" ahead to benefit W/B with the 0320. It also gives you some room to build a separator between your feet and the pivot area to store tie down stakes, tools, oil, etc. Longs are sort of like girls - they are all wonderful, but some are prettier than others.

Regards, Herb Sanders

David Lind wrote:

> Vsteve@aol.com wrote:

>

> > Hi Dave,

> >

> > I am about to start imitating the most beautiful Long EZ nose in the  
> > business.

>

> Yo Steve,

>

> The nose on my plane is as close to Herb Sanders Long as I could make it - of  
> more accurately, the picture of Herbs airplane, as I had never seen the actual  
> airplane when I shaped my own.

>

> I have looked through my notes and photos but cannot come up with any  
> measurement for the added dimensions of NG 31 for an extended nose - and there



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> never was a template as far as I am aware. As you suggest most (if not all) of  
> the added size is on the top and sides. Just guessing perhaps 2.5 inches on top  
> and 1.5 on the sides. From my photos I can see that I had the canopy positioned,  
> the canard fairing and all of the nose foam in place and then shaped all three in  
> one operation. Only this way could you get a continuous clean line from the canopy  
> frame to the tip of the nose in my judgement.

>  
> The first step of shaping started with full size profile' templates 'which I made  
> out of cardboard and then plywood. I placed the side view profile against the  
> nose area and trimmed everything away until from a side view all I could see was  
> the 'template'.

> Then I did the same for a overhead or plan view. Finally I rounded the corners.  
> In this process the NG 31 gets trimmed as needed so just be sure it is at least  
> as big as you need for now.

>  
> Have never ridden a Gold Wing but have a BMW RT that I climb on when my nerve is  
> up (and preferably the wife is not around). Too bad PVG is on the other side of  
> the continent.....

>  
> Am planning to be at SNF to observe the race of Monday. Would love to get  
> together if you make it

>  
> Dave.