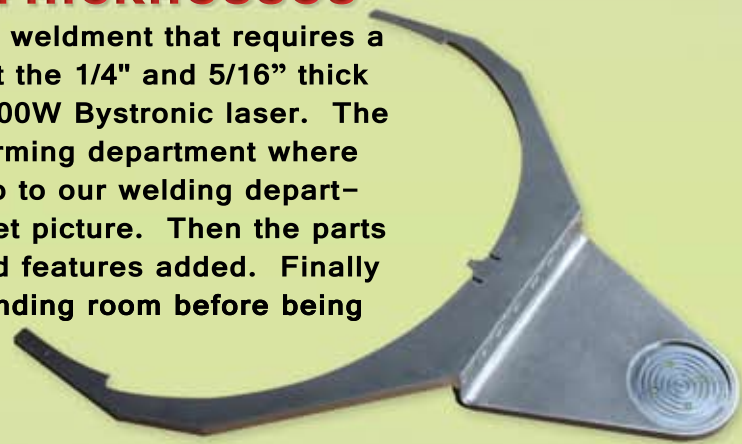


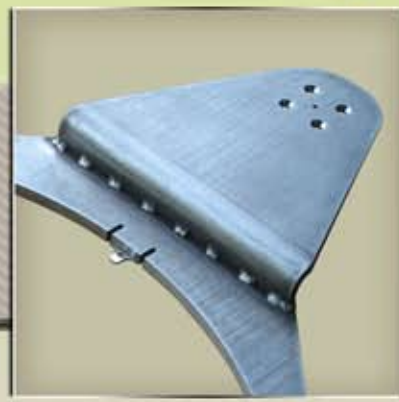


## A Tale of Two Metal Thicknesses

This month we are featuring a stainless steel weldment that requires a final machining operation after welding. First the 1/4" and 5/16" thick stainless steel flat patterns are cut on our 3000W Bystronic laser. The thinner 1/4" thick piece then travels to our forming department where the flange is added. Next the components go to our welding department to be stitch welded as shown in the inset picture. Then the parts go to our machine shop to have the machined features added. Finally the parts are polished and finished in our grinding room before being inspected and shipped.



# Part of September the Month



**Quiz:**  
Which Elton John song did the Beach Boys sing backup vocals on?  
a. Candle In the Wind  
b. Bennie & The Jets  
c. Don't Let The Sun Go Down On Me  
d. Goodbye Yellow Brick Road

**Problem:**  
Consider 17 lines drawn at a tangent to an ellipse. The lines break up the plane into several regions, some bounded (i.e., enclosed) and others unbounded. How many unbounded regions are there?

\* Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to [www.metalwork.com](http://www.metalwork.com) and click on Problem of the Month link.

**Quote:**  
Why join the Navy when you can be a pirate?

*~ Steve Jobs ~*

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