

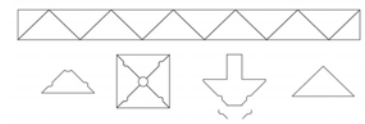


ENTRY 01

Challenger Award

Introducing the Four Face newel. It is our patented new design in stair newel making as to where all four faces have face/straight grain. Through this adventure we have engineered many new wood cutting technologies and equipment to manufacture the triangles. With new wood drying procedures to dry the triangles, saving lumber for less waste by cutting them right at the log.

This design opens up a whole new world of custom newels. You are able to mix different species of wood into it for a whole new look. The 3/4" hole through the center allows for threaded rod mounting or you can add lights or use the holes for automatic centers on your lathe. Yes they can also be turned! The versatility of the four face newel is endless.



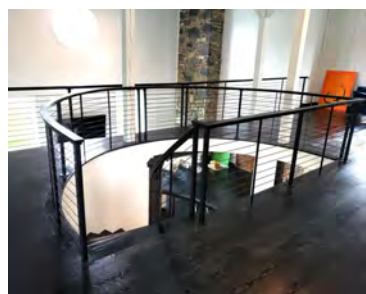
NOTE: Entry met the code as enforced in the local jurisdiction.



ENTRY 02

Challenger Award

This is approximately 40' of 3/16" Stainless Steel Blackened Cable, installed on a large radius, in a stunning 150 year old barn repurposed into a home. The challenge we faced was keeping the curve smooth to the radius of the balcony. This was accomplished by adding intermediate supports strategically along the radius. The handrail, including the staircase and long balcony, was Ebony stained White Oak.





ENTRY 03

Challenger Award

Improve the process of installing glass clamps, we 3D printed this jig to speed up and more accurately install glass clamps on posts. This jig is a two part system. First you place the clamp on the post and drill your hole. Next, you flip it over and insert the glass clamp and tighten it down with a screw. Once you remove the jig, it is placed in the perfect position.

The other 3D printed part is for installing glass at an angle on a post. This opens up opportunities to use 3D printed parts for all kinds of stair applications. The piece has holes to screw the angled part into the post and a machine thread for installation of the glass clamp.

