Cust-O-Fab has been providing quality products to its customers for years. We offer a complete package of equipment and service to our customers, both on and off the project site. Our experienced staff and innovative manufacturing techniques set us apart from other suppliers in the power generation industry. At Cust-O-Fab, we work hard to provide high-quality service and products, while staying on schedule and keeping costs low for our customers.

Cust-O-Fab Exhaust Plenums Specifications

We have improved the design of our exhaust plenum to include:

» Drainable liner floor with a shingled design that allows liquids to drain easily, which reduces liquid buildup and prolongs insulation life.

» Optional jacking port

» Double-sealed wing door (see diagram Section E-E)

» Internally-insulated, full-floating internal liner design that allows thermal movement with minimal stress, which greatly reduces cracking and improves insulation retention.

» Forward and Aft flex seal insulating collar (see diagram Section C-C). Additional insulation and liner sheets are installed in front of the flex seals on the forward wall, as well as on the backside of the flex seals on the aft wall, which significantly decreases temperatures in the load compartments.

» Aft wall mounting ring welding detail that has been re-designed to reduce mechanical stress in the ring.

» Flex seals that are made of stainless steel to prevent deformation and leaks from developing in the joint.

» Expansion Joint with a cold flange design that utilizes downstream insulation to keep joints cooler and extend their service lives (see diagram Section A-A)
Cust-O-Fab Provides Added Value To Each Project

» Our management has years of experience installing the exhaust equipment, and understands how to efficiently coordinate work with the turbine crew, so everyone can work productively.

» Craft personnel in the power division have earned a reputation for being some of the most knowledgeable, efficient, and productive workers in the industry.

» Cust-O-Fab understands the critical stages of each installation:
  • The exhaust plenum’s alignment with the exhaust frame and diffuser.
  • How the insulation is installed in the field joints. (Making sure the insulation is staggered without voids, which will cause hotspots.)
  • Liner-sheet layers are staggered in a way that allows the water to drain properly.
  • The tightening and torquing of the nuts that secure the liner sheets is done properly, which allows the liner sheets to move and float as intended.

» If there were an issue onsite with engineer / drafting and manufacturing, Cust-O-Fab Management would resolve the issue, that would neither impact customers schedule or create additional cost.