

Since 1972,
our customers have known they can
count on us
at every turn.



EXPERIENCE & INNOVATION

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.

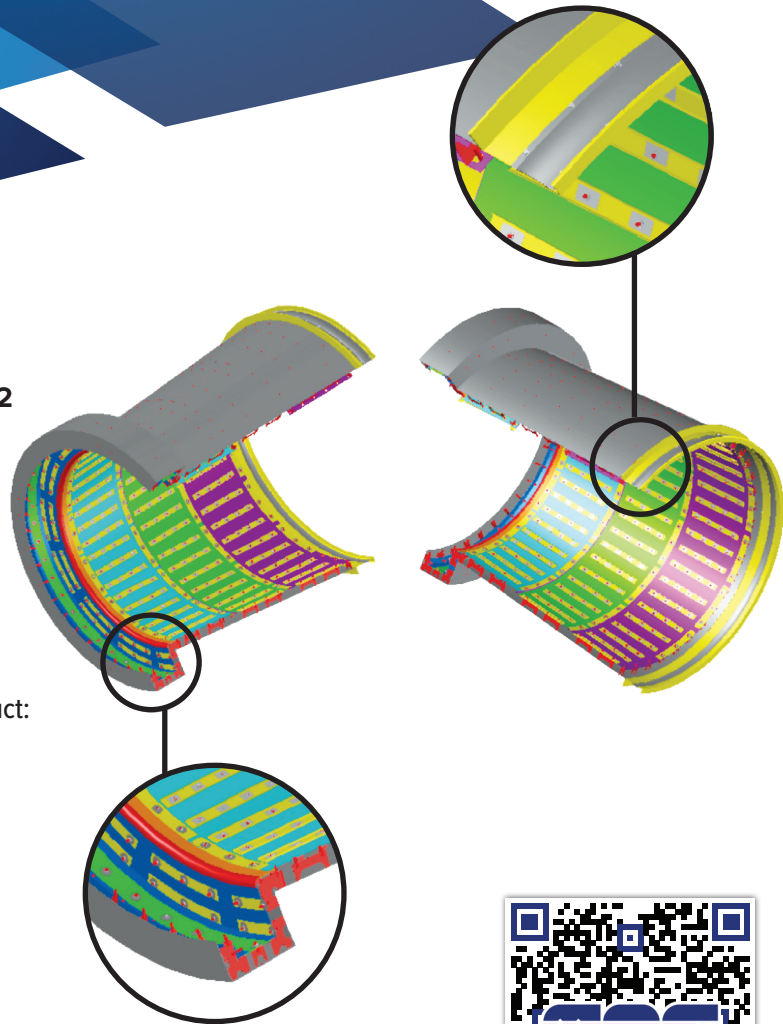
FS-7F A042 DUCT LINER SYSTEM UPGRADE

CUST-O-FAB has improved the design of the FS -7F A042 liner system to include:

- New liner system will be completely lapped for gas flow.
- Eliminates original field joint liners lapped against flow.
- Redesign trough liner provides additional support and thermal expansion allowance.
- Improved insulation materials. Original materials used are susceptible to loss of fill over time due to heat and vibration.

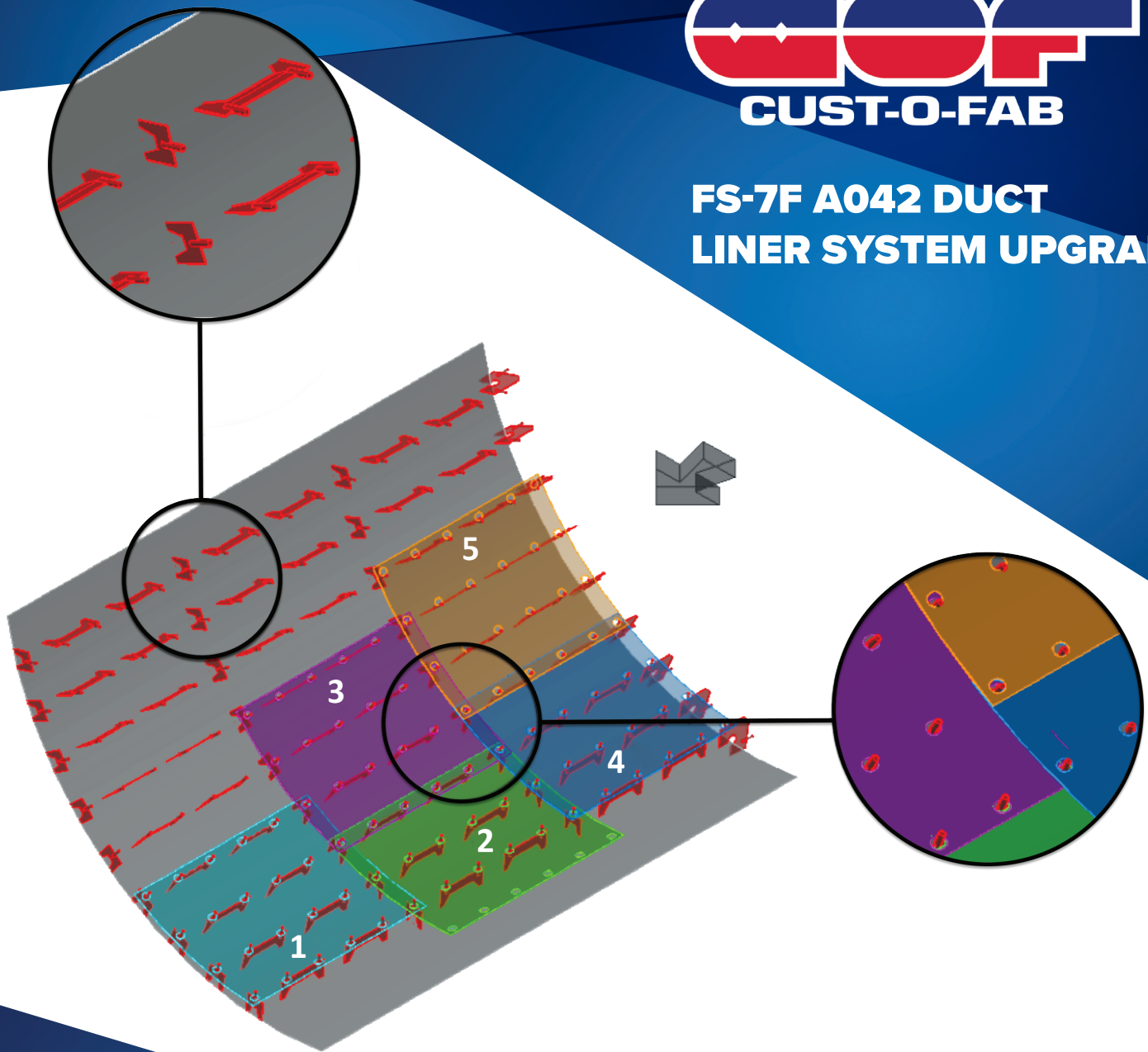
The loss of insulation can have the following effects on the A042 Duct:

- Insulation pillows – wrapped
- Reduced thermal protection, gaps created in the insulation allow for external hot spots and potential exhaust gas leakage issues.
- Reduced damping of the liner system, thus creating additional vibrational stress and fatigue issues.
- Reduced acoustical performance, thus increasing near field and far field sound power levels.





FS-7F A042 DUCT LINER SYSTEM UPGRADE



- Scallop Bars and Studs made from same 304 Stainless Steel. Eliminates original dis-similar metal scallop bar design and the associated thermal growth differential strains and fatigue issues.
- Maximum 2 studs per scallop bar. Eliminates long scallop bar runs that create additional thermal expansion issues.
- Alternating scallop bar direction and clamping bars design provides for stronger liner systems and increases the system natural frequency response range thus reducing vibrational stresses induced by flow.
- Maximum of 3 liner sheets overlapping a stud. Reduces liner binding and thermal growth loading on scallop bar studs.

