

COMPANY OVERVIEW



**THE
AEROACOUSTIC
CORP.**



Darlington, SC

AEROACOUSTIC PROVIDES DESIGN, ENGINEERING, AND MANUFACTURING OF THE FOLLOWING:



- ▶ Soundproof Impact Resistant Doors & Windows
- ▶ Custom Ladders, Handrails, & Platforms
- ▶ Electric Motor Silencers
- ▶ Acoustical Barrier Walls
- ▶ Jet Engine Test Cell Acoustical Treatment
- ▶ Augmenters
- ▶ Industrial & Commercial Air-Conditioning Equipment & Duct Treatment
- ▶ Cooling Tower Acoustical Treatment
- ▶ Flex Connections
- ▶ Steam Boiler Blow Off Silencers
- ▶ Turbine Enclosures & Silencers
- ▶ Diesel Generator Enclosures & Sound Rooms
- ▶ Fan Silencers
- ▶ Piezometer & Velocity Tubes
- ▶ Air Filters & Accessories
- ▶ Acoustic Weather-Proof Louvers
- ▶ Compressor Enclosures & Portable Personnel Rooms
- ▶ Acoustic Control Rooms
- ▶ Noise Chimney Stack Stuffers
- ▶ Dampers
- ▶ SS & CS Piping – ¼" to 20"

NOISE CONTROL PRODUCTS



Sound Barrier Walls

Description: Silentbarrier™ Model 4P System for electrical transformers at substation with Quick Access Retainers for ease of installation and removal. Thermoset polyester resin finish for aesthetics and durability. Complete with hot-dipped galvanized structural support system.

Dimensions: 131ft long x 55ft wide x 32ft high.

Weight: 130,000 Lbs.

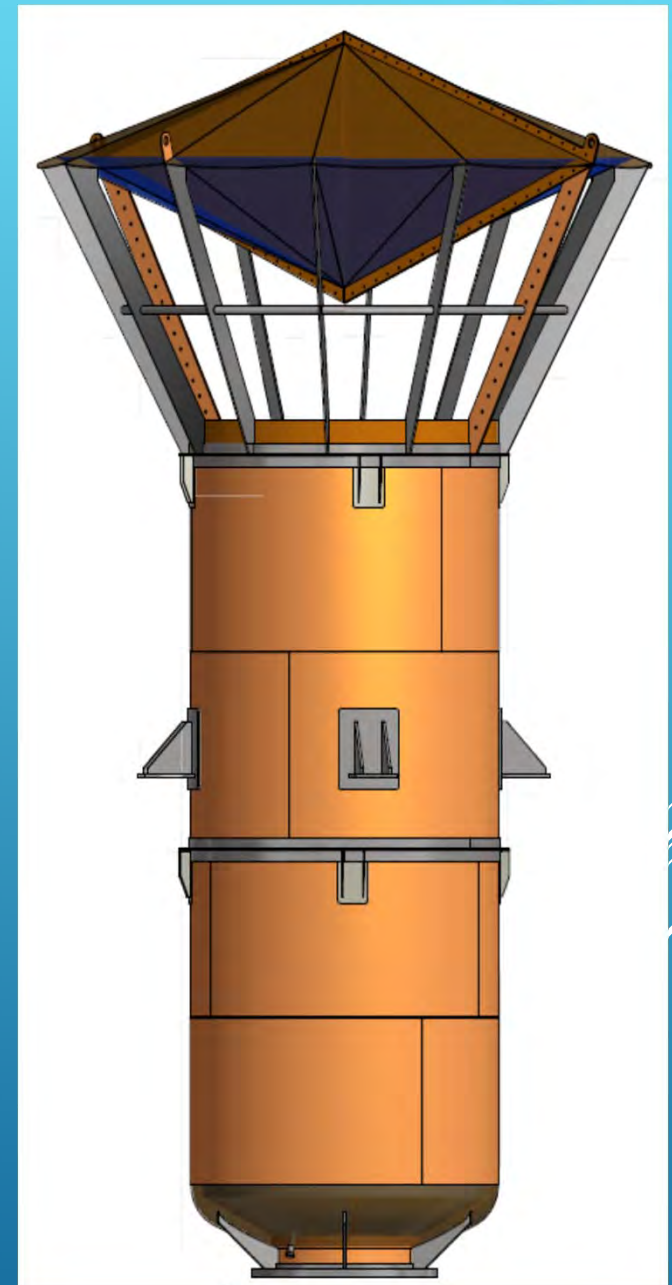
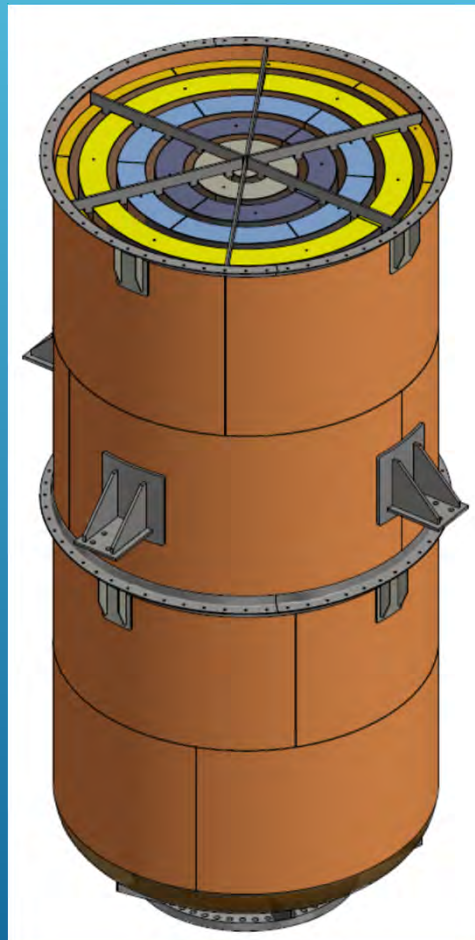
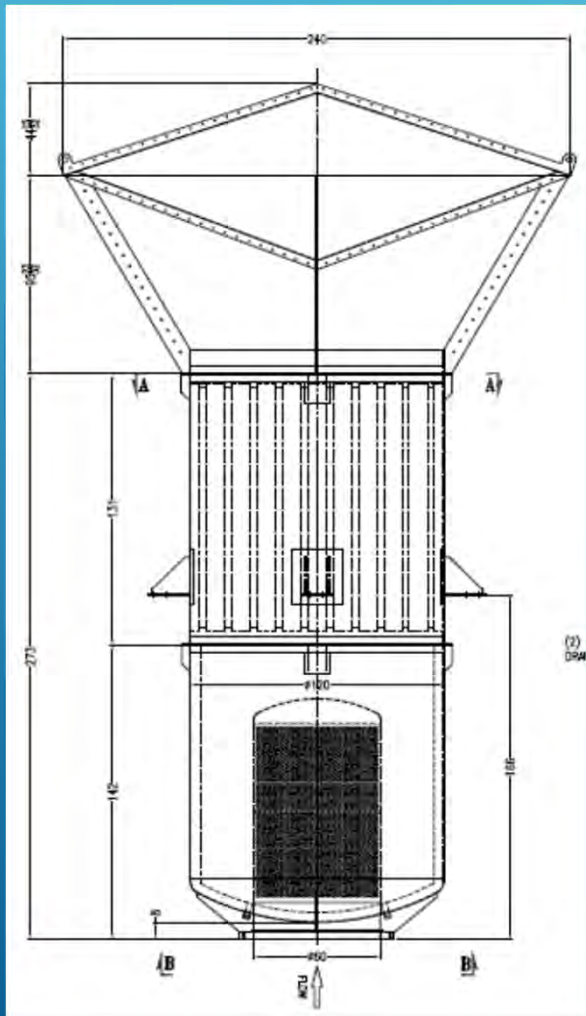


Jet Engine Test Cell Blow-off Silencer

Description: Model BOC-80-10 Blow-Off Silencer with Rainhood

Dimensions: 20ft Sq. Rainhood, 10ft Dia. With 12ft tall Diffuser & 11ft tall Silencer

Weight: 36,000 Lbs.

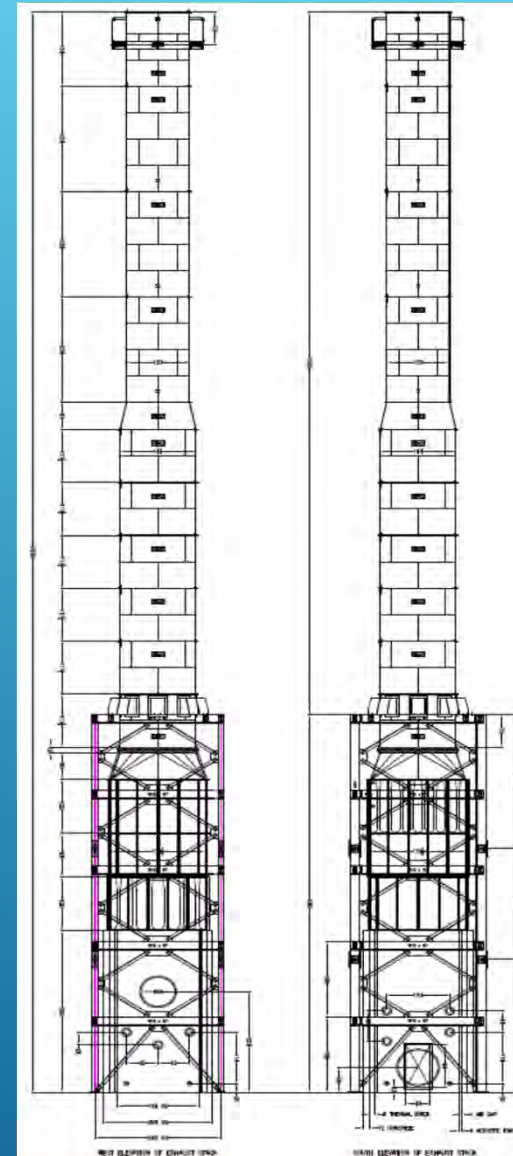
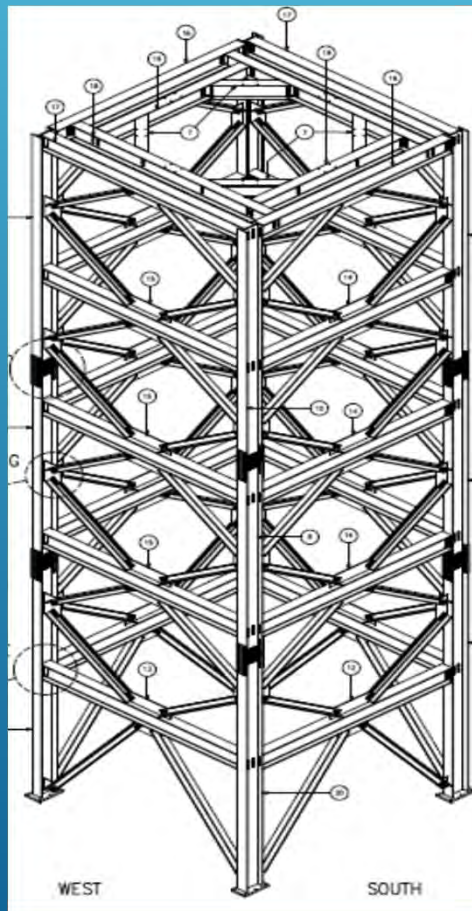


Jet Engine Test Cell Exhaust Stack

Description: Exhaust Stack with Silencers & Support Steel

Dimensions: 15ft x 15ft Lower x 12ft to 10ft diameter x 200ft tall

Weight: 330,000 Lbs. Each



Jet Engine Test Cell Exhaust Stack



Structural Supports



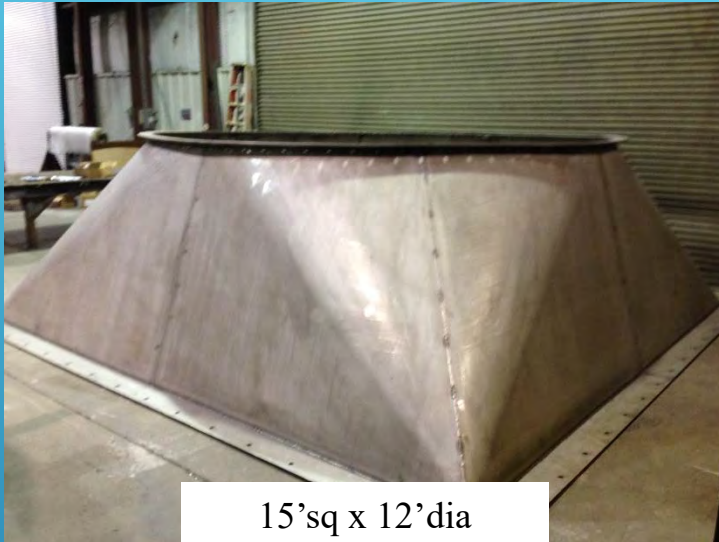
$\frac{1}{2}$ of Silencer Section



Plenum Sections



Jet Engine Test Cell Exhaust Stack



15'sq x 12'dia
Transition



12'dia Flex
Connection



12'dia Stack Base



12'dia x 10'lg Stack Sections

Jet Engine Test Cell Exhaust Stack



12'dia x 10'dia
Stack Transition

12'dia Stack Section



10'dia x 20'lg Stack Section

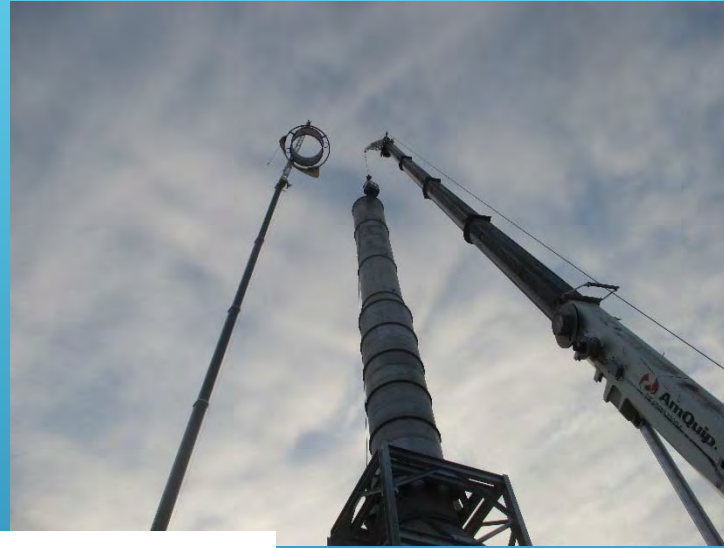


10'dia x 25'lg Stack Section

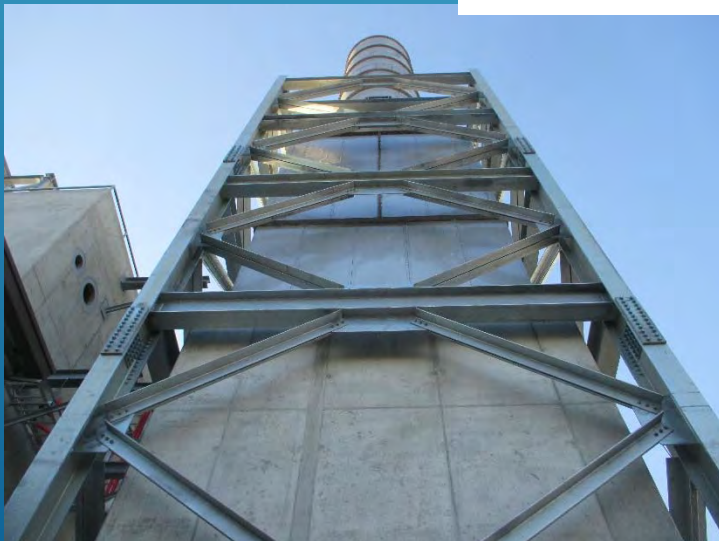


10'dia x 10'lg Top Stack Mass Tune Damper

Jet Engine Test Cell Exhaust Stack



Stack Assembled Complete



Jet Engine Test Cell Silencer

Description: Aviation Engine Test Cell Inlet Silencer with Bellmouth

Dimensions: 40ft wide x 40ft high Test Cell ID

Weight: 110,000 Lbs. Total



170919 - Confidential

Turbine Inlet Silencer

Description: Gas Turbine Inlet Silencers

Dimensions: 11ft wide x 15ft high x 6ft long

Weight: 12,000 Lbs. Each



NCPA Project Rocklin, CA

Description: Gas Turbine Exhaust Silencers

Dimensions: 12ft x 17ft x 36ft high

Weight: 102,000 Lbs. Each



173919 - Confidential



Absorptive Silencers



Description: Coal Mine Vent Fan Discharge Silencers with Transitions

Dimensions: 12ft wide x 12ft high x 12ft long

Weight: 15,000 Lbs. Each



Vent Silencers

Description: Stainless Steel Blow-Off Silencer with Diffuser

Dimensions: 6ft x 6ft x 12ft long

Weight: 15,000 Lbs. Each



Stack Discharge Silencer

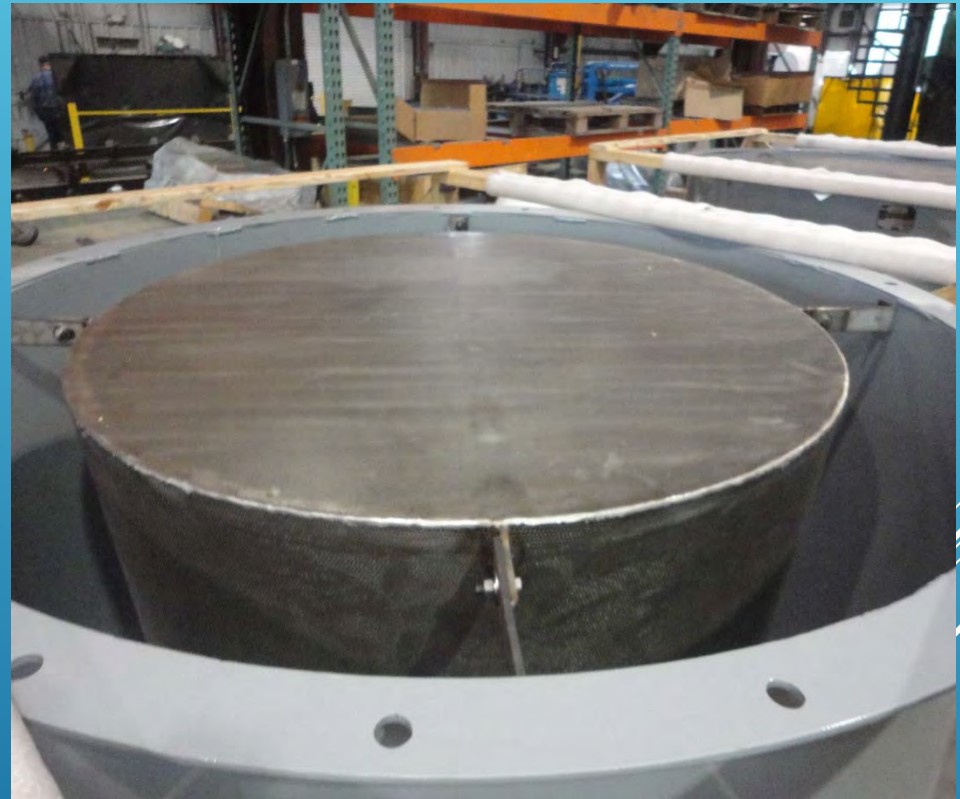
Description: Parallel Baffle Discharge Silencer with Removable Baffles

Dimensions: 10ft Inside Diameter x 8ft long

Weight: 11,000 Lbs. Each



Conical Tubular Silencer



170919 - Confidential



IB Silencer with Rain Hood



Small Inlet Silencer and Acoustical Louver



Small Acoustic Enclosures



Acoustic Enclosure

Description: Model 4P Acoustic Enclosure

Dimensions: 30ft wide x 40ft long x 10ft high

Weight: 20,000 Lbs. Assembled



Filter Inlet Silencer



Silencers

- Fan – Inlet & Discharge
- Electric Motor
- Blow-off



DAMPERS & FILTER SYSTEMS



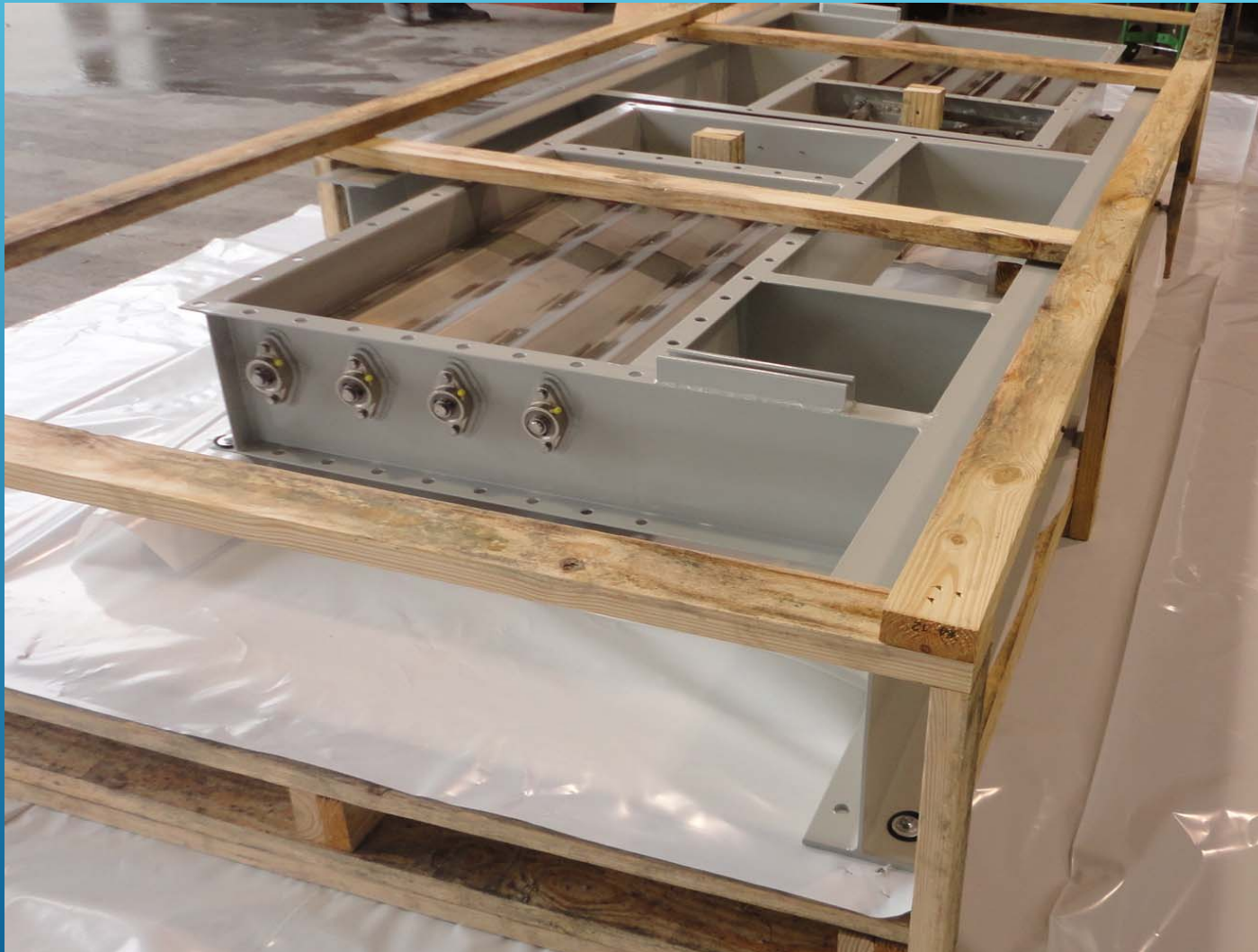
Dampers

- Volume Control
- Back draft
- CO₂ Containment

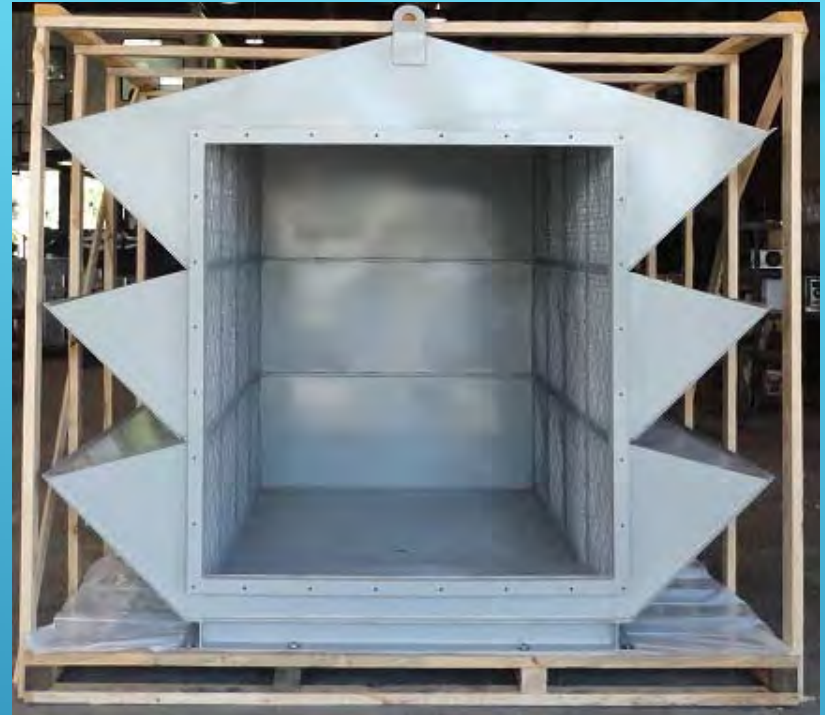


Fan Frame Dampers

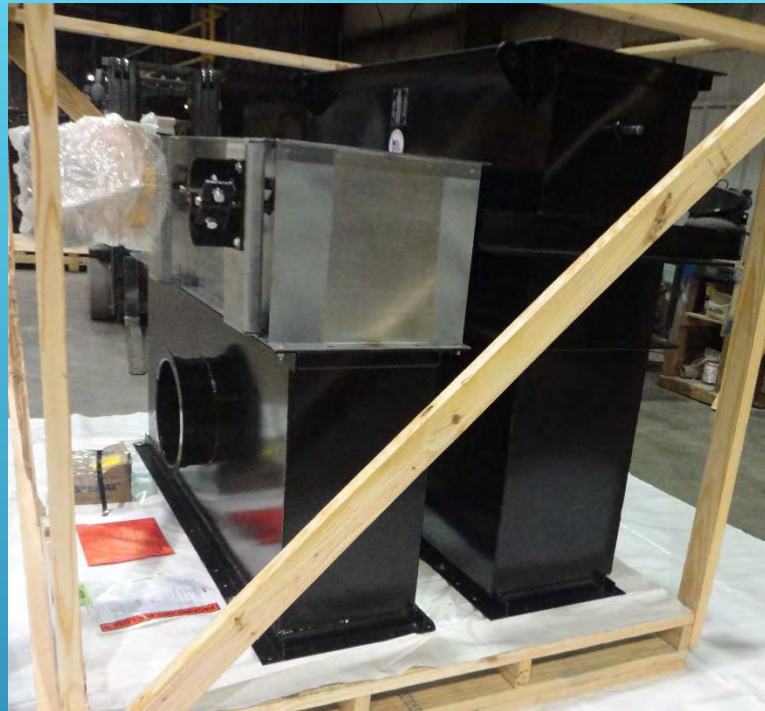
- Back draft



Filtration/Clean Air Intake



- Damper
- Mix Box
- Silencer

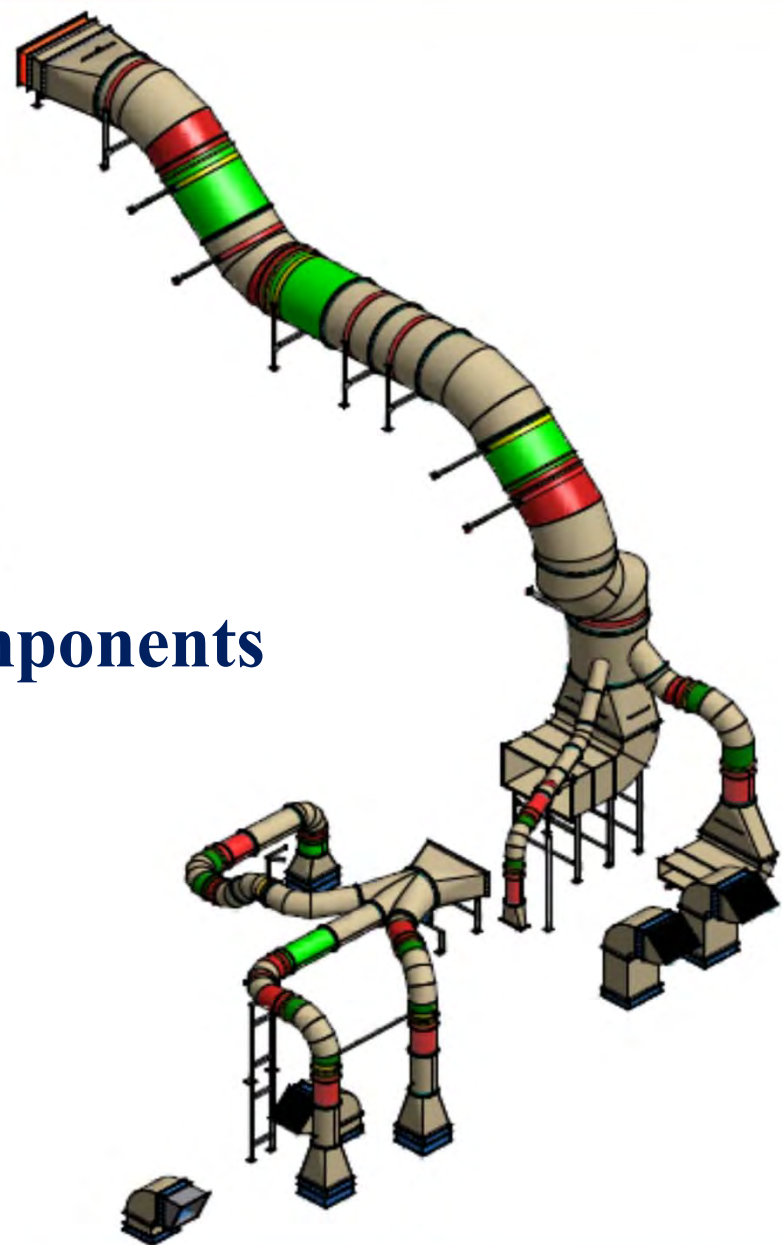


LARGE FABRICATIONS



Job #145058
MLI 1623
Job Site: Hawiyat

Ducting Components



Ducting

Description: Turbine Compartment Ventilation Ducting

Dimensions: 24" to 66" diameter with transitions, dampers, silencers & supports.

Weight: 30,000 Lbs. Total



7EA Inlet Plenum

Description: Turbine Generator Inlet Plenum

Dimensions: 12ft x 12ft x 6ft

Weight: 5,000 Lbs. Total



7EA Exhaust Plenum

Description: Turbine Generator Exhaust Plenum

Dimensions: 12ft x 12ft x 8ft

Weight: 7,800 Lbs. Total



Enclosure

Description: Turbine Generator Load Compartment Enclosure

Dimensions: 12ft x 12ft x 4ft

Weight: 5,000 Lbs. Total



Enclosure

Description: Turbine Generator Load Compartment Enclosure with Platforms and Ventilation Silencers

Dimensions: 15ft x 15ft x 4ft

Weight: 10,000 Lbs. Total



Enclosure

Description: Turbine Generator Exhaust Enclosure

Dimensions: 30ft x 30ft x 30ft

Weight: 70,000 Lbs. Total



Jet Engine Test Cell Door

Description: Aviation Engine Test Cell Main Door including seals and drive system

Dimensions: 30ft wide x 42ft high x 16" thick

Weight: 100,000 Lbs. Total



SMALL FABRICATIONS



12" Diameter SS Duct



Flush Box Kit



Stainless Steel Ducting



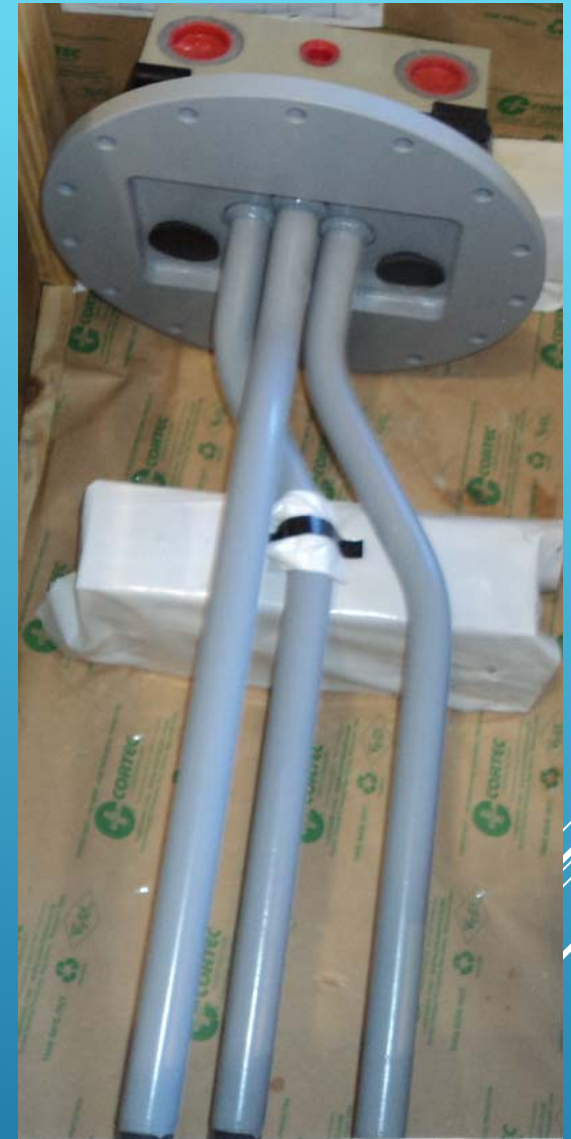
Machined Brackets



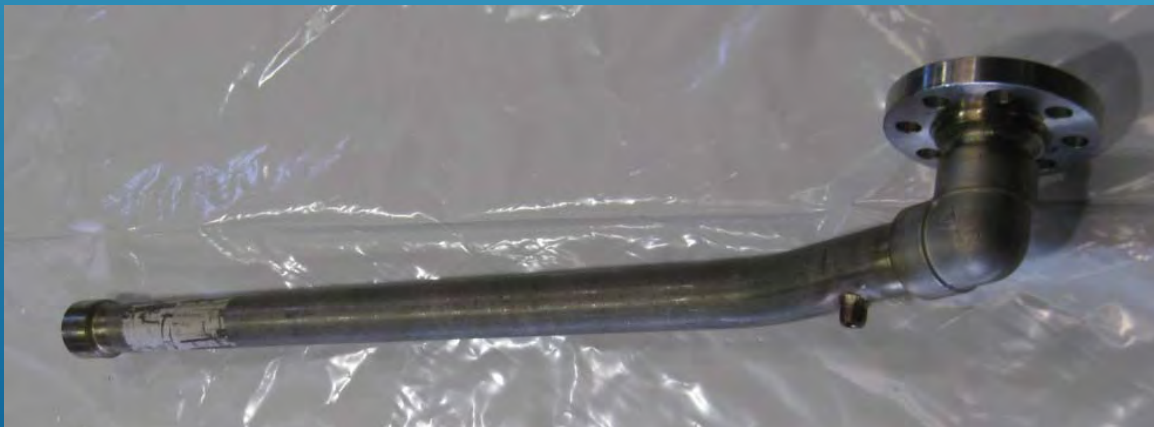
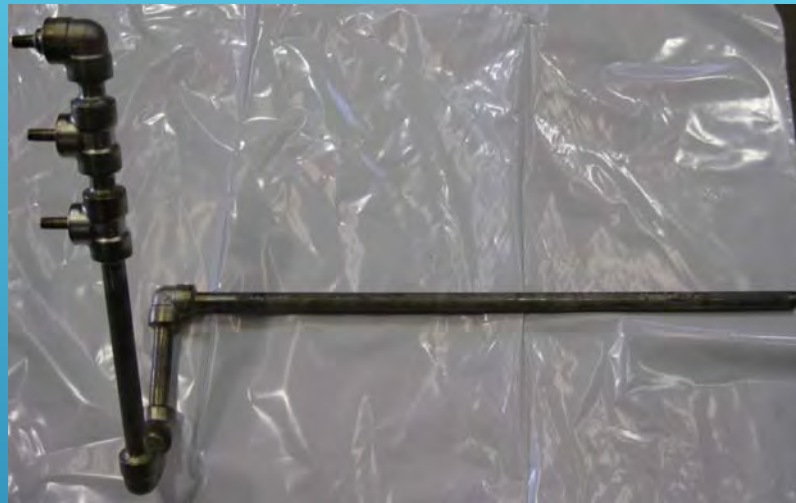
Single-Stage Nozzle Ejector



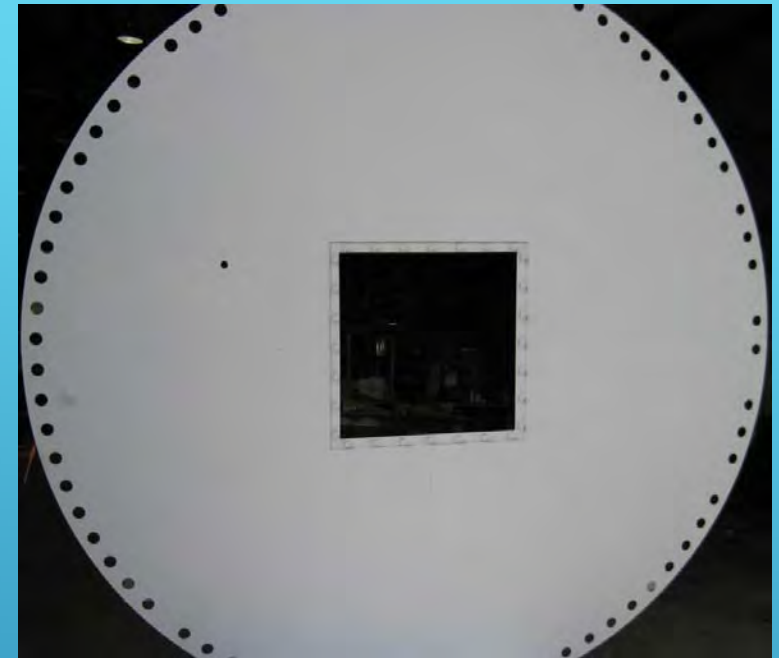
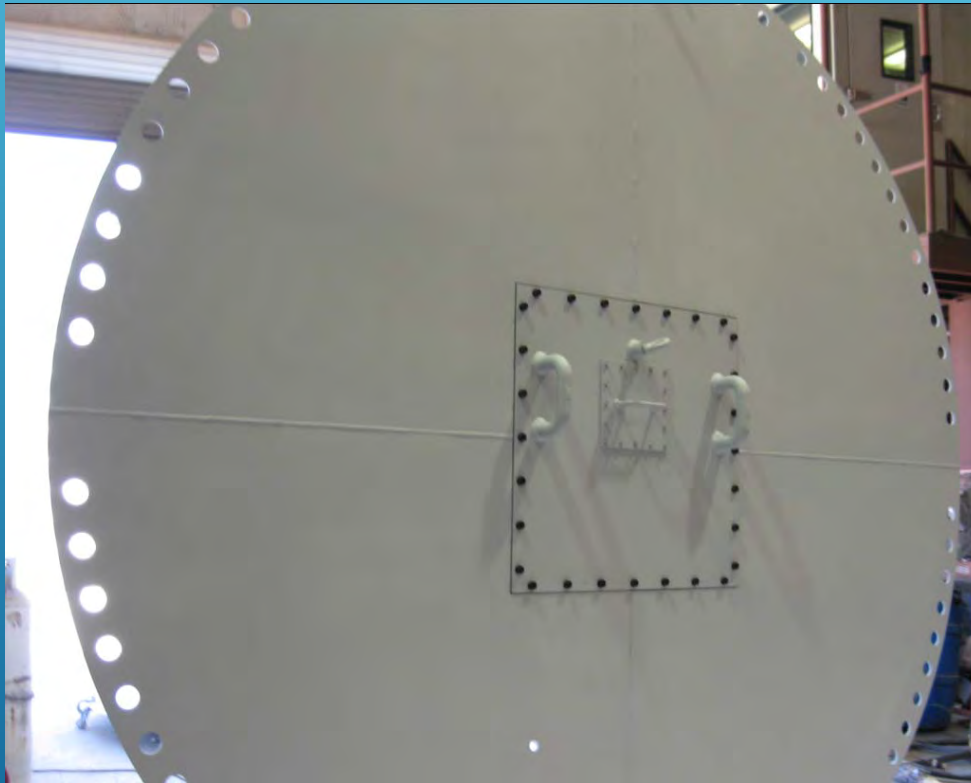
Hydraulic Manifolds



Stainless Steel Piping



Stator Frame Shipping Covers



MISCELLANEOUS COMPONENTS / KITTING



Weather Deflector



Carbon Steel Piping



Machined Gib



Machined Bronze Ring

2205 DUPLEX STEAM JACKETED FAN HOUSINGS



Description: Pressure Rated Fan Housing & Plug

Material: 1/2 & 5/8 2205 Duplex Stainless Steel

Weight: 3,000 Lbs. Total



ABOUT US




- ▶ Aeroacoustic is an industry leader in the design, engineering and manufacturing of Industrial Noise Abatement Equipment.
- ▶ Aeroacoustic also designs, engineers and manufactures systems and products based on customer requirements and demands.
- ▶ Darlington, SC facility opened in 1998
- ▶ A 100% Woman Owned and Operated Company
- ▶ ISO 9001:2015 certified
- ▶ 35 Employees
- ▶ Welders are certified per AWS D1.1, D1.3, D1.5, D1.6, & ASME IX for carbon and stainless steel
- ▶ Painters qualified per Paint and Surface prep P6C-AG25



SILENCER SELECTION PROGRAM

Email: Password: New user? [Create an account](#) | [Forgot Password](#)




Aeroacoustic Corporation's
AeroDesign Online
Silence Your Fan With Our Industrial Fan Silencers

- Home
- Company History
- Price Request
 - Inlet Silencers**
 - Silentflow CI
 - Silentflow SI
 - Silentflow TI
 - Silentflow IB
 - Discharge Silencers**
 - Silentflow DF
 - Silentflow TO
- Contact Us
- Report Problems
- Terms & Conditions

A fan radiates noise through both its inlet and its discharge. In most cases, either the fan inlet or discharge is connected to some type of equipment which absorbs the noise from that side of the fan. Normally, only the inlet or discharge needs to be silenced.


The Aeroacoustic Corporation has designed a series of six fan silencers, made up of a wide variety of sizes and capacities, that are compatible with popular fan sizes and types to reduce the noise levels to those required either by law or customer preference. We also offer a wide variety of accessories, including but not limited to flow tubes, rainhoods and filter assemblies.

Inlet Silencers



"Silentflow" MODEL CI (For single-inlet fans without inlet boxes - horizontal inlet)

"Silentflow" Model CI inlet silencer is designed to bolt directly to the fan inlet flange. The silencer includes a silencing section followed by a plenum section with one or two access doors for installation and inspection. A 1" x 1" galvanized mesh inlet screen is included at no additional cost.



"Silentflow" MODEL SI (For single-inlet fans without inlet boxes - 90 deg. Inlet)

www.aerodesignonline.com



American Systems Registrar, LLC, a provider of third-party system registration services, is accredited by the ANSI-ASQ National Accreditation Board attests that:

AEROACOUSTIC CORPORATION

3300 CORPORATION WAY
DARLINGTON, SC 29532

with a scope of:

**DESIGN, DEVELOPMENT, MANUFACTURING
DELIVERY OF NOISE REDUCTION AND ELIMINATION
SOUND SYSTEMS**

has established a quality management system that is in conformance with the
Quality System Standard

ISO 9001:2015

ASR Certificate Number: 5791
Date of Certification: August 16, 2017
Date of Certification Expiration: August 15, 2020
Date of Initial Registration: September 9, 2014
Revision:
Re-Issue Date:

Richard V.
President

CERTIFICATE OF REGISTRATION

QUALITY ISO 9001:2015 CERTIFIED

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