

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-332
Item to be Scouted	BABA Compliant Access Panels
Days to be scouted	30
Response Due By	10/10/2025
Description	Access Panel: a. Provide two sided access panels, to allow access to all internal components

Section 2: Technical Information

Type of supplier being sought	Colorado General
Details	BABAA-compliant self-certified manufacturers
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Domestic components in each of the BABAA compliant manufactured products must exceed 55% of the total component cost and be assembled in the United States.
Provide dimensions / size / tolerances / performance specifications for the item	See attached specs and mechanical schedule for more information.
List required materials needed to make the product, including materials of product components	See attached specs and mechanical schedule for more information.
Are there applicable certification requirements?	Yes
Details	Build America, Buy America Act (BABAA) compliant
Are there applicable regulations?	Yes
Details	Must be able to submit BABAA manufactured product self-certification manufactured product letter that details a compliant product.
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	See attached specs and mechanical schedule for more information.

Section 4: Business Information

Estimated potential business volume	TBD post selection. Cost should be the best available, and cannot increase the project cost by 25%.
Estimated target price / unit cost information (if unavailable explain)	TBD post selection. Cost should be the best available, and cannot increase the project cost by 25%.
When is it needed by?	Q1 2026
Describe packaging requirements	Must arrive undamaged
Where will this item be shipped?	Colorado

Additional Comments

Is there other information you would like to include?	<p>Nationwide Search</p> <p>Provide written documentation in response to the Supplier Scouting request of being a current Build America Buy America Act compliant Access Panels manufacturer with experience in manufacturing the system components, meeting the product performance requirements.</p> <p>Information on BABAA compliance requirements can be found at the Made in America Office link https://www.madeinamerica.gov/.</p>
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1. Manufacturer:
 - a. Fans shall meet model numbers, types, sizes, capacities, and electrical characteristics as indicated on the contract drawings. Acceptable manufacturers: Greenheck, Cook, Penn Ventilator or Twin City Blower Company.
 2. General:
 - a. Shall have a normal operating temperature of up to 130 Fahrenheit (54.4 Celsius).
 - b. Each fan shall bear a permanently affixed manufacture's engraved metal nameplate containing the model number and individual serial number.
 3. Wheel:
 - a. Shall be non-overloading, backward inclined centrifugal wheel.
 - b. Shall be constructed of aluminum.
 - c. Shall be statically and dynamically balanced in accordance to AMCA Standard 204-05.
 - d. The wheel cone and fan inlet shall be matched and shall have precise running tolerances for maximum performance and operating efficiency.
 - e. Single thickness blades shall be securely riveted or welded to a heavy gauge back plate and wheel cone.
 4. Motors:
 - a. Motor enclosures shall be Open dripproof
 - b. Motors shall be permanently lubricated, sleeve bearing type on sizes 8-12 and ball bearing type on sizes 14-24 to match with the fan load and furnished at the specific voltage and phase.
 - c. Motor shall be accessible for maintenance.
 5. Housing/Cabinet Construction:
 - a. Construction material: Galvanized
 - b. Square design constructed shall be of heavy gauge galvanized steel and shall include square duct mounting collars.
 - c. Housing and bearing supports shall be constructed of heavy gauge bolted and welded steel construction to prevent vibration and to rigidly support the shaft and bearing assembly.
 6. Housing Supports and Drive Frame:
 - a. Housing supports shall be constructed of structural steel with formed flanges.
 - b. Drive frame shall be welded steel which supports the motor.
 7. Disconnect Switches:
 - 1) NEMA 1: indoor application no water: factory standard
 8. Duct Collars:
 - a. Shall be of square design to provide a large discharge area.
 9. Access Panel:
 - a. Provide two sided access panels, to allow access to all internal components.
 - b. Locate perpendicular to the motor mounting panel.
- B. Belt Drive Duct Inline Centrifugal Fans:**
1. Manufacturer:
 - a. Fans shall meet model numbers, types, sizes, capacities, and electrical characteristics as indicated on the contract drawings. Acceptable

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manufacturers: Greenheck, Cook, Penn Ventilator or Twin City Blower Company.

2. General:
 - a. Fans shall have a maximum continuous operating temperature of 130 Fahrenheit (54.4 Celsius).
 - b. Each fan shall bear a permanently affixed manufacture's engraved metal nameplate containing the model number and individual serial number.
3. Wheel:
 - a. Shall be forward curved centrifugal wheel.
 - b. Shall be constructed of galvanized steel.
 - c. Shall be statically and dynamically balanced in accordance with AMCA Standard 204-05.
4. Motors:
 - a. Motor enclosures: Open dripproof
 - b. Motors shall be permanently lubricated, heavy duty ball bearing type to match with the fan load and furnished at the specific voltage and phase.
 - c. Motor shall be mounted on vibration isolators, out of the airstream.
 - d. For motor cooling there shall be fresh air drawn into the motor compartment through an area free of discharge contaminants.
 - e. Motor shall be accessible for maintenance.
5. Shafts and Bearings:
 - a. Fan shaft shall be ground and polished solid steel with an anti corrosive coating.
 - b. Shall be permanently sealed bearings or pillow block ball bearings.
 - c. Bearings shall be selected for a minimum L10 life in excess of 100,000 hours (equivalent to L50 average life of 500,000 hours), at maximum cataloged operating speed.
 - d. Bearings shall be 100 percent factory tested.
 - e. Fan Shaft first critical speed shall be at least 25 percent over maximum operating speed.
6. Housing:
 - a. Shall be constructed of heavy gauge galvanized steel.
 - b. Shall be of rectangular design construction and shall include rectangular duct mounting collars.
 - c. Shall include prepunched mounting brackets.
7. Housing Supports and Drive Frame:
 - a. Drive frame assemblies shall be constructed of heavy gauge steel and mounted on vibration isolators.
 - b. Shall be designed with belt adjustment to eliminate scroll damage.
8. Duct Collars:
 - a. Shall be provided for duct connections for outlet and inlet collars.
9. Drive Assembly:
 - a. Belts, pulleys, and keys shall be oversized for a minimum of 150 percent of driven horsepower.
 - b. Belts shall be static free and oil resistant.
 - c. Pulleys shall be: Cast type, keyed, and securely attached to wheel and motor shafts.
 - d. Motor pulleys shall be adjustable for final system balancing.
 - e. Readily accessible for maintenance.
10. Access Panel:
 - a. Provide removable access panel for access to all internal components.

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- 11. Mounting Brackets:
 - a. Provide fully adjustable mounting brackets for multiple installation conditions.
- 12. Options/Accessories:
 - a. Disconnect Switches:
 - a) NEMA 1: indoor application no water: factory standard

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify roof curbs are installed and dimensions are as shown on the shop drawings and instructed by the fan manufacturer.

3.2 PREPARATION

- A. Coordinate roof curb installation with the Division 07 specifications.
- B. Ensure that roof openings are square and/or round and accurately aligned, correctly located, and in tolerance.
- C. Ensure that ducts are plumb, sized correctly, and to proper elevation above roof decks.

3.3 INSTALLATION

- A. Secure roof, and wall fans and gravity ventilators with cadmium plated steel lag screws to roof curb.
- B. Suspended Cabinet Fans: Install flexible connections between fan and ductwork. Ensure metal bands of connectors are parallel with minimum one inch (25 mm) flex between ductwork and fan while running.
- C. Provide backdraft dampers on outlet from cabinet and ceiling fans and as indicated on Drawings.
- D. Install safety screen where inlet or outlet is exposed.
- E. Pipe scroll drains to nearest floor drain.
- F. Install backdraft dampers on the discharges of exhaust fans when they are not integral with fans and as indicated on the Contract Drawings.
- G. Provide adjustable sheaves as required for final air balance.
- H. Install Work in accordance with all applicable codes, standards, and local authorities having jurisdiction requirements.
- I. Install fans in accordance with the fan manufacturer's instructions and as indicated on the contract drawings.

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3.4 MANUFACTURER'S FIELD SERVICES

- A. Furnish services of factory trained representative for minimum of one day to start-up, calibrate controls, and instruct Owner on operation and maintenance.

3.5 CLEANING

- A. Vacuum clean coils and inside of fan cabinet.

3.6 DEMONSTRATION

- A. Demonstrate fan operation and maintenance procedures.

3.7 PROTECTION OF FINISHED WORK

- A. Refer to Division 01 Section 01700 - "Execution Requirements": Requirements for protecting finished Work.
- B. Do not operate fans until ductwork is clean, filters are in place, bearings are lubricated, and each fan has been test run under observation.

3.8 ADJUSTING

- A. Adjust fans to function properly.
- B. Adjust belt tension on belt driven fans.
- C. Lubricate bearing.
- D. Adjust drives for final system balancing.
- E. Check wheel overlap.

END OF SECTION