MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-144
Item to be Scouted	Sprinkler Heads
Days to be scouted	15
Response Due By	05/16/2025
Description	+/- 300 Sprinkler Heads * Suspended Ceiling Heads * Upright with Guard * Flexible Drop

Section 2: Technical Information

Type of supplier being sought	Manufacturer Vermont
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Metal Casting and Electrical components
Provide dimensions / size / tolerances / performance specifications for the item	PART 2 PRODUCTS 2.01 SPRINKLER SYSTEM A. Sprinkler System: Provide coverage for entire building. B. Water Supply: Determine volume and pressure from water flow test data. C. Provide fire department connections where indicated. D. Storage Cabinet for Spare Sprinklers and Tools: Steel, located adjacent to alarm valve. 2.02 SPRINKLERS A. Suspended Ceiling Type: Concealed pendant type with matching push on escutcheon plate. 1. Response Type: Quick. 2. Coverage Type: Standard. 3. Escutcheon Plate Finish: Color to be selected by architect. 4. Fusible Link: Glass bulb type temperature rated for specific area hazard. B. Exposed Area Type: Upright type with guard. 1. Response Type: Quick. 2. Coverage Type: Standard. 3. Fusible Link: Glass bulb type temperature rated for specific area hazard. C. Sidewall Type: Recessed horizontal sidewall type with matching push on escutcheon plate. 1. Response Type: Quick. 2. Coverage Type: Standard. 3. Fusible Link: Glass bulb type temperature rated for specific area hazard. D. Dry Sprinklers: Recessed sidewall type with matching push on escutcheon plate. 1. Response Type: Quick. 2. Fusible Link: Glass bulb type temperature rated for specific area hazard. E. Flexible Drop System: Stainless steel, multiple use, open gate type. 1. Application: Use to properly locate sprinkler heads. 2. Include all supports and bracing. 3. Provide braided type tube as required for the application. 4. Manufacturers: See attached document for additional information

List required materials needed to make the product, including materials of product components	Various as dependent on the implementation. May include but is not limited to brass, bronze, stainless steel, glass, heat sensitive liquid, and seals
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other stndards, requirements, etc.?	Yes
Details	National Fire Protection Association (NFPA) 13 NFPA 1963 Underwriters Laboratories (UL) (DIR) UL 405
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	The trade partner that is working on this project does have additional BABAA projects where they can apply this information This project will require +/- 300 Sprinkler Heads * Suspended Ceiling Heads * Upright with Guard * Sidewall * Dry head * Flexible Drop
Estimated target price / unit cost information (if unavailable explain)	$15,000
When is it needed by?	April 2025
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	South Burlington, VT

Additional Comments

Is there other information you would like to include?	Agency Providing funds: Commerce, U.S. Department of / National Institute of Standards and Technology (NIST) For questions related to BABA Compliance: Robert Slocum robert.slocum@nist.gov

SECTION 21 1300
FIRE-SUPPRESSION SPRINKLER SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Wet-pipe sprinkler system.

B. System design, installation, and certification.

C. Fire department connections.

1.02 REFERENCE STANDARDS

A. NFPA 13 - Standard for the Installation of Sprinkler Systems.

B. NFPA 1963 - Standard for Fire Hose Connections.

C. UL (DIR) - Online Certifications Directory.

D. UL 405 - Standard for Safety Fire Department Connection Devices.

1.03 SUBMITTALS

A. Product Data: Provide data on sprinklers, valves, and specialties, including manufacturers catalog information. Submit performance ratings, rough-in details, weights, support requirements, and piping connections.

B. Shop Drawings:
   1. Submit preliminary layout of finished ceiling areas indicating only sprinkler locations coordinated with ceiling installation.
   2. Indicate hydraulic calculations, detailed pipe layout, hangers and supports, sprinklers, components, and accessories. Indicate system controls.
   3. Submit shop drawings to Authorities Having Jurisdiction for approval. Submit proof of approval to Architect.

C. Samples: Submit two of each style of sprinkler specified.

D. Manufacturer's Certificate: Certify that system has been tested and meets or exceeds specified requirements and code requirements.

E. Operation and Maintenance Data: Include components of system, servicing requirements, record drawings, inspection data, replacement part numbers and availability, and location and numbers of service depot.

F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 6000 - Product Requirements for additional provisions.
   2. Extra Sprinklers: Type and size matching those installed in quantity required by referenced NFPA design and installation standard.
   3. Sprinkler Wrenches: For each sprinkler type.

G. Project Record Documents: Record actual locations of sprinklers and deviations of piping from drawings. Indicate drain and test locations.

1.04 QUALITY ASSURANCE

A. Comply with FM (AG) requirements.

B. Designer Qualifications: Design system under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.

C. Installer Qualifications: Company specializing in performing the work of this section with minimum 3 years experience and approved by manufacturer.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Store products in shipping containers and maintain in place until installation. Provide temporary inlet and outlet caps. Maintain caps in place until installation.

PART 2 PRODUCTS

2.01 SPRINKLER SYSTEM

A. Sprinkler System: Provide coverage for entire building.

B. Water Supply: Determine volume and pressure from water flow test data.

C. Provide fire department connections where indicated.

D. Storage Cabinet for Spare Sprinklers and Tools: Steel, located adjacent to alarm valve.

2.02 SPRINKLERS

A. Suspended Ceiling Type: Concealed pendant type with matching push on escutcheon plate.
   1. Response Type: Quick.
   2. Coverage Type: Standard.
   3. Escutcheon Plate Finish: Color to be selected by architect.
   4. Fusible Link: Glass bulb type temperature rated for specific area hazard.

B. Exposed Area Type: Upright type with guard.
   1. Response Type: Quick.
   2. Coverage Type: Standard.
   3. Fusible Link: Glass bulb type temperature rated for specific area hazard.

C. Sidewall Type: Recessed horizontal sidewall type with matching push on escutcheon plate.
   1. Response Type: Quick.
   2. Coverage Type: Standard.
   3. Fusible Link: Glass bulb type temperature rated for specific area hazard.

D. Dry Sprinklers: Recessed sidewall type with matching push on escutcheon plate.
   1. Response Type: Quick.
   2. Fusible Link: Glass bulb type temperature rated for specific area hazard.

E. Flexible Drop System: Stainless steel, multiple use, open gate type.
   1. Application: Use to properly locate sprinkler heads.
   2. Include all supports and bracing.
   3. Provide braided type tube as required for the application.
   4. Manufacturers:

2.03 PIPING SPECIALTIES

A. Wet Pipe Sprinkler Alarm Valve: Check type valve with divided seat ring, rubber-faced clapper to automatically actuate water motor alarm, pressure retard chamber and variable pressure trim with the following additional capabilities and features:
   1. Activate electric alarm.
   2. Test and drain valve.
   3. Replaceable internal components without removing valve from installed position.

B. Backflow Preventer: Reduced pressure principle valve assembly backflow preventer with drain and OS & Y gate valve on each end.

C. Electric Alarm: Electrically operated red enameled gong with pressure alarm switch.

D. Fire Department Connections:
   1. Type: Exposed, projected wall mount made of corrosion resistant metal complying with UL 405.
      a. Inlets: Two way, 2-1/2 inch swivel fittings, internal threaded. Thread size and inlets according to NFPA 1963 or Authority Having Jurisdiction. Brass caps with gaskets, chains, and lugs.
      b. Rated Working Pressure: 175 psi.
      c. Finish: Brass or bronze.
      d. Signage: Raised or engraved lettering 1 inch minimum indicating system type.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with referenced NFPA design and installation standard.

B. Install equipment in accordance with manufacturer's instructions.

C. Locate fire department connection with sufficient clearance from walls, obstructions, or adjacent siamese connectors to allow full swing of fire department wrench handle.

D. Locate outside alarm gong on building wall as indicated.

E. Place pipe runs to minimize obstruction to other work.

F. Place piping in concealed spaces above finished ceilings.

G. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.

H. Flush entire piping system of foreign matter.

I. Hydrostatically test entire system.

J. Require test be witnessed by Fire Marshal.

3.02 INTERFACE WITH OTHER PRODUCTS

A. Ensure required devices are installed and connected as required to fire alarm system.

END OF SECTION