MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-324
Item to be Scouted	BABA Compliant Distribution Panels
Days to be scouted	26
Response Due By	09/29/2025
Description	BABA Compliant: Except as modified by governing codes and by the Contract Documents, comply with the

Section 2: Technical Information

Type of supplier being sought	Other
Details	BABA-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 stndards, requirements, etc.?	No
Additional Technical Comments	See attached specs and mechanical schedule for more information.

a. UL Standards #50 and #67.
b. Federal Standard W-P-115A Type II, Class 1.
c. NEMA Standard PB-1.
2. Circuit Breakers
a. UL Standard #489.
b. Federal Standard W-C-375a Amendment No. 4 and W-C-375b.
c. NEMA Standard AB-1.
Colorado

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?	Nationwide Search Provide written documentation in response to the Supplier Scouting request of being a current Build America Buy America Act Distribution Panels manufacturer with experience in manufacturing the system components, meeting the product performance requirements. Information on BABAA compliance requirements can be found at the Made in America Office link https://www.madeinamerica.gov/.

SECTION 26 2416 - PANELBOARDS

PART 1 - GENERAL

1.1 DESCRIPTION

A. General: Provide panelboards in accordance with the Contract Documents.

1.2 STANDARDS

A. Except as modified by governing codes and by the Contract Documents, comply with the latest applicable provisions and recommendations of the following:
   1. Panelboards
      a. UL Standards #50 and #67.
      b. Federal Standard W-P-115A Type II, Class 1.
      c. NEMA Standard PB-1.
   2. Circuit Breakers
      a. UL Standard #489.
      b. Federal Standard W-C-375a Amendment No. 4 and W-C-375b.
      c. NEMA Standard AB-1.

1.3 SUBMITTALS

A. Refer to Section 26 0500 concerning the procedures and additional documents for submittals in concert with panelboard submittals. Submittals failing to meet the following criteria will be returned without a review or acceptance.

B. With each panelboard drawing the following is required.
   1. Show main devices and lug sizes; branch circuit device sizes and arrangement; bus ampacities; withstandability and short circuit rating; dimensions and construction; gutter and backbox dimensions; nameplate and legend; protective coating; and all pertinent details of panel, enclosure, cover, and method of securing cover and lock.

1.4 QUALITY ASSURANCE

A. Each panelboard as a complete and finished product shall receive a single integrated equipment rating by the manufacturer. The integrated equipment short-circuit wiring shall certify that all equipment is capable of withstanding the thermal and magnetic stress of a fault equal to the value specified on the Drawings. Such rating shall be established by actual tests by the manufacturer on similar equipment. This certification shall be permanently affixed to each panelboard. Test data shall be submitted to the Engineer at time of submission of Acceptance Drawings.

PART 2 - PRODUCTS

2.1 APPROVED MANUFACTURERS

A. All panelboards are to be of the same manufacturer as the switchboards except for fused lighting and appliance branch circuit panelboards required for selective coordination. These selective coordination fused panelboards shall be Bussmann.

2.2 PANELBOARDS IN GENERAL

A. Provide panelboards consisting of an assembly of branch circuit switching and protective devices (circuit breakers, switch and fuse units, or combination thereof) mounted inside a dead front enclosure. Provide the number and size of these branch circuit devices as indicated by the circuiting, on the drawings, and in the schedules.

B. Provide the following modifications and additional equipment as shown on the Drawings.
1. Main circuit breakers.
2. Shunt trip circuit breakers.
3. Split buses.
4. Integral remote control switches.
5. Subfeed switches.
6. Panelboard integral mounted relays and contactors.
7. Feed through or sub feed lugs and/or bus.
8. Feed through cabling arrangement.
9. Double lugs for multiple cables or for future provisions.
10. Circumferential compression lugs where aluminum conductors are employed.
11. Ground fault interrupting circuit breakers.
12. Where main breakers are indicated, they shall be factory mounted to the bus and shall be located at top center panel. Back connected branch circuit breakers are not acceptable as main breakers.

C. Interiors
1. Rigid removable assembly of tin plated aluminum or silver-plated copper bus bars and interchangeable bolted branch circuit devices.
2. Bus bars drilled to permit branch circuit devices of all sizes and number of poles to be interchangeable and installed in any spare space of sufficient size, without disturbing adjacent units; without removing main bus or branch circuit connectors and without machining, drilling, or tapping in the field.
3. Arrange bus in sequence or distributed phasing so that multi-pole circuit breaker can replace any group of single circuit breakers of the same size.
4. Provide neutral bus in each panelboard.
5. Provide ground bus in each panelboard.
6. Provide a non-linear rated panelboard when feed from a K-rated transformer.
7. Provide an isolated ground bus when panelboard feeds isolated ground receptacles.
8. Provide feed through and/or sub feed interiors as indicated on the panel schedules and one line diagram.

D. Enclosure
1. Code gauge steel box galvanized.
2. Provide a bolt-on ground connector to inside of enclosure.
3. Flush mounted in finished areas and where indicated. Surface mount elsewhere.
4. All panelboards installed outdoors shall have a NEMA 3R enclosure.

E. Front
1. Doors must be provided on all lighting and power panels. On switch and fuse panelboards doors over overcurrent devices are not to be provided unless rated for same.
2. Heavy code gauge steel as required to maintain panel face flat.
3. Hold front closed with latch and lock.
4. Factory finished in ANSI 61 gray enamel or two coats of air-drying lacquer over a rust inhibitor.
5. Provide directory for total number of poles. Panel directory shall be typed, handwritten is not acceptable. Directory shall reflect the as-built condition upon completion of the project.

6. Provide approved lock. All panels keyed alike. Furnish four (4) sets matching keys and one key per panel to the Owner.
7. Welded angle rest at the bottom of the door to facilitate cover installation.
8. Doors over 48" in height shall have auxiliary fasteners at top and bottom of door in addition to lock and catch.
9. No commercial logo on face of equipment.

F. Terminal Lugs
1. Bolted type, labeled for either copper or aluminum conductors.
2. Locate main lugs properly at top or bottom, depending where main feeder enters.

G. Electrical Ratings
1. Panelboards are to be rated 120/208 volts or 277/480 volts, 3-phase, 4-wire, full neutral with ampacities as indicated on the Drawings (unless otherwise noted).
2. Short circuit withstand ratings shall be as indicated on the Drawings.
3. Where indicated, provide panelboards having a "service entrance" Type UL label with neutrals factory bonded to frame or enclosure.

H. Circuit Breaker Devices
1. Plastic molded case. Completely sealed enclosure. Toggle type operating handle. Trip ampere rating and ON/OFF indication clearly visible.
2. Thermal-magnetic trip-free, trip-indicating, quick-make, quick-break, with inverse time delay characteristics. Single-handle and common tripping multi-pole breakers.
3. Silver alloy contacts with auxiliary arc-quenching devices.
4. Panelboard must be of the type which will accept the field installation of shunt trip devices of 60 amperes or less on the branch devices.
5. Interrupting capacities shall be as indicated on the Drawings.
6. For lighting circuits that are controlled at panel, provide devices labeled "SWD" for switching purposes.
7. Bolted type terminals U.L. listed for either aluminum or copper 75 Degrees C cables.
8. Provide main breakers in panels served from transformers.
9. Locate next to each breaker or space unit an individual number.
10. Circuit breakers serving kitchen equipment beneath cooking hoods shall include a shunt trip coil.
11. The use of series rated breakers shall be approved by the engineer prior to preparation of submittals.

I. Ground fault interrupter branch circuit breakers shall be as indicated in panel schedules. Circuit breakers shall be circuit interrupting which will operate manually for normal switching functions and automatically under overload, short circuit, and 0.005 amp line-to-ground fault conditions. The operating mechanism shall be entirely trip-free so that contact cannot be held close against an abnormal overcurrent, short circuit, or ground fault condition. The device shall be bolt-on type with insulated case construction and shall be interchangeable with standard 1P breakers utilized in the panelboard.

J. Switch and Fuse Devices
1. Quick-make, quick-break, dead-front type. Each switch a self-contained unit, externally operable from the front.
2. Fuse and switch compartment interlocked to prevent access to the fuse compartment until switch is thrown to "OFF" position. Interlock intentionally releasable by externally applied tool to permit checking switch and fuses under load.
3. Switch units interchangeable for replacement, without disturbing balance of distribution panelboard's operation.

4. Switches are to reject fuses other than those specified.
5. Provide Class R rejection type fuses as specified elsewhere.
6. Provide spare fuses as specified elsewhere.

K. Selective Coordination
1. Where Articles 700.27 and/or 701.18 and 517.26 of the NEC apply, the Bussmann coordination panel shall be utilized, or gear manufacturer shall provide supporting documentation showing compliance.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Mount panel 4 feet to panel center but with maximum height of six feet 6 inches to handle of topmost switching device.

B. Mount surface type panels a minimum 1 inch off wall on channels.

C. Where flush mounted, the fire integrity of the wall in which it is installed must be maintained.

D. Neatly arrange branch circuit wires and tie together in each gutter with Thomas & Betts nylon "Ty-Raps", or approved equal at minimum 4 inch intervals.

E. Plug all knockouts removed and not utilized.

3.2 TOUCH UP AND CLEANING

A. Vacuum all backboxes clean of debris after installation and prior to final acceptance.

B. Touch up scratch marks, etc., with matching paint.

3.3 HOUSEKEEPING PADS

A. Provide a 4" high reinforced concrete pad beneath all floor mounted panelboards.

END OF SECTION