

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-135
Item to be Scouted	Masonry Veneer Accessories
Days to be scouted	15
Response Due By	05/16/2025
Description	Masonry accessories: Through-Wall Flashing, Anchors at Masonry Walls, Anchors at Concrete Walls, Weep Vents, and High-Density Polyethylene (HDPE) Mesh

Section 2: Technical Information

Type of supplier being sought	Contract manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Prefabricated masonry accessories for masonry veneer support and water intrusion management - see attached PDF specification for additional information.
Provide dimensions / size / tolerances / performance specifications for the item	See attached PDF specification for information. Through-Wall Flashing - See page 6, section 2.06 Anchors at Masonry Walls - See page 6, section 2.07, section A. Anchors at Concrete Walls - See page 6, section 2.07, section B. Weep Vents - See page 7, section 2.08 High-Density Polyethylene (HDPE) Mesh - See page 7, section 2.09
List required materials needed to make the product, including materials of product components	See attached PDF specification for information. Through-Wall Flashing - See page 6, section 2.06 Anchors at Masonry Walls - See page 6, section 2.07, section A. Anchors at Concrete Walls - See page 6, section 2.07, section B. Weep Vents - See page 7, section 2.08 High-Density Polyethylene (HDPE) Mesh - See page 7, section 2.09
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	New Mexico Building Code.
Are there any other standards, requirements, etc.?	Yes
Details	1. Stainless steel drip plate: ASTM A240/A240M. 2. Anchors at masonry walls: Galvanized per ASTM A153/A153M.
Additional Technical Comments	N/A.

Section 4: Business Information

Estimated potential business volume	1 unit
Estimated target price / unit cost information (if unavailable explain)	\$78,000 total for selected accessories.
When is it needed by?	Project dependent over next 8 years.
Describe packaging requirements	Per manufacturer requirements. Assume palletized products.
Where will this item be shipped?	Clovis, NM

Additional Comments

Is there other information you would like to include?

Agency Providing Funds: Bureau of Reclamation: Albuquerque Area Office

For all BABA related questions please contact:

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SECTION 04 21 13.13 MASONRY VENEER

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. ASTM International (ASTM):
 - a. A153/A153M, Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - b. A240/A240M, Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
 - c. B370, Standard Specification for Copper Sheet and Strip for Building Construction.
 - d. C90, Standard Specification for Loadbearing Concrete Masonry Units.
 - e. C91, Standard Specification for Masonry Cement.
 - f. C126, Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units.
 - g. C144, Standard Specification for Aggregate for Masonry Mortar.
 - h. C150/C150M, Standard Specification for Portland Cement.
 - i. C207, Standard Specification for Hydrated Lime for Masonry Purposes.
 - j. C216, Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale).
 - k. C270, Standard Specification for Mortar for Unit Masonry.
 - l. C652, Standard Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale).
 - m. C979/C979M, Standard Specification for Pigments for Integrally Colored Concrete.
 - n. D1056, Standard Specification for Flexible Cellular Materials-Sponge or Expanded Rubber.
 - o. E96/E96M, Standard Test Methods for Water Vapor Transmission of Materials.
 - p. E2178, Standard Test Method for Air Permeance of Building Materials.

1.02 AMERICAN IRON AND STEEL (AIS)

A. This section contains materials that shall comply with the American Iron and Steel requirements of this Contract.

1.03 BUILD AMERICA BUY AMERICA (BABA)

- A. This section contains materials that shall comply with the Build America Buy America requirements of this Contract.

1.04 SUBMITTALS

A. Action Submittals:

1. Shop Drawings:
 - a. Manufacturer's product information for each different item specified.
 - b. Mix designs for mortar.
2. Samples:
 - a. Full-size units for each different exposed masonry unit required showing full range of exposed color, texture, and dimensions to be expected in completed construction. Match selected Samples at Engineer's office or listed in Finish Schedule. Include size variation data verifying that actual range of sizes for brick falls within ASTM C216 dimension tolerances for brick where modular dimensioning is indicated.
 - b. Colored masonry mortar Samples for each color required showing full range of colors expected in finished construction. Label Samples to indicate type and amount of colorant used.
 - c. Accessories embedded in masonry.

B. Informational Submittals:

1. Experience record of mortar color pigment proposed for use.
2. Manufacturer's certificate of compliance for masonry units specified herein.
3. Method and materials for removal of efflorescence.
4. Certificate of compliance with the American Iron and Steel. See Section 01 33 00, Submittal Procedures.
5. Certificate of compliance with Build America, Buy America Act. See Section 01 33 00, Submittal Procedures.

1.05 QUALITY ASSURANCE

- A. Regulatory Requirements: For masonry construction meet requirements of the current New Mexico Building Code and as supplemented by these Specifications.

- B. Mockups: Lay up a Sample panel for each type of masonry at the Site including reinforcing, air and water barrier, insulation, and veneer ties. Show bond pattern and method of finishing joints. Make Sample panels 8 feet high and 8 feet long, including base of wall flashing, and one masonry control joint.
 - 1. Coordinate mockup with Section 04 22 00, Concrete Unit Masonry and Section 07 19 00, Water Repellents.
 - 2. Remove mockup after acceptance of permanent masonry Work.
 - 3. Acceptable sample panel serves as a basis of color, texture, pattern, and workmanship for acceptance of the permanent construction.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection:
 - 1. Store all masonry materials off ground and protected from precipitation.
 - 2. Protect veneer materials from mud splatters and staining.

1.07 ENVIRONMENTAL REQUIREMENTS

- A. Temperature: Do not lay masonry when ambient temperature is below 32 degrees F on a rising temperature or below 40 degrees F on a falling temperature, or when there is a probability of such conditions occurring within 48 hours, unless express approval of Engineer is obtained. In such case, make special provisions for heating materials and protecting finished Work. Protect masonry against freezing for a minimum of 48 hours after being laid. Protect tops of walls from precipitation at all times. Cover with waterproof paper when rain or snow is imminent, and the Work is discontinued.
- B. Humidity: Protect masonry construction from direct exposure to wind and sun when erected in an ambient air temperature of 99 degrees F (37 degrees C) in the shade with relative humidity less than 50 percent.

PART 2 PRODUCTS

2.01 MASONRY UNITS

- A. Color, Texture, and Pattern: Match submitted Samples approved by Engineer.
- B. Concrete Masonry Veneer:
 - 1. General:
 - a. Furnish special shapes for corners, jambs, lintels, beveled units for sill openings, solid units below grade, and other areas shown or required.
 - b. Special units shall match texture of standard units.

- c. Where units are placed so end of unit is exposed, such as at a corner or at a wall opening, exposed end of that block shall have surface to match texture of sides of other units.
 - d. Furnish sound, dry, clean units free of cracks and chips.
- 2. Concrete Masonry Unit Veneer (CMUV):
 - a. ASTM C90: Medium weight.
 - b. Nominal Size: 16 inches long by 8 inches high by 4 inches thick. Furnish special shapes in sizes as shown on the Drawings.
 - c. Compressive Strength: 2,000 pounds per square inch minimum, in accordance with ASTM C90, Table 2.
 - d. Surface Texture on Interior and Concealed Exterior Surfaces: Smooth.
- 3. Textured Concrete Masonry Unit Veneer (TCMUV-1):
 - a. Same size and weight as CMUV units.
 - b. Split-face texture at exposed faces and ends.
 - c. Color of Units: See W-5 on Color Schedule on the Drawings.
- 4. Textured Concrete Masonry Unit Veneer (TCMUV-2):
 - a. Same size and weight as CMUV units.
 - b. Split-face surface with one vertical score on a 16-inch face; outside corner units with scores on face and end; scores spaced, sized, and located so they align vertically when laid in running bond.
 - c. Color of Units: See W-4 on Color Schedule on the Drawings.
- 5. Textured Concrete Masonry Unit Veneer (TCMUV-3):
 - a. Same size and weight as CMUV units.
 - b. Smooth-face texture at exposed faces.
 - c. Color of Units: See W-7 on Color Schedule on the Drawings.
- 6. Textured Concrete Masonry Unit Veneer (TCMUV-4):
 - a. Same size and weight as CMUV units.
 - b. Smooth-face surface with one vertical score on a 16-inch face; scores spaced, sized, and located so they align vertically when laid in running bond.
 - c. Color of Units: See W-6 on Color Schedule on the Drawings.

2.02 MORTAR MATERIALS

A. Mortar: ASTM C270, Type S.

- 1. If color is added, add in a consistent manner to provide final uniformity.
- 2. No antifreeze liquid, salts, or other substances are allowed to lower freezing point. No calcium chloride is allowed in mortar.

B. Mortar Color:

1. Pure, concentrated mineral, pigment specially processed for mixing in to mortar; ASTM C979.
2. Manufacturers and Products:
 - a. Davis Colors; True Tone Cement Colors.
 - b. Solomon Colors; Mortar Colors.
3. Color – Davis Colors Basis of design: Light gray, MC 89.

C. Sand: ASTM C144, in addition not less than 5 percent passes the No. 100 sieve.

D. Water: Fresh, clean, and free of deleterious acids, alkalies, chlorides, and organic materials.

2.03 MORTAR PREPARATION

- A. Place one-half the water and aggregate in operating mixer; add cement; add remaining aggregate and water and mix for at least 2 minutes. Add lime and continue mixing as long as needed to secure a uniform mass, but no less than 3 minutes after the addition of lime. Time the addition of admixture in strict accordance with manufacturer's instructions and the procedure used for adding it to the mix shall provide good dispersion.
- B. Mix mortar in machine with mixing drums clean and free of debris and dried mortar. Use mortar before the initial setting of the cement has taken place. Do not retemper mortar in which the cement has started to set.
- C. Retemper mortar boards by adding water within a basin formed with the mortar and the mortar reworked into the water. Dashing or pouring water over mortar and retempering of harsh, nonplastic mortar is not permitted.
- D. Where color tinting of mortar is required, add sufficient lime-proof color-fast mineral pigment to mortar.

2.04 MASONRY CONTROL JOINTS

- A. ASTM D1056, closed cell neoprene sponge, 3 inches wide by 3/8-inch thick.

2.05 COMPRESSIBLE PADS

- A. ASTM D1056, closed cell neoprene sponge, 3 inches wide by 1/4-inch thick, with pressure sensitive adhesive applied on one side.

2.06 THROUGH-WALL FLASHING

A. EPDM with Stainless Steel Drip Plate:

1. 40-mil-thick EPDM with manufacturer's recommended adhesive and termination bar.
2. Drip plate, Type stainless steel, ASTM A240/A240M, 3 inches wide, with factory applied adhesive for bond to EPDM.
3. Manufacturer and Product: Wire Bond; EPDM thru-wall flashing and 4165 drip edge.

2.07 VENEER ANCHORS

A. Anchors at Masonry Walls:

1. Horizontal Ladder Eye and Anchors: Two parallel No. 9 wires and perpendicular wire with eyes at 16 inches on center and mating hook or pintel veneer tie; galvanized in accordance with ASTM A153/A153M.
 - a. Manufacturers and Products:
 - 1) Hohmann and Barnard, Inc.; 270-2X with continuous wire and clip on tie.
 - 2) Wire-Bond; Series 800 Ladder Level, Eye and Hook with continuous wire and metal clip.Dovetail Slots and Anchors: 20-gauge galvanized steel anchor slots and mating anchors. Minimum 16-gauge triangular wire anchor-type of suitable length for proper embedment in masonry joints.
 - b.
 - a. Manufacturers and Products:
 - 1) Hohmann and Barnard, Inc.; 305 with 315.
 - 2) Wire-Bond; 1304 with 2102.

B. Anchors at Concrete Walls:

1. Dovetail slotted insert with dovetail anchors. 22-gauge thickness. Galvanized in accordance with ASTM A152/A153M.
2. Provide slotted insert at 16 inches maximum on center.
 - a. Manufacturers and Products:
 - 1) Hohmann and Barnard, Inc.; 305 Dovetail Slot with 315 Flexible Dovetail Tie with continuous wire and clip.
 - 2) Wire Bond; 1304 Dovetail Slot with 2102 Dovetail Triangular Tie and 3500 wire and metal clip.

2.08 CAVITY WEEPS

A. Weep Vents:

1. Honeycomb, polypropylene, 3/8-inch by size of head joint, match color of mortar.
2. Manufacturers and Products:
 - a. Hohmann and Barnard; QV Quadro Vent.
 - b. Wire-Bond; 3601 Cell Vent.

2.09 MORTAR BLOCK

- A. HDPE mesh specifically designed to trap or block mortar droppings in masonry cavity walls allowing free passage of trapped water to weep holes below; 10 inches high by thickness of wall cavity.

B. Manufacturers and Products:

1. Hohmann and Barnard; Mortar Trap.
2. Heckmann Building Products; Weep-Thru Mortar Deflector.

2.10 MASONRY ACCESSORIES AND ANCILLARY MATERIALS

- A. Water Repellent: As specified in Section 07 19 00, Water Repellent.

B. Reglets for Masonry:

1. Minimum Galvanized 26-gauge steel.
2. Prefinished Type:
 - a. Kynar 500 or Hylar 500.
 - b. Color: Match roof color.
3. Manufacturer and Product: Cheney Flashing Co.; Type B reglet and Snap Lock Cap Flashing.

- C. Felt: ASTM D226, Type I (No. 15) plain, unperforated asphalt saturated felt.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances and other specific conditions, and other conditions affecting performance of masonry veneer.
- B. Examine rough-in and built-in construction to verify actual locations of piping connections prior to installation.
- C. Do not proceed until unsatisfactory conditions have been corrected.

3.02 GENERAL INSTALLATION

- A. Provide or cut special shapes for corners, jambs, lintels, beveled units for sill openings, solid units below grade, and other areas as shown or as required. Match color and texture of standard units.
- B. Cut masonry units with motor-driven saws to provide clean, sharp, unchipped edges. Cut units as required to provide continuous pattern and to fit adjoining construction. Use full-size units without cutting where possible.
- C. Anchoring:
 - 1. Anchor all veneer types to structural CMU backing wall with ladder-eye type anchors and triangular wire-type anchors to concrete backing wall in conformance to the International Building Code.
 - 2. Maintain a space not less than 1 inch wide between masonry wall and concrete members.
 - 3. Keep space free of mortar or other rigid material to permit differential movement between backing wall and masonry.
 - 4. Attach veneer to backing with anchor ties.
 - a. Use one anchor tie for each 1.77 square feet of wall area.
 - b. Maximum Space between Adjacent Ties:
 - 1) Vertically: 16 inches.
 - 2) Horizontally: 16 inches.
 - c. Embed ties at least 2 inches in horizontal joint of veneer. Engage or swag a continuous horizontal wire into each anchor tie.
 - d. Provide additional ties at openings:
 - 1) Maximum Spacing Around Perimeter: 24 inches.
 - 2) Install within 12 inches of opening.

3.03 MASONRY VENEER WALL CONSTRUCTION—GENERAL

- A. Mortar Beds: Lay masonry with full mortar coverage on horizontal and vertical joints. Rock closures into place with head joints thrown against two adjacent units in-place. Do not pound corners or jambs to fit stretcher units after setting in-place. Where adjustment to corners or jambs must be made after mortar has started to set, remove mortar and replace with fresh mortar.
- B. Horizontal and Vertical Face Joints:
 - 1. Nominal Thickness: 3/8-inch.
 - 2. Construct uniform joints.
 - 3. Shove vertical joints tight.
 - 4. Tool joints concave in exposed surfaces when thumbprint hard using jointing tool.
 - 5. Concave tool exterior joints below grade.

6. Flush cut all joints not tooled.
 7. Fill horizontal joints between top of masonry partition and underside of concrete beams with mortar.
- C. Movement Joints: Keep clean of all mortar and debris.
- D. Masonry Control Joints:
1. Provide continuous vertical control joints in masonry as shown on the Drawings.
 2. Omit mortar from vertical joints. Place control joint material as wall is built.
- E. Through-Wall Flashing:
1. Place flashing on bed of mortar.
 2. Lap cross joints of through-wall flashing at least 2 inches.
 3. Extend flashing beyond exterior face of wall and provide drip edge.
 4. Cover flashing with mortar.
- F. Mortar Block: Install continuously in cavity space on flashing against inside face of veneer, zig-zag side up. No adhesive or fasteners required. Follow manufacturer's recommendations.
- G. Flashing: Clean surface of masonry smooth and free from projections that might puncture, gouge, or otherwise damage flashing material.
- H. Weep Vents: Provide weep vents in head joints in first course immediately above all flashing leaving head joint free and clean of mortar.
1. Maximum Spacing: 24 inches OC.
 2. Keep weep holes and area above flashing free of mortar droppings.
- I. Sealant Joints:
1. Retain sealant joints around outside perimeters of exterior doors, window frames, and other wall openings:
 - a. Uniform Depth: 3/4-inch.
 - b. Uniform Width: 1/4inch.
- J. Pointing: Cut out defective joints and holes in exposed masonry and repoint with mortar. Dry brush masonry surface after mortar has set at end of each day's Work and after final pointing.

3.04 CONCRETE MASONRY UNIT VENEER INSTALLATION

- A. General: Do not install cracked, broken, or chipped masonry units exceeding ASTM C216 allowances. Thoroughly wet masonry just before laying except in freezing weather where units are laid dry. Prewetting may also be omitted if the units at the time of laying has a rate of absorption not exceeding 0.025 ounce of water per square inch of surface after being placed in 1/8-inch of water for 1-minute.
1. Coordinate installation with backup walls, through wall flashing, and other construction. Use masonry saws to cut and fit exposed units. Lay units plumb, true to line, with level courses accurately spaced, and do not furrow bed joints.
 2. Finish horizontal run by racking back in each course; toothing not permitted. Adjust all units to final position while mortar is soft and plastic. If units are displaced after mortar has stiffened, remove, clean joints and units of mortar, and relay with fresh mortar.
 3. Bond unexposed units in wythe by lapping a minimum of 2 inches. Adjust ledger support members to keep Work level at proper elevation. Provide pressure relieving joints by placing a continuous compressible pad under ledger support members.
 4. When joining fresh masonry to set or partially set masonry:
 - a. Remove loose concrete masonry unit and mortar.
 - b. Clean and lightly wet exposed surface of set masonry prior to laying fresh masonry.
- B. Pattern: Lay masonry in running bond.

3.05 CLEANING

- A. Cleaning Agents:
1. Proprietary Acidic Cleaner: Manufacturer's standard-strength, general-purpose cleaner designed for removing mortar/grout stains, efflorescence, and other new construction stains from new masonry surfaces of type indicated below without discoloring or damaging masonry surfaces; expressly approved for intended use by manufacturer of masonry units being cleaned.
- B. Follow masonry and mortar color manufacturer's recommendations for use of cleaning agents.
- C. Application:
1. Thoroughly wet surface of masonry on which no efflorescence appears before using cleaning agent.
 2. Scrub with acceptable cleaning agent.

3. Immediately rinse with clean water.
 4. Work small sections at a time.
 5. Work from top to bottom.
 6. Protect sash, metal lintels, and other materials, which may corrode when masonry is cleaned with acid solution.
 7. Remove efflorescence in accordance with masonry manufacturer's recommendations.
- D. Leave Work area and surrounding surfaces clean and free of mortar spots, droppings, and broken masonry.

3.06 FIELD QUALITY CONTROL AND QUALITY CONTROL

- A. At least once a week while installation of masonry veneer is in progress, take mortar Samples for testing. Continue on that basis for duration of installation of masonry veneer at discretion of Engineer.
- B. Take Samples in accordance with ASTM C270.
- C. Owner-Furnished Quality Assurance, in accordance with IBC Chapter 17 requirements, is provided in Statement of Special Inspections Plan as shown on the Drawings. Contractor responsibilities and related information are included in Section 01 45 33, Special Inspection, Observation, and Testing.
- D. Contractor-Furnished Quality Control: Inspect and test as required in Section 01 45 16.13, Contractor Quality Control.

3.07 WATER REPELLENT

- A. As specified in Section 07 19 00, Water Repellent.

3.08 PROTECTION

- A. Wall Covering:
1. During erection, cover top of wall with strong waterproof membrane at end of each day or shutdown and as follows:
 - a. Cover partially completed walls when Work is not in progress.
 - b. Extend cover minimum of 24 inches down both sides.
 - c. Hold cover securely in-place.
- B. Protect sills, ledges, and offsets from mortar drippings or other damage during construction. Remove misplaced mortar immediately. Protect face materials against staining. Protect the door jambs and corners from damage during construction.

END OF SECTION