

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**Roof Replacements
Various Buildings
Higginville Habilitation Center
Higginville, Missouri
PROJECT NO.: M2315-01**

Bid Opening Date: 1:30 PM, Thursday, March 23, 2023 (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. Section 040120 – Brick Masonry Repointing
 - a. ADD new specification section. See attached.
2. Section 075423- Thermoplastic Polyolefin (TPO) Roofing
 - a. REVISE Paragraph 2.3-A.3 by adding the following acceptable manufacturers:
 - f. Mule Hide Products
 - g. GAF EverGuard

DRAWING CHANGES:

1. Sheet A-101
 - a. REVISE Keyed Note 8 as follows:
 8. TUCKPOINT ALL JOINTS ON 5'X5'X16' BRICK CHIMNEY (BOILER STACK). SEE DETAIL 5/A-502.
9. Sheet A-502
 - a. REMOVE and REPLACE Detail 5/A-502 with attached revised detail.

GENERAL COMMENTS:

1. The Pre-bid Meeting was held March 8, 2023 at 10:00 AM. The Pre-bid Meeting sign-in sheet is attached.
2. Please contact Paul Girouard, Contract Specialist, at 573-751-4797 or paul.girouard@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
3. The deadline for technical questions was Wednesday, March 15, 2023 at noon.

4. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Current Plan holders list available online at <https://www.oafmdcplanroom.com/jobs/1692/details/m2315-01-roof-replacements-various-buildings-higginsville-habilitation-center>.
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.
8. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for the alternate. Failure to do so will result in rejection of the bid.**
9. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

ATTACHMENTS:







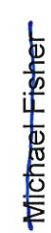
1. Pre-bid Meeting Sign-In Sheet
2. Section 040120 – Brick Masonry Repointing
3. Detail 5/A-502.

March 16, 2023

END OF ADDENDUM NO. 1

BIP

Pre-Proposal Meeting Attendance Sheet
Roof Replacements
Higginville, Missouri
Project No. M2315-01
March 8, 2023 10:00 AM

Name & Title	Company Name & Type of Contracting	Phone	E-Mail Address
 Larry Block	OAFMDC Designer	573-526-6270	larry.block@oa.mo.gov
 Sandra Walther	OAFMDC Project Manager	573-751-2283	sandra.walther@oa.mo.gov
 Don Wagner	OAFMDC Construction Administrator	417-895-5001	don.wagner@os.mo.gov
 Jeremiah Gandhi	Higginville Habilitation Center DMH Superintendent	660-584-4840	jeremiah.gandhi@dmh.mo.gov
 Miranda Warren	Higginville Habilitation Center DMH Assistant Superintendent	660-584-4833	miranda.warren@dmh.mo.gov
 Eddie Renno	Higginville Habilitation Center OAFMDC Maintenance Supervisor	660-584-4870	eddie.renno@oa.mo.gov
 Michael Fisher	OAFMDC Physical Plant Supervisor	816-512-7111	Michael.fisher2@oa.mo.gov

Pre-Proposal Meeting Attendance Sheet
Roof Replacements
Higginsville, Missouri
Project No. M2315-01
March 8, 2023 10:00 AM

Name & Title	Company Name Type of Contracting	Phone	E-Mail Address
Timmy Collins	OAVFMDC Specialized Trades Manager	816-889-2076	timmy.collins@oa.mo.gov
XAVIER PRENDES	FARHA ROOFING	816-516-6443	XAVIER@FARHAROOFLING.COM
Brett Holley	Brian Warren	816-625 5212	BrettH@warrenstonce.com
Ron Farrell	Restore Masters	816 564 2491	Ronfarrell08@gmail.com
Zack Moss	ASR	573-634-2241	zack@asrmo.com
Glenn Lauby	TIGRIS SPECIALTY	913-262-9336	glenn@tigrisspecialty.com
James Boland	The Quality Roofing Co.	816-472- 4000	James@qrk.com

Chris Hammack Elite Roofing Supply 816-400-6105 Chammack@elite Roofing Supply.com

Pre-Proposal Meeting Attendance Sheet
Roof Replacements
Higginsville, Missouri
Project No. M2315-01
March 8, 2023 10:00 AM

Name & Title	Company Name Type of Contracting	Phone	E-Mail Address
Mark Emms PRES.	WATKINS ROOFING	573-449-2957	marke@watkinsroofing.net
Matt Fifer President	Weathercraft + TRX	573-635-0141	mf@wefg.com
Drew Huttiger Estimator / Proj. Mnglr.	Huttiger Construction Roofing / Sheet Metal	816-228-5555	drewhutt@huttigerconstruction.com
Rusty Allen PM	ARSI SOVE	573-896-0222	rusty.allen@arsi-mo.com
Brandon Dorge PM	Missouri Builders	573-298-2338	bdorge@missouribuilders.net
Roy Turner PM	Kirberg	417-383-1967	roy.turner@kirberg.com
Mark Tully	OHE TOMAS ASSOCIATES	816 529 2034	SPRINGFIELD, MO

BID

Pre-Proposal Meeting Attendance Sheet
Roof Replacements
Higginsville, Missouri
Project No. M2315-01
March 8, 2023 10:00 AM

Name & Title	Company Name Type of Contracting	Phone	E-Mail Address
David Marr Hans Stutz	Delta Innovative Services Roofing & Sheet Metal	913-371-7100	dmarr@delta-services.com

BID

Pre-Proposal Meeting Attendance Sheet
Roof Replacements
Higginsville, Missouri
Project No. M2315-01
March 8, 2023 10:00 AM

Name & Title	Company Name Type of Contracting	Phone	E-Mail Address
Timmy Collins	OAFMDC Specialized Trades Manager	816-889-2076	timmy.collins@oa.mo.gov
Jocly Lahmon P.M.	GAR Construction Roofing	573-355-6172	Jocyl@GRCON.ORG
Bret Palliser Owner	GAR Construction Roofing	573-289-7401	BretP@GRCON.ORG

SECTION 040120 - BRICK MASONRY REPOINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes repointing joints with mortar.

1.3 SEQUENCING AND SCHEDULING

- A. Work Sequence: Perform brick masonry repointing work in the following sequence, which includes work specified in this and other Sections:
 1. Remove plant growth.
 2. Inspect masonry for open mortar joints and permanently or temporarily point them before cleaning to prevent the intrusion of water and other cleaning materials into the wall.
 3. Clean masonry.
 4. Rake out mortar from joints surrounding masonry to be replaced and from joints adjacent to masonry repairs along joints.
 5. Repair masonry, including replacing existing masonry with new masonry materials.
 6. Rake out mortar from joints to be repointed.
 7. Point mortar and sealant joints.
 8. After repairs and repointing have been completed and cured, perform a final cleaning to remove residues from this work.
- B. As scaffolding is removed, patch anchor holes used to attach scaffolding.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1.5 QUALITY ASSURANCE

- A. Brick Masonry Repointing Specialist Qualifications: Engage an experienced brick masonry repointing firm to perform work of this Section. Firm shall have completed work similar in material, design, and extent to that indicated for this Project with a record of successful in-service performance. Experience in only installing masonry is insufficient experience for masonry repointing work.

1. Field Supervision: Brick masonry repointing specialist firms shall maintain experienced full-time supervisors on Project site during times that brick masonry repointing work is in progress.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver packaged materials to Project site in manufacturer's original and unopened containers, labeled with manufacturer's name and type of products.
- B. Store cementitious materials on elevated platforms, under cover, and in a dry location. Do not use cementitious materials that have become damp.
- C. Store hydrated lime in manufacturer's original and unopened containers. Discard lime if containers have been damaged or have been opened for more than two days.
- D. Store sand where grading and other required characteristics can be maintained and contamination avoided.

1.7 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit repointing work to be performed according to product manufacturers' written instructions and specified requirements.
- B. Temperature Limits, General: Repoint mortar joints only when air temperature is between 40 and 90 deg F and is predicted to remain so for at least seven days after completion of the Work unless otherwise indicated.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Source Limitations: Obtain each type of material for repointing brick masonry (cement, sand, etc.) from single source with resources to provide materials of consistent quality in appearance and physical properties.

2.2 MORTAR MATERIALS

- A. Hydrated Lime: ASTM C 207, Type S.
- B. Mortar Cement: ASTM C 1329/C 1329M.
- C. Mortar Sand: ASTM C 144.
- D. Water: Potable.

2.3 MORTAR MIXES

- A. Measurement and Mixing: Measure cementitious materials and sand in a dry condition by volume or equivalent weight. Do not measure by shovel; use known measure. Mix materials in a clean, mechanical batch mixer.
 - 1. Mixing Pointing Mortar: Thoroughly mix cementitious materials and sand together before adding any water. Then mix again, adding only enough water to produce a damp, unworkable mix that retains its form when pressed into a ball. Maintain mortar in this dampened condition for 15 to 30 minutes. Add remaining water in small portions until mortar reaches desired consistency. Use mortar within one hour of final mixing; do not retemper or use partially hardened material.
- B. Do not use admixtures in mortar unless otherwise indicated.
- C. Mixes: Mix mortar materials in the following proportions:
 - 1. Pointing Mortar by Volume: ASTM C 270, Proportion Specification, **1 part portland cement, 1 part lime, and 6 parts sand.**

PART 3 - EXECUTION

3.1 PROTECTION

- A. Prevent mortar from staining face of surrounding masonry and other surfaces.
 - 1. Cover sills, ledges, and other projecting items to protect them from mortar droppings.
 - 2. Keep wall area wet below pointing work to discourage mortar from adhering.
 - 3. Immediately remove mortar splatters in contact with exposed masonry and other surfaces.

3.2 MASONRY REPOINTING, GENERAL

- A. Appearance Standard: Repointed surfaces are to have a uniform appearance as viewed from **20 feet** away by Architect.

3.3 REPOINTING MASONRY

- A. Rake out and repoint joints to the following extent:
 - 1. All joints in areas indicated.
 - 2. Joints at locations of the following defects:
 - a. Holes and missing mortar.
 - b. Cracks that can be penetrated 1/4 inch or more by a knife blade 0.027 inch thick.
- B. Rake out joints as follows:

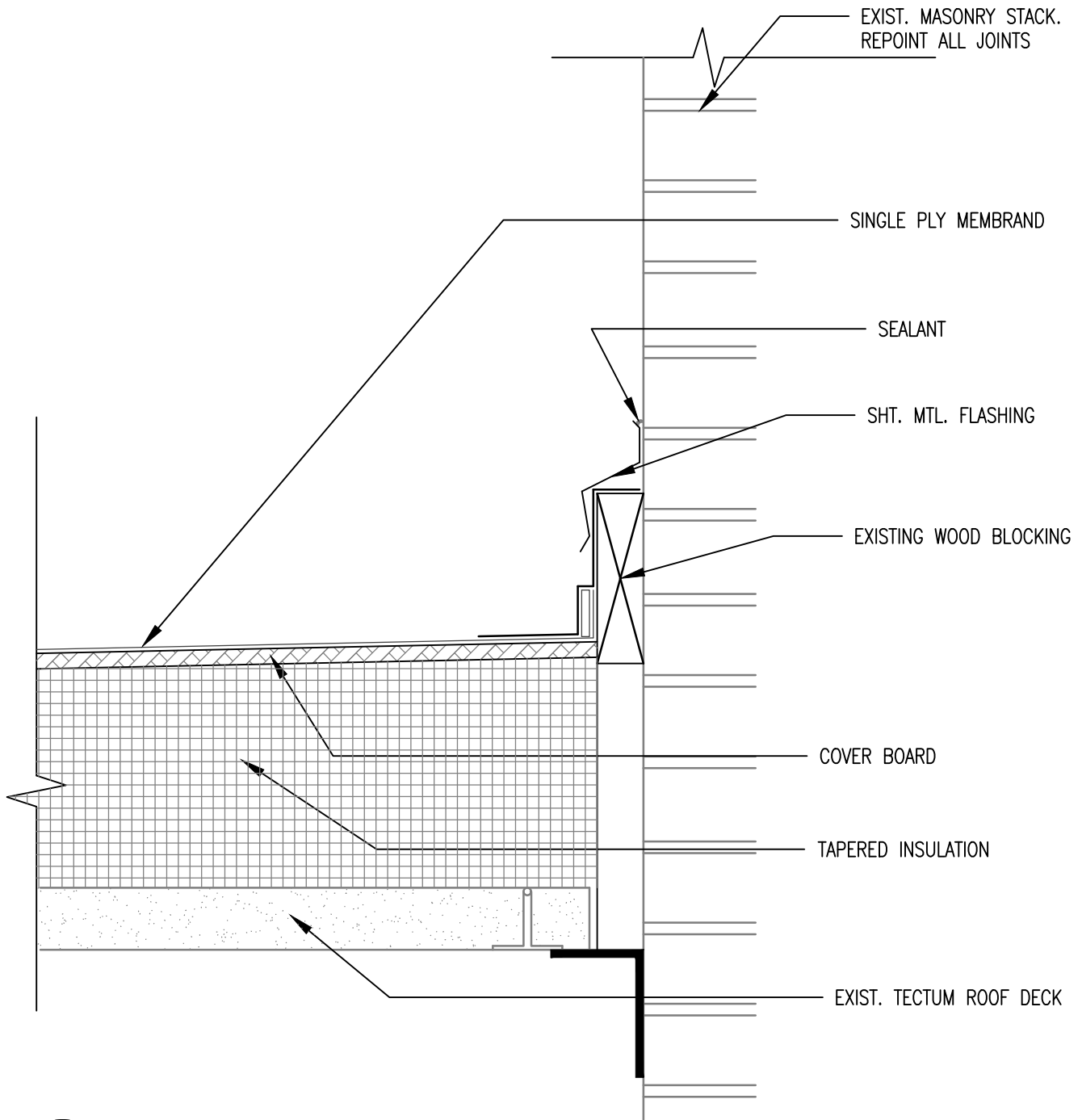
1. Remove mortar from joints to depth of **joint width plus 1/8 inch**, but not less than **1/2 inch** or not less than that required to expose sound, unweathered mortar. Do not remove unsound mortar more than **2 inches** deep; consult Architect for direction.
 2. Remove mortar from masonry surfaces within raked-out joints to provide reveals with square backs and to expose masonry for contact with pointing mortar. Brush, vacuum, or flush joints to remove dirt and loose debris.
 3. Do not spall edges of masonry units or widen joints. Replace or patch damaged masonry units as directed by Architect.
- C. Notify Architect of unforeseen detrimental conditions including voids in mortar joints, cracks, loose masonry units, rotted wood, rusted metal, and other deteriorated items.
- D. Pointing with Mortar:
1. Rinse joint surfaces with water to remove dust and mortar particles. Time rinsing application so, at time of pointing, joint surfaces are damp but free of standing water. If rinse water dries, dampen joint surfaces before pointing.
 2. Apply pointing mortar first to areas where existing mortar was removed to depths greater than surrounding areas. Apply in layers not greater than **3/8 inch** until a uniform depth is formed. Fully compact each layer, and allow it to become thumbprint hard before applying next layer.
 3. After deep areas have been filled to same depth as remaining joints, point joints by placing mortar in layers not greater than **3/8 inch**. Fully compact each layer and allow to become thumbprint hard before applying next layer. Where existing masonry units have worn or rounded edges, slightly recess finished mortar surface below face of masonry to avoid widened joint faces. Take care not to spread mortar beyond joint edges onto exposed masonry surfaces or to featheredge the mortar.
 4. When mortar is thumbprint hard, tool joints to match original appearance of joints as demonstrated in approved mockup. Remove excess mortar from edge of joint by brushing.
 5. Hairline cracking within mortar or mortar separation at edge of a joint is unacceptable. Completely remove such mortar and repoint.

3.4 FINAL CLEANING

- A. After mortar has fully hardened, thoroughly clean exposed masonry surfaces of excess mortar and foreign matter; use wood scrapers, stiff-nylon or -fiber brushes, and clean water applied by low-pressure spray.
1. Do not use metal scrapers or brushes.
 2. Do not use acidic or alkaline cleaners.
- B. Clean mortar and debris from roof; remove debris from gutters and downspouts. Rinse off roof and flush gutters and downspouts.
- C. Remove masking materials, leaving no residues that could trap dirt.

END OF SECTION 040120.64

ADDENDUM NO. 1
ROOF REPLACEMENTS
VARIOUS BUILDINGS
HIGGINSVILLE HABILITATION CENTER
PROJECT NO. M22315-01
SHEET A-502, DETAIL 5



5 MASONRY STACK EDUCATION BLDG.
SCALE: 1 1/2" = 1'-0"