

<u>KEY PLAN</u>

PROJECT OVERVIEW

THE CITY OF RAVENSWOOD WISHES TO PERFORM MASONRY REPAIRS TO THE CHIMNEY ON THE MUSEUM AT WASHINGTON'S RIVERFRONT PARK.

INDEX OF DRAWINGS

<u>GENERAL:</u> COVER COVER SHEET

STRUCTURAL:

S000 STRUCTURAL & MASONRY REPAIR NOTES/SPECIFICATION STRUCTURAL & MASONRY REPAIR NOTES/SPECIFICATION MUSEUM CHIMNEY PLAN MUSEUM CHIMNEY ELEVATION MUSEUM CHIMNEY ELEVATIONS S001 S100 S200 S201

MUSEUM CHIMNEY REPAIR

CITY OF RAVENSWOOD LOCK HOUSE RD., RAVENSWOOD,WV





<u>STRUCTURAL</u> REGISTERED PE:



DATE



Architects • Engineers • Surveyors

11283 Emerson Avenue Parkersburg, West Virginia 26104 Fax: (304) 464-4428

Phone: (304) 464-5305

ISSUED FOR BID MAY 20, 2022 PROJECT 2211076

1. BRICK MASONRY REPAIRS <u>GENERAL NOTES</u>: 1. CONTRACT WORK SHALL BE PERFORMED AS PRESCRIBED BY THE PROJECT DOCUMENTS AND OTHER REFERENCED DOCUMENTS. THE CONTENTS AND INTENT OF REFERENCED DOCUMENTS PUBLISHED BY GOVERNMENT ORGANIZATIONS AND PROFESSIONAL SOCIETIES SHALL BE CONSTRUED, IN WHOLE, UNLESS NOTED OTHERWISE, AS PART OF THE PROJECT DOCUMENTS. REFERENCED DOCUMENT EDITIONS SHALL BE THE LATEST OR AS NOTED. 2. PROJECT DOCUMENTS ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL PERFORM MEASUREMENTS PRIOR TO BEGINNING WORK TO ASSURE THE CHARACTERISTICS OF THE FACILITY ARE MAINTAINED. THE CONTRACTOR SHALL MONITOR MEASUREMENTS DURING THE REPAIR WORK. THE CONTRACTOR SHALL PERFORM MEASUREMENTS AFTER ALL REPAIR WORK IS COMPLETED. THE CONTRACTOR SHALL RECORD ALL MEASUREMENTS AND PROVIDE AS PART OF THE RECORD DOCUMENTS PRIOR TO CONTRACT CLOSE-OUT. 3. DURING WORK THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE. THE EXPERTISE OF THE CONTRACTOR WILL DETERMINE MEANS & METHODS FOR STRUCTURE STABILITY DURING WORK. 4. SEE COVER SHEET FOR DRAWING INDEX. 5. REFER TO SPECIFICATION DIVISIONS 00 & 01 FOR CONTRACT CONDITIONS AND REQUIREMENTS. THE TECHNICAL SPECIFICATIONS PROVIDED ARE COMPLIMENTARY TO DIVISIONS 00 & 01. SECTION 04 01 00 MAINTENANCE OF MASONRY PART 1 GENERAL 1.1 SUMMARY A. Section includes water cleaning of existing masonry surfaces, replacement of brick masonry units and pointing mortar joints. B. Related Sections: 1. Section 04 05 03 - Masonry Mortaring and Grouting. 1.2 REFERENCES A. The Brick INdustry Assoication: 1. BIA Technical Note #7 2. BIA Technical Note #18 3. BIA Technical Note #18A 4. BIA Technical Note #46 B. ASTM International: 1. ASTM E2260; Standard Guide for Repointing Historic Masonry. 1.3 SUBMITTALS A. Section 01 30 00 - Administrative Requirements: Submittal procedures. B. Product Data: Submit data on mortar. C. Samples: Submit one sample of each type brick units to illustrate color, texture, and extremes of color range to match existing. 1.4 QUALITY ASSURANCE A. Perform Work in accordance with TMS MSJC Code and TMS MSJC Specification. B. Maintain one copy of each document on site. 1.5 QUALIFICATIONS A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience. B. Installer: Company specializing in performing Work of this section with minimum three years documented experience. 1.6 MOCKUP A. Mockup requirements 1. Restore and repoint a section of masonry wall to be repaired, include mortar and accessories. 2. Locate as directed by Owner's Representative. 3. Acceptable section of repair illustrating results of restoration will become standard for work of this section. 1.7 PRE-INSTALLATION MEETINGS A. Section 01 30 00 – Administrative Requirements: Progress meetings. A.A. Prior to the commencement of work review with Owner's Representative the means and methods proposed. 1.8 DELIVERY, STORAGE, AND HANDLING A. Product Requirements: Product storage and handling requirements are noted below. 1. Deliver masonry neatly stacked and tied on pallets. Store clear of ground with adequate waterproof covering. 2. Store all other materials in manufacturer's packaging. 3. Store mortar ingredients in manufacturer's packaging, or when delivered loose, with adequate weatherproof covering. 4. Coordinate storage of materials with Owner's Representative in accordance with Section 01 50 00.. 1.9 ENVIRONMENTAL REQUIREMENTS A. Hot and Cold Weather Requirements: TMS MSJC Specification. 1.10 SCHEDULING A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions. B. Provide weekly updates and coordinate work with other activities.

PART 2 PRODUCTS

2.1 MASONRY RESTORATION AND CLEANING

and industry standards.

3.1 EXAMINATION A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions. B. Verify surfaces to be restored are ready for work of this section. **3.2 PREPARATION** A. Protect elements surrounding work of this section from damage or disfiguration. B. Immediately remove stains, efflorescence, or other excess resulting from work of this section. C. Protect roof membrane and flashings from damage. Lay minimum 1/2 inch plywood on roof surfaces over full extent of work area and traffic routes. D. Provide waterproof dams to divert flowing water to exterior drains as required. E. Carefully remove and store fixtures, fittings, finishing hardware, accessories.

F. Close off, seal, mask, and board up areas, landscaping, materials, and surfaces not receiving work of this section to protect from damage. Refer to section 01 50 00 Temporary Facilities & Controls for requirements.

dumpster.

3.3 INSTALLATION

PART 3 EXECUTION

A. Rebuilding: 1. Cut out damaged and deteriorated masonry with care in manner to prevent damage to adjacent remaining materials. 2. Shore and Support structure in advance of cutting out units to maintain stability of remaining materials as required.

solid bearing for new work.

4. Build in new and reclaimed masonry units following procedures for new work. 5. Mortar Mix: Colored and proportioned to match existing work. As specified in Section 04 05 03.

6. Ensure anchors ties reinforcing flashings are correctly located and built in. 7. Install built in masonry work to match and align with existing, with joints and coursing true and level, faces plumb and in line. Build in openings, accessories

and fittings. B. Repointina:

	ponnening.		
•	Conditions	requiring	repoir

- a. Mortar erosion exceeding ¼".
- b. Crumbling mortar. c. Mortar with voids.
- d. Hairline cracks in the mortar.
- 2. Repointing details:
- a. Ensure new bedding and pointing mortar mix does not have compressive strength exceeding existing mortar or masonry materials. Excess pressure when packing repointing mortar can cause problems. The resulting mortar strength can exceed compressive strength of masonry units and cause spalling during weather cycling later. This can easily occur with enthusiastic trades persons trying to do a good job. Similarly, tuck pointing mortar should not be denser than original mortar
- 3. Cut out loose or disintegrated mortar in joints to minimum 1/2 inch depth or until sound mortar is reached.
- 4. Do not use power tools.

5. Do not damage masonry units.

water jet and/or air jet.

7. Pre-moisten joint and apply mortar specified in Section 04 05 03. Pack tightly in maximum 1/4 inch layers. Form smooth, compact concave joint to

- match existing.
- 8. Moist cure for 72 hours.

3.4 CLEANING

- droppings. C. Clean surrounding surfaces.

PART 1 GENERAL

1.1 SUMMARY A. Section includes mortar and grout for masonry. B. Related Sections:

1. Section 04 01 00 - Maintenance of Masonry: Bedding and pointing mortar for masonry restoration work. 1.2 REFERENCES A. ASTM International: 1. ASTM C5 - Standard Specification for Quicklime for Structural Purposes.

2. ASTM C91 - Standard Specification for Masonry Cement. 3. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete. 4. ASTM C143/C143M - Standard Test Method for Slump of Hydraulic Cement Concrete. 5. ASTM C144 — Standard Specification for Aggregate for Masonry Mortar.

6. ASTM C150 - Standard Specification for Portland Cement. 7. ASTM C199 - Standard Test Method for Pier Test for Refractory Mortars.

8. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes.

9. ASTM C270 - Standard Specification for Mortar for Unit Masonry.

10. ASTM C387 - Standard Specification for Packaged, Dry, Combined Materials for Mortar and Concrete.

11. ASTM C404 - Standard Specification for Aggregates for Masonry Grout.

SCOPE OF MASONRY REPAIR SUMMARY

A. Furnish materials in accordance with the Washington State Community College

2.2 COMPONENTS

A. Mortar Materials: Conform to requirements of Section 04 05 03 B. Clay Brick: Conform to requirements of ASTM C216.

G. Construct weatherproof partitions to close off occupied areas. H. All demolished material to be removed from site into General Contractor's

3. Cut away loose or unsound adjoining masonry and mortar to provide firm and

6. When cutting is complete, remove dust and loose material by brushing, with

A. Section 01 70 00 - Execution and Closeout Requirements: Final cleaning. B. As work proceeds and on completion, remove excess mortar, smears, and

END OF SECTION

SECTION 04 05 03 MASONRY MORTARING AND GROUTING

12. ASTM C476 - Standard Specification for Grout for Masonry.

13. ASTM C595 - Standard Specification for Blended Hydraulic Cements.

14. ASTM C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry.

15. ASTM C1019 - Standard Test Method for Sampling and Testing Grout. 16. ASTM C1142 - Standard Specification for Extended Life Mortar for Unit Masonry.

17. ASTM C1314 - Standard Test Method for Constructing and Testing Masonry Prisms Used to Determine Compliance with Specified Compressive Strength of Masonry.

18. ASTM C1329 - Standard Specification for Mortar Cement.

19. ASTM C1357 - Standard Test Method for Evaluating Masonry Bond Strength.

B. The Masonry Society:

1. TMS MSJC - Building Code for Masonry Structures (ACI 530/ASCE 5/TMS 402), Specification for Masonry Structures (ACI 530.1/ASCE 6/TMS 602) and Commentaries.

1.3 SUBMITTALS

- A. Section 01 30 00 Submittal Procedures: Submittal requirements.
- B. Samples: Submit samples of each type mortar, illustrating mortar color and color range.
- C. Design Data: Submit design mix when Property specification of ASTM C270 is to be used, required environmental conditions, and admixture limitations.

D. Test Reports:

1. Submit reports on mortar indicating conformance of mortar to property requirements of ASTM C270 or mortar to requirements of ASTM C1142; component mortar materials to requirements of ASTM C270 and test and evaluation reports to ASTM C780 for aggregate ratio and water content, air content, consistency and compressive strength.

2. Submit reports on grout indicating conformance of grout to property requirements of ASTM C476, component grout materials to requirements of ASTM C476 and test and evaluation reports to ASTM C1019.

E. Manufacturer's Installation Instructions: Submit manufacturer's installation instructions.

F. Manufacturer's Certificate: Certify products meet or exceed specified requirements. 1.4 QUALITY ASSURANCE

- A. Perform Work in accordance with TMS MSJC Code and TMS MSJC Specification.
- B. Maintain one copy of each document on site.
- 1.5 ENVIRONMENTAL REQUIREMENTS
- A. Hot and Cold Weather Requirements: TMS MSJC Specification.
- PART 2 PRODUCTS
- 2.1 MORTAR AND MASONRY GROUT
- A. Manufacturers:
 - 1. Blue Circle Cement.
 - 2. Citadel Cement.
 - 3. CTS Cement Manufacturing Co.
 - 4. Lehigh Portland Cement.
 - 5. Medusa Cement Co.
 - 6. The Quikrete Companies.
 - 7. Solomon Colors.
 - 8. Southern Grouts and Mortars.
- 9. Substitutions: Section 01 60 00 Product Requirements.
- 2.2 COMPONENTS
- A. Portland Cement: ASTM C150, Type I, gray color.
- B. Mortar Aggregate: ASTM C144, standard masonry type.
- C. Hydrated Lime: ASTM C207, Type S.
- D. Grout Aggregate: ASTM C404, fine and coarse.
- E. Water: Clean and potable. F. Admixtures:

1. The contractor shall submit details and experience with admixtures used in repointing work similar in nature to the proposed work.

2. Plasticizers, accelerators, retardants, water repellent agents, bonding agents, or other admixtures are not recommended for mortar unless specifically required.

3. When admixtures are necessary, consult manufacturers and evaluate available products. When calcium chloride is required as an accelerator, use with caution due to undesirable side effects, including corrosion of joint reinforcement, metal door bucks, metal ties, anchors in masonry, and on some types of wall finishes. Excessive salts contribute to efflorescence and masonry spalling. Calcium chloride is not recommended when metal is present in masonry. G. Calcium chloride is not permitted.

- 2.3 MIXES A. Mortar Mixes:

 - 1. Repointing Mortar:
 - a. The contractor shall submit the proposed mortar mix design for review and approval. Contractor expertise is required to evaluate the compressive strength of the existing mortar.
 - b. A Type K using 1 part Portland, 4 parts Hydrated Lime and 15 parts
 - sand is the suggested mortar mix. c. The mortar shall have compressive strength properties similar to the existing mortar.
 - B. Mortar Mixing:

1. Thoroughly mix mortar ingredients in accordance with ASTM C270 in quantities needed for immediate use.

- 2. Achieve uniformly damp sand immediately before mixing process.
- 3. Add mortar color and admixtures to achieve uniformity of mix and coloration. 4. Re-temper only within two hours of mixing.
- C. Grout Mixes:

1. Grout for Non-Structural Masonry: 2,000 psi strength at 28 days; 8-11

inches slump; mixed in accordance with ASTM C476 Fine or Coarse grout. 2. Grout for Structural Masonry: 2,000 psi strength at 28 days; 8-11 inches slump; mixed in accordance with ASTM C476 Fine or Coarse grout.

3. Application:

a.	Coarse	Grout:	For	grouting	spaces	with	minimum	4	inches	dimension	ir
	every c	direction	۱.								

- b. Fine Grout: For grouting other spaces.
- D. Grout Mixing:
- 1. Mix grout in accordance with ASTM C94/C94M, modified to use ingredients complying with ASTM C476.
- 2. Alternately: Thoroughly mix grout ingredients in quantities needed for immediate use in accordance with ASTM C476.
- 3. Add admixtures; mix uniformly.
- PART 3 EXECUTION
- **3.1 EXAMINATION**
- A. Section 01 30 00 Administrative Requirements: Coordination and project conditions.
- B. Request inspection of spaces to be grouted.
- 3.2 INSTALLATION
- A. Install mortar in accordance with Section 04 01 00.

3.3 FIELD QUALITY CONTROL

- A. 01 70 00 Execution and Closeout Requirements: Field inspecting, testing, adjusting, and balancing.
- B. Testing of Mortar Mix: In accordance with ASTM C780 for agaregate ratio and water content, air content, consistency compressive strength.
- C. Testing of Grout Mix: In accordance with ASTM C1019 for compressive strength and in accordance with ASTM C143/C143M for slump.

END OF SECTION

SECTION 07 92 00 JOINT SEALANTS

PART 1 GENERAL

- 1.01 SECTION INCLUDES
- A. Nonsag gunnable joint sealants

B. Joint backings and accessories. 1.02 REFERENCE STANDARDS

- A. ASTM C661 Standard Test Method for Indentation Hardness of
- Elastomeric-Type Sealants by Means of a Durometer; 2015. B. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.
- C. ASTM C1193 Standard Guide for Use of Joint Sealants; 2016.
- D. ASTM C1248 Standard Test Method for Staining of Porous Substrate by Joint Sealants; 2008 (Reapproved 2012).
- E. SCAQMD 1168 Adhesive and Sealant Applications; 1989 (Amended 2017). 1.03 SUBMITTALS
- A. See Section 01 30 00 Administrative Requirements, for submittal procedures. B. Product Data for Sealants: Submit manufacturer's technical data sheets for
- each product to be used, that includes the following. 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
- 2. List of backing materials approved for use with the specific product.
- 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
- 4. Substrates the product should not be used on.

5. Sample product warranty. 1.04 QUALITY ASSURANCE

- A. Maintain one copy of each referenced document covering installation requirements on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- C. Installer Qualifications: Company specializing in performing the work of this
- section and with at least three years of documented experience.

1.05 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealants and accessories that fail to achieve watertight seal, exhibit loss of adhesion or cohesion, or do not cure. PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Non-Sag Sealants: Permits application in joints on vertical surfaces without sagging or slumping.

- 1. Dow Chemical Company; 790 Silicone Building Sealant:
- consumer.dow.com/en-us/industry/ind-building-construction.html/#sle.
- 2. Master Builders Solutions by BASF; MasterSeal NP-1: www.master-builders-solutions.basf.us/en-us/#sle.
- 3. W.R. Meadows, Inc; POURTHANE NS: www.wrmeadows.com.
- 4. Substitutions: See Section 01 60 00 Product Requirements.

SEE SHEET SOO1 FOR CONTINUATION OF SECTION

DICVEDINIC	ASSOCIATES		s/20/22 Architects • Engineers • Surveyors	Date 11283 Emerson Avenue Phone: (304) 464-5305 Parkersburg, West Virginia 26104 Fax: (304) 464-4428					
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SECTION 07 92 00

JOINT SEALANTS-CONTINUED FROM SOOO

2.02 JOINT SEALANT APPLICATIONS

- A. Scope: 1. Exterior Joints: Seal open joints, whether or not the joint is indicated on the drawings, unless specifically indicated not to be sealed. Exterior joints to be sealed include, but are not limited to, the following items.
 - a. Wall expansion and control joints.
 - b. Joints between different exposed materials.
 - 2. Do not seal the following types of joints. a. Intentional weep holes in masonry.

2.03 JOINT SEALANTS – GENERAL

- A. Sealants and Primers: Provide products having lower volatile organic compound (VOC) content than indicated in SCAQMD 1168. B. Colors: As indicated on the drawings.

2.04 NONSAG JOINT SEALANTS

- A. Non-Staining Silicone Sealant: ASTM C920, Grade NS, Uses M and A; not expected to withstand continuous water immersion or traffic.
 - 1. Movement Capability: +/- 35%, minimum.
 - 2. Non-Staining To Porous Stone: Non-staining to light-colored natural stone when tested in accordance with ASTM C1248.
 - 3. Dirt Pick-Up: Reduced dirt pick-up compared to other silicone sealants.
 - 4. Hardness Range: 25 to 30, Shore A, when tested in accordance with <u>ASTM C661</u>.
 - 5. Color: To be selected by Architect from manufacturer's standard range. 6. Service Temperature Range: Minus 65 to 180 degrees F.

2.05 ACCESSORIES

- A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
- B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of
- sealant
- B. Clean joints, and prime as necessary, in accordance with manufacturer's
- instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM
- C1193. D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

- A. Perform work in accordance with sealant manufacturer's requirements for
- preparation of surfaces and material installation instructions. B. Perform installation in accordance with ASTM C1193.
- C. Install bond breaker backing tape where backer rod cannot be used.
- D. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- E. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- F. Non-sag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

3.04 FIELD QUALITY CONTROL

A. Remove and replace failed portions of sealants using same materials and procedures as indicated for original installation.

3.05 POST-OCCUPANCY

A. Post-Occupancy Inspection: Perform visual inspection of entire length of project sealant joints at a time that joints have opened to their greatest width; i.e. at low temperature in thermal cycle. Report failures immediately and repair.

END OF SECTION

SECTION 07 19 23 MASONRY SEALER

PART 1 GENERAL

1.01 SECTION INCLUDES

Water-based silane/siloxane water-repellent sealer for brick wall masonry as scheduled.

1.02 REFERENCE STANDARDS

- A. ASTM D1653 Standard Test Methods for Water Vapor Transmission of Organic Coating Films; 2013.
- B. ASTM D3278 Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus; 2011. C. ASTM E514 - Standard Test Method for Water Penetration and Leakage
- Through Masonry; 2014.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures. B. Product Data for Masonry Sealer: Submit manufacturer's technical data sheets
 - for each product to be used, that includes the following. 1. Physical characteristics, including movement capability, VOC content,
 - hardness, cure time, and color availability. 2. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
 - 3. Substrates the product should not be used on.
 - 4. Sample product warranty.

1.04 QUALITY ASSURANCE

- requirements on site.
- experience.
- specified products. 2. Company shall be ISO 9001:2000 Certified
- D. Field Sample:

 - instructions.

 - Project.

 - approved by Architect.
 - appearance.

1.05 WARRANTY

- requirements.
 - Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- from the following manufacturers:
- 2. Rust-Oleum Brands: Okon S-20

2.02 MASONRY SEALER APPLICATIONS

- A. Scope: 1. Exterior Surfaces:

 - application.
- to masonry sealer applications.
- 2.03 MASONRY SEALERS GENERAL
- B. Colors: As indicated on the drawings.

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

3.02 EXAMINATION

3.03 PREPARATION

3.04 APPLICATION

3.05 CLEAN UP

A. Site Verification of Condition:

A. Surface Preparation:

before drying.

system.

corrected.

application.

A. Maintain one copy of each referenced document covering installation

Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented

1. Company with minimum 15 years of experience in manufacturing of

Installer Qualifications: Company specializing in performing the work of this section and with at least three years of documented experience.

1. Install at Project site or pre-selected area of building an area for field sample, as directed by Architect.

a. Provide mock-up of at least 25 square feet (2.3 m²) to include surface preparation, sealant joint, and juncture details and allow for evaluation of repellent performance and finish. b. Conduct RILEM test on cured field sample. Allow product to fully cure 5 to 7 days before testing. Adjust application until required

repellent performance is achieved. c. Apply material in accordance with manufacturer's written application

2. Manufacturer's representative or designated representative will review technical aspects; surface preparation, application, and workmanship. 3. Field sample will be standard for judging workmanship on remainder of

4. Maintain field sample during construction for workmanship comparison. 5. Do not alter, move, or destroy field sample until Work is completed and 6. Obtain Architect's written approval of field sample before start of material application, including approval of aesthetics, color, texture, and

A. See Section 01 78 00 - Closeout Submittals, for additional warranty

B. Correct defective work within a five year period after Date of Substantial

A. Masonry Sealers: Subject to compliance with requirements, provide products 1. BASF Corporation: MasterProtect H 177

3. Applied Technologies, LLC: A-Tech Masonry & Brick Sealer 4. Substitutions: See Section 01 60 00 - Product Requirements.

a. Prepare all masonry surfaces in areas shown on project documents. b. Allow brick masonry repairs to properly cure prior to sealer 2. Do not apply to doors, windows, louvers, etc. Protect these areas prior

A. Sealants and Primers: Provide products having lower volatile organic compound (VOC) content than indicated in SCAQMD 1168.

A. Comply with the most current written installation instructions and recommendations of the waterproofing manufacturer.

1. Verify that conditions are acceptable for application of the waterproofing

2. Do not proceed with the application until unacceptable conditions are

a. Substrate must not have rain for 24 hours prior to application b. Substrate must not have rain for 24 hours after application c. Site temperatures must be above 400F during and after

1. Ensure that surfaces to be coated are structurally sound and free of moisture, dust, loose materials, frost, loose mortar or any materials or obstructions that would be detrimental to the penetration of the sealer.

A. Stir before use. Do not dilute. Do not apply in high winds. B. Protect glass and metal from coverage. Wash off with soap and water. 1. Vertical Application: Spray, brush or roll sealer onto substrate starting at

bottom of area. Maintain 6-8" run down of sealer. Protect coated areas for 24 hours from rain. 2. Horizontal Application: Spray, brush or roll sealer onto substrate.

Maintain even coating and spread out any ponding that may occur prior to curing. Protect coated areas for 24 hours from rain

A. Clean any over application of sealer off glass and metal with soap and water

END OF SECTION

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PART 3 EXECUTION











PLAN SCALE: 1/2"=1'-0"

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GENERAL NOTES:

A. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.

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- <u>CODED NOTE:</u>
- 1. NEW BRICK MASONRY SHALL BE BY THE BELDEN BRICK COMPANY, MODULAR 461-463 SM, 20-17D JS.
- 2. ALL STONE SHALL BE CAREFULLY REMOVED & SAVED DURING DEMO WORK. LARGE PIECES OF STONE SHALL BE RECONNECTED USING PINS & BONSTORE ANCHOR ADHESIVE, BY BONSTONE MATERIALS CORPORATION, C APPROVED EQUAL. ONCE RECONNECTED, THE CRACK SHALL BE REPAIRED USING CATHEDRAL STONE PRODUCTS OR APPROVED EQUAL.
- 3. REMOVE AND REPAIR ROOFING AND FLASHING MATERIALS AS REQUIRED. / ROOFING MATERIALS SHALL MATCH EXISTING. NEW FLASHING SHALL BE 160Z. COPPER FLASHING.

	PICKFRIN	ALCOS A	VIDDAAV	Arthitects . Funineers .		11283 Emerson Avenue Phone Parkersburg, West Virginia 26104 Fa		
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GENERAL NOTES REPAIRS.	DICKFRING	ASSOCIATES	Architects · Engineers · Surveyors	11283 Emerson Avenue Phone: (304) 464-5305 Parkersburg, West Virginia 26104 Fax: (304) 464-4428
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