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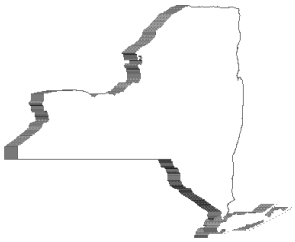

ADDENDUM NO. 3 TO PROJECT NO. 44309

CONSTRUCTION WORK
REPAIR EXTERIOR MASONRY SURFACE, HOUSING & GYM
BUILDING NO. 2
MORIAH CORRECTIONAL FACILITY
COUNTY ROUTE 7
P.O. BOX 999
MINEVILLE, NY

March 22, 2012

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1. SECTION 071613 – CEMENTITIOUS WATERPROOFING: Discard the section bound in the Project Manual.

2. SECTION 071400 – LIQUID APPLIED WATERPROOFING SYSTEM: Add the attached Section (pages 071400-1 through 071400-4) to the Project Manual.

DRAWINGS

3. Drawing S-101:
   a. East Elevation: In four separate notes, replace “Cementitious” with “Elastomeric”.

   b. West Elevation: In three separate notes, replace “Cementitious” with “Elastomeric”.

   c. North and South Elevations: In three separate notes total, replace “Cementitious” with “Elastomeric”.

4. Drawing S-101:
   a. Drawing Notes 1 & 2: Replace “Cementitious” with “Elastomeric”.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design

SECTION 071400

LIQUID APPLIED WATERPROOFING SYSTEM

PART 1 GENERAL

1.01 SUBMITTALS

A. Product Data: Catalog sheets, specifications, and installation instructions for each material specified.
   1. Include waterproofing manufacturer's recommended details for flashings, joint treatment, and required protection.

B. Quality Control Submittals
   1. Certifications: Submit a letter certifying that the membrane material meets the requirements listed in the specifications.
   2. Installers Qualifications:
      a. Submit a letter certifying that the applicator has been actively installing waterproofing and/or roofing systems for the past 3 years.
      b. Submit the names and addresses of 5 previous waterproofing and/or roofing projects. Include the type and size of each project, the waterproofing and/or roofing manufacturer's name, and the name and telephone number of a contact person at the project location.
      c. Submit a letter certifying that the supervisor or foreman and the workers applying the waterproofing materials have at least 3 years experience in the application of waterproofing and/or roofing materials.

1.02 QUALITY ASSURANCE

A. Applicator's Qualifications:
   1. The waterproofing applicator must have been actively installing waterproofing for the past 2 years.
   2. The waterproofing applicator must have previously installed and completed a minimum of 5 waterproofing projects of comparable scope and complexity to the Work of this Section.
   3. The person supervising the Work of this Section and the workers applying the waterproofing materials shall have had at least 2 years of experience in the application of waterproofing and/or roofing materials.

B. Pre-Installation Conference: Before the membrane Work is scheduled to commence, a conference will be called by the Director's Representative at the Site for the purpose of reviewing the Drawings and Specifications and resolving all questions. The conference shall be attended by the Contractor and the approved applicator.

C. Provide all necessary instruments to measure wet film and dry film thicknesses as specified in this Section.

1.03 DELIVERY, STORAGE, AND HANDLING

A. Deliver products in manufacturer's original containers, with seals and labels intact.

B. Store materials off ground, in enclosed space, protected from weather and out of direct rays of sun.

C. Maintain manufacturer's recommended storage temperature.

1.04 PROJECT CONDITIONS

A. Environmental Requirements:
   1. Do not mix or apply waterproofing materials when air or deck temperatures are less than 40 degrees F or more than 100 degrees F, unless otherwise instructed in writing by the manufacturer.
   2. Do not spray waterproofing materials during winds over 10 mph unless otherwise approved in writing by the Director's Representative.

PART 2 PRODUCTS

2.01 MATERIALS

A. Membrane Material: Liquid elastomeric (synthetic) rubber material, one or two part, compounded to self-cure into a flexible seamless waterproofing membrane and formulated to meet the following requirements:
   1. Solids Content: 62 percent minimum by weight.
   2. Adhesive Property: Self-bonding to the specified substrate.
   3. Viscosity: Specifically compounded for the application method intended and the slopes of the substrate encountered at the site.
   4. Compatible with existing substrate.
   5. Physical Properties of Cured Membrane:
      a. Resistance to Wind Driven Rain): No moisture penetrates to substrate; TT-C-555B, Para. 4.4.7.
      b. Elongation (Min. Ultimate): >300 percent; ASTM D 2370.
      c. Low Temperature Flexibility: Passes 1/8” mandrel bend; ASTM D 522, @10 degrees F.
      d. Water Vapor Permeance: 30 perms; ASTM D 1653.
      e. Service Temperature (Min. Range): -40 degrees F to 175 degrees F.
      f. Heat Aging: No measurable effects after 168 hours at 158 degrees F.; ASTM D 573.
      g. Texture: Course.

B. Primer: As recommended by the manufacturer of the elastomeric membrane for the substrate encountered at the site.

C. Static Joint and Crack Filler: Use materials recommended by the manufacturer of the elastomeric membrane.

D. Expansion Joint Sealant: Use type recommended by the manufacturer of the elastomeric membrane.
   1. Type 1 Sealant, any of the following generic types:
      a. One-part, non-sag silicone or polyurethane sealant: Bostik Chem-Calk 900, Bostik Chem-Calk 915, Bostik Chem-Calk 916 Textured, Bostik Chem-Calk 2020, Pecora Dynatrol I, Sika Sikaflex 1a, Sonneborn Sonolastic NP I, or Tremco DyMonic (not SWRI), Dow Corning Contractors Weatherproofing Sealant (CWS), Dow Corning Concrete Sealant (CCS), Pecora 895.

E. Bond Breaker Tape: Polyethylene or other plastic tape as recommended by manufacturer of elastomeric membrane.

PART 3 EXECUTION

3.01 PREPARATION

A. Remove all debris, dirt, dust, and other substances that are detrimental to the application of materials specified in this Section.

B. Patch all areas of the existing substrate that have been damaged by removals. Remove loose materials and fill voids to obtain a reasonably smooth surface for proper bonding of the waterproofing materials. Use patching materials recommended by the elastomeric membrane manufacturer.

C. Follow the written instructions of the elastomeric membrane manufacturer; unless otherwise specified herein.
   1. Prime all surfaces.
   2. Fill static joints and cracks.
   3. Install backer rod, and sealant.
   5. Install bond breaker along each side of expansion joints. Make bond breaker at least 4 times the width of the expansion joint.
   6. Mask off and protect all adjoining surfaces that are not to receive elastomeric waterproofing.

3.02 INSTALLATION

A. General: Install the elastomeric waterproofing in strict conformance with the approved manufacturer's written instructions, unless otherwise specified herein.

B. Application Method: Use spray, roller, squeegee, trowel, or brush as recommended by the manufacturer and as necessary to produce the specified waterproof system.

C. Apply the liquid material in the necessary quantities to produce a cured membrane average thickness of 14-27 mils wet, 7-13.5 mils dry.

D. Cure membrane in accordance with manufacturer's instructions.

3.03 FIELD QUALITY CONTROL

A. Thickness of Membrane:

1. During application, take frequent wet gage checks to assure sufficient coverage to obtain the specified dry film thickness.
2. When and where directed by the Director's Representative, make test cuts thru the cured membrane and measure the dry film thickness. (Up to one test for each 100 sf may be required). Patch the cuts immediately with matching materials. Apply additional membrane material where required, if tests show less than specified membrane thickness.

END OF SECTION