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**IFB122052 Roof Replacement Danforth Towers (both)**

**ADDENDUM NO. 4**

January 3, 2017

**This Addendum consists of five (5) pages, this acknowledgement and 4 pages of answers.**

Acknowledgement:

I have received this Addendum # 4 and have used it in the calculation/preparation of this proposal.

\_\_\_\_\_ Firm

**This acknowledgement must be submitted with your  
proposal or it may be rendered invalid.**



**Rochester Housing Authority  
Danforth Towers Roof Replacement  
HUNT 2285-043**

The following Addendum (Addenda) shall be considered a part of the contract documents prepared by HUNT ENGINEERS, ARCHITECTS & LAND SURVEYORS, P.C. dated November 10, 2016.

**Architectural ADDENDUM No. 4**

**Date: January 3, 2017**

**Clarifications issued by this Addendum:**

- ITEM AD4-1      The protection rail system called out by detail 5/A4.1 will be located at the perimeter the main roof of both East and West towers.
- ITEM AD4-2      RHA will take responsibility for the lightning protect inspection and certification.
- ITEM AD4-3      RHA will provide the disconnect and reconnecting for all mechanical roof curbs to be raised. The contractor is responsible for any additional material plenum and/or wiring that is required to extend the duct to its new height. The contractor is responsible to notify RHA a week in advance for when work is to be performed.
- ITEM AD4-4      All drains that are to be replaced, will be replaced with cast iron drains and caps.

**Drawings issued by this Addendum:**

None

**Specifications issued by this Addendum:**

- ITEM AD4-5      **ADD** Section "07 62 00 BSD-Sheet Metal Flashing and Trim"

**Revision to Specifications issued by this Addendum:**

None

**Revisions to Drawings issued by this Addendum:**

None

**End of Addendum**

SECTION 07 62 00  
SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fabricated sheet metal items, including flashings and counterflashings.
- B. Reglets and accessories.

1.2 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood nailers for sheet metal work.
- B. Section 07 51 00 - Built-Up Bituminous Roofing.
- C. Section 07 52 00 - Modified Bituminous Membrane Roofing.
- D. Section 07 92 00 - Joint Sealants: Sealing non-lap joints between sheet metal fabrications and adjacent construction.
- E. Section 08 62 00 - Unit Skylights: Integral metal curbs.

1.3 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2012.
- B. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- C. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- D. ASTM D2178/D2178M - Standard Specification for Asphalt Glass Felt Used in Roofing and Waterproofing; 2013a.
- E. ASTM D4479/D4479M - Standard Specification for Asphalt Roof Coatings - Asbestos-Free; 2007 (Reapproved 2012)e1.
- F. ASTM D4586/D4586M - Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007 (Reapproved 2012)e1.

1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.

1.5 QUALITY ASSURANCE

- A. Perform work in accordance with SMACNA (ASMM) and CDA A4050 requirements and standard details, except as otherwise indicated.
- B. Fabricator and Installer Qualifications: Company specializing in sheet metal work with ten years of documented experience.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- B. Prevent contact with materials that could cause discoloration or staining.

## PART 2 PRODUCTS

### 2.1 SHEET MATERIALS

- A. Aluminum: ASTM B209; 0.032 inch thick; anodized finish to match existing finish.

### 2.2 ACCESSORIES

- A. Fasteners: Galvanized steel, with soft neoprene washers.
- B. Underlayment: ASTM D2178, glass fiber roofing felt.
- C. Primer: Zinc chromate type.
- D. Protective Backing Paint: Asphaltic mastic, ASTM D4479 Type I.
- E. Sealant to be Concealed in Completed Work: Non-curing butyl sealant, and as recommended by manufacturer for substrates to be sealed.
- F. Sealant to be Exposed in Completed Work: ASTM C920; elastomeric sealant, 100 percent silicone with minimum movement capability of plus/minus 25 percent and as recommended by manufacturer for substrates to be sealed; clear.
- G. Plastic Cement: ASTM D4586, Type I.
- H. Reglets: Surface mounted type, aluminum; finish to match existing .

### 2.3 FABRICATION

- A. Form sections true to shape, accurate in size, square, and free from distortion or defects.
- B. Form pieces in longest possible lengths.
- C. Hem exposed edges on underside 1/2 inch; miter and seam corners.
- D. Form material with flat lock seams, except where otherwise indicated. At moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.
- E. Fabricate corners from one piece with minimum 18 inch long legs; seam for rigidity, seal with sealant.
- F. Fabricate vertical faces with bottom edge formed outward 1/4 inch and hemmed to form drip.
- G. Fabricate flashings to allow to extend 2 inches over roofing membrane. Return and brake edges.

### PART 3 EXECUTION

#### 3.1 EXAMINATION

- A. Verify roof openings, curbs, pipes, sleeves, ducts, and vents through roof are solidly set, reglets in place, and nailing strips located.
- B. Verify roofing termination and base flashings are in place, sealed, and secure.

#### 3.2 PREPARATION

- A. Install starter and edge strips, and cleats before starting installation.
- B. Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil.

#### 3.3 INSTALLATION

- A. Secure flashings in place using concealed fasteners. Use exposed fasteners only where permitted.
- B. Apply plastic cement compound between metal flashings and felt flashings.
- C. Fit flashings tight in place. Make corners square, surfaces true and straight in planes, and lines accurate to profiles.
- D. Seal metal joints watertight.

#### 3.4 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for field inspection requirements.
- B. Inspection will involve surveillance of work during installation to ascertain compliance with specified requirements.

END OF SECTION