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NOTICE TO ALL FIRMS

Date: October 13, 2022

To: All Prospective Bidders

From: Sam Li
Deputy Director of Purchasing

Re: Addendum Number 6
IFB # C1536 – Admissions Office Renovation

Note:

1) The bids must be received by **October 17, 2022 on or before 12:00PM**

2) In Addendum No. 5, the phone # listed for Kone Elevators was entered incorrectly. Please use the following phone # for Kone Elevators - (718) 361-7200 and ask for Justin Thomasino.

Revisions and Clarifications

1) Prior to the installation of finished flooring, the GC is to provide moisture control and self-leveling to the existing Cellar floor slab throughout the project area. Self-leveling is to be provided on the first floor slab. See attached revised specifications for 03 54 00 Self-Leveling Underlayment Concrete and new specification section 09 30 00 Water Proofing Crack Isolating Membrane.

2) GC is to provide bituminous damp proofing at the 1st floor restrooms prior to the tile installation. See attached specification for 07 11 13 Bituminous Damp proofing.

THIS ADDENDUM IS PART OF THE CONTRACT DOCUMENT AND SHALL BE INCLUDED WITH YOUR REQUEST FOR PROPOSAL SUBMITTAL. YOUR SIGNATURE BELOW WARRANTS THAT YOU UNDERSTAND THIS ADDENDUM AND THAT YOU HAVE MADE THE APPRORIATE ADJUSTMENTS IN YOUR PROPOSAL AND CALCULATIONS.

_____
Signature

_____
Print Name and Title of Authorized Representative

_____
Print Name of Company/Partnership/Individual

_____
Date

SECTION 03 54 00 – SELF-LEVELING UNDERLAYMENT CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

A. Work of this section includes the primer and self-leveling over the existing concrete floor slabs.

1.2 SECTION INCLUDES PRODUCTS BY ARDEX

A. ARDEX K 15™ Self-Leveling Underlayment Concrete
B. ARDEX P 51™ Primer
C. ARDEX P 82™ Ultra Prime
D. ARDEX E 25™ Resilient Emulsion
E. ARDEX MC™ Moisture Control Systems
F. Approved Equal

1.3 QUALITY ASSURANCE

A. Installation of self leveling material must be by a factory-trained applicator, such as an ARDEX level Master Elite Installer, using mixing equipment and tools approved by the manufacturer, or equal.
B. Manufacturers Representative shall review existing conditions prior to the Work. Contractor shall provide written approval from the Manufacturer that the substrate is acceptable to be installed with the Self Leveling Underlayment Concrete.
C. Underlayment shall be able to be installed at 1/8” typical for 85% of the area to be covered and 1” plus or minus for the remaining 15%.
D. Underlayment compressive strength shall be 4100 psi after 28 days per ASTM C109/mod (air cure only).
E. Underlayment shall be walkable after 2 hours and allow floor covering to be installed after 16 hours at 70 degrees Fahrenheit.
F. Manufacturer’s certification that the product is cement-based having an inorganic binder content which is 100% cement, to include Portland cement per ASTM C150: Standard specification for Portland Cement and other specialty hydraulic cements.

1.4 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in their unopened packages and protect from extreme temperatures and moisture. Protect liquids from freezing.

1.5 SITE CONDITIONS

A. ARDEX K 15 is a cementitious material. Observe the basic rules of concrete work. Do not install below 50°F surface temperature. Install quickly if floor is warm and follow hot weather precautions available from the ARDEX Technical Service Department. Never mix with cement or additives other than ARDEX-approved products.

1.6 SUBMITTALS

A. Manufacturer's technical information for all material and installation.
B. MSDS Sheets

PART 2 - PRODUCTS

2.1 MATERIALS

A. The cement-based self-leveling underlayment shall be ARDEX K 15 Self-Leveling Underlayment Concrete.
B. Primer for non-porous subfloors such as burnished concrete, terrazzo, quarry, and ceramic tile shall be ARDEX P 82 ULTRA PRIME.
C. Aggregate shall be well graded, washed gravel (1/8" to ¼" or larger) for use when underlayment is installed over 1 ½" thick (if required).
D. Water shall be clean, potable, and sufficiently cool (not warmer than 70 degrees Fahrenheit).

2.2 MIX DESIGNS

A. Standard mixing ratio: ARDEX K 15 is mixed in 2-bag batches at one time. Mix each bag of ARDEX K 15 (55 lb.) with 7 quarts of water. Product shall be mixed in an ARDEX T-10 Mixing Drum using an ARDEX T-1 Mixing Paddle and a 1/2" heavy-duty drill (min. 650 rpm). Mix thoroughly for approximately 2-3 minutes to obtain a lump-free mixture. Follow written instructions per the ARDEX K 15 bag label.
B. Resilient mix for applications over cutback and non-water soluble adhesive residues, wood and metal: Use 6 qt. of water and 2 qt. of ARDEX E 25 Resilient Emulsion for each bag of ARDEX K 15.
C. For pump installations, ARDEX K 15 shall be mixed using the ARDEX Levelcraft Automatic Mixing Pump. Start the pump at 210 gallons of water per hour, and then adjust to the minimum water reading that still allows self-leveling properties. DO NOT OVERWATER! Check the consistency of the product on the floor to ensure a uniform distribution of the sand aggregate at both the top surface and bottom of the pour. If settling is occurring, reduce the water amount and recheck. Conditions during the installation, such as variations in water, powder,

substrate, and ambient temperature, require that the water setting be monitored and adjusted carefully to avoid overwatering.

PART 3 - EXECUTION

3.1 PREPARATION

A. All subfloors must be sound, solid, cleaned, and primed:
   1. All concrete subfloors must be of adequate strength, clean, and free of all oil, grease, dirt, curing compounds and any substance that might act as a bondbreaker before priming. Mechanically clean if necessary, using shot blasting or other. Acid etching and the use of sweeping compounds and solvents are not acceptable.
   2. Non-porous subfloors such as ceramic and quarry tile as well as terrazzo should be clean and free of all waxes and sealers. If necessary, have the surface professionally cleaned.
   3. All cracks in the subfloor shall be repaired to minimize telegraphing through the underlayment.
   4. Substrates shall be inspected and corrected for moisture or any other conditions that could affect the performance of the underlayment or the finished floor covering.

B. Joint Preparation
   1. Moving Joints – honor all expansion and isolation joints up through the underlayment.
   2. Saw Cuts and Control Joints – fill all non-moving joints with ARDEX FEATHER FINISH or ARDEX SD-P if required.

C. Priming
   1. Primer for standard absorbent concrete subfloors: Mix ARDEX P 51, 1:1 with water and apply evenly with a soft push broom. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry to a clear, thin film (min. 3 hours, max. 24 hours). Underlayment shall not be applied until the primer is dry. Primer coverage is approximately 400 to 600 sq. ft. per gallon.
   2. Primer for non-porous subfloors, or cutback and other non-water soluble adhesive residues over concrete: Prime with ARDEX P 82. Mix Part A (red) with Part B (white) and apply with a short-nap or sponge paint roller, leaving a thin coat of primer no heavier than a thin coat of paint. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry to a clear, slightly tack film (minimum 3 hours, maximum 24 hours). Underlayment shall not be installed until primer is dry. Primer coverage is approximately 200 to 400 square feet per gallon.
   3. Minimum drying time for ARDEX P 82 over cutback adhesive is 18 hours.

3.2 APPLICATION OF UNDERLAYMENT

A. Installation
   1. Pour or pump the liquid ARDEX K 15 and spread in place with the ARDEX t-4 Spreader. Use the ARDEX t-5 Smoother for featheredge and touch-up. Wear baseball shoes with non-metallic cleats to avoid leaving marks in the liquid ARDEX K 15. Underlayment can be walked on in 2-3 hours at 70 degrees Fahrenheit.

3.3 PREPERATION FOR FLOORING INSTALLATION

A. Underlayment can accept finish floor covering materials after 16 hours at 70 degrees Fahrenheit and 50% relative humidity.
B. Due to the wide range of adhesives that are used to install floor coverings, some adhesives may dry more quickly over ADREX underlayments than over other substrates. If this condition occurs, priming the surface of the underlayment with ARDEX P 51 Primer diluted 1:3 with water will even out the drying of the adhesive. Allow the primer to dry 1-3 hours before proceeding with the adhesive installation.

3.4 FIELD QUALITY CONTROL

A. Where specified, field sampling of the ARDEX underlayment is to be done by taking an entire unopened bag of the product being installed to an independent testing facility to perform compressive strength testing in accordance with ASTM C 109/modified: air-cure only. There are no in situ test procedures for the evaluation of compressive strength.

3.5 PROTECTION

A. Prior to installation of the finish flooring, the surface of the underlayment should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION 03 54 00

SECTION 09 30 00

WATERPROOFING AND CRACK ISOLATING MEMBRANE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings, general provisions of the Contract, and other related documents such as Division 01 specifications apply to this Section.

1.2 SUMMARY

A. This Section includes the application of a one-component waterproofing and crack isolation membrane for the subsequent installation of self-leveling.

1.3 REFERENCES

A. AMERICAN NATIONAL STANDARDS INSTITUTE (A.N.S.I.)

1. A-108.01 General Requirements for Subsurfaces and Preparations by Other Trades

1.4 SUBMITTALS

A. Product Data: Submit manufacturer’s product data and installation instructions for each material and product used. Include manufacturer’s Safety Data Sheets

B. Manufacturer Safety Data Sheets

1.5 DELIVERY, STORAGE AND HANDLING

A. Deliver products in original packaging, labeled with product identification, manufacturer, batch number and shelf life.

B. Store products in a dry area with temperature maintained between 50° and 85°F (10° and 29°C) and protect from direct sunlight. Store at temperatures between 40° and 90°F (5° and 32°C).

C. Handle products in accordance with manufacturer’s printed recommendations.

1.6 PROJECT CONDITIONS

A. Do not install material below 50°F (10°C) surface and air temperatures.

PART 2 - PRODUCTS

2.1 ONE-COMPONENT WATERPROOFING & CRACK ISOLATON COMPOUND

A. Acceptable Products:

1. ARDEX S 1-K; Manufactured by ARDEX Engineered Cements: 400 Ardex Park Drive, Aliquippa, PA, 15001, USA; (724) 203-5000; www.ardexamericas.com

2. Approved Equal

B. Performance and Physical Properties: Meet or exceed the following values for material cured at 70Â° F+/-3Â°F (21Â° C+/-3Â°C) and 50% +/-5% relative humidity:

1. Working time: Unlimited. Seal unused portion to prevent product from drying out.

2. Coats: 2

3. Dry Time: 1 – 2 hours – coat 1, 12 – 16 hours – coat 2

4. Meets or Exceeds ANSI A 118.12 and ANSI A 118.10

PART 3 – EXECUTION

3.1 SUMMARY

A. Subfloors: Prepare substrate in accordance with manufacturer's instructions.

1. Prior to proceeding, please refer to ANSI A 108 AN-2 "General Requirements for Subsurfaces" for detailed information on surface preparation and guidelines for substrate construction. Substrate and ambient temperatures must be a minimum of 50°F (10°C).

2. All substrates must be structurally sound, solid, dry and thoroughly clean and free of oil, wax, grease, asphalt, latex and gypsum compounds, curing compounds, sealers and any contaminant that might act as a bond breaker. The plane and wall surface must be plumb and true.

B. Joint Preparation

1. Moving Joints and Moving Cracks - Expansion joints must be provided over

existing moving joints and cracks, and where substrate materials change composition or direction per ANSI A108 AN-3.7.

2. Dormant Joints and Dormant Cracks – Fill dormant joints and dormant cracks with ARDEX ARDIFIX™ Joint Filler, as recommended by the manufacturer.

3.2 APPLICATION OF WATERPROOFING AND CRACK ISOLATION MEMBRANE

A. Examine substrates and conditions under which materials will be installed. Do not proceed with installation until unsatisfactory conditions are corrected.

B. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas from contact due to mixing and handling of materials.

C. Install Waterproofing and Crack Isolation Membrane:

1. When mixing sanded materials, use a standard “gutter hook” vacuum attachment in combination with a wet/dry (Shop-Vac® style) vacuum and HEPA dust extraction vacuum system. Additionally, each bag should be handled with care and emptied slowly to avoid creating a plume of dust.

3.3 FIELD QUALITY CONTROL

A. Where required, contact manufacturer for field sampling methods and procedures.

3.4 PROTECTION

A. Prior to the installation of the finish flooring from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION 09 30 00

SECTION 07 11 13

BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.1 RELATED WORK SPECIFIED ELSEWHERE

A. Selective Removals and Demolition: Section 02 41 13.

1.2 DESCRIPTION OF THE WORK

A. Section Includes:
1. Cold-applied, cut-back asphalt dampproofing of surfaces exposed prior to the installation of finished tiles in restrooms.

1.3 SUBMITTALS

A. Product Data: For each type of dampproofing product. Include recommendations for method of application, primer, number of coats, coverage or thickness, and protection course.

B. Material Certificates: For each product, signed by manufacturers.

1.4 QUALITY ASSURANCE

A. Source Limitations: Obtain primary dampproofing materials and primers through one source from a single manufacturer. Provide secondary materials recommended by manufacturer of primary materials.

1.5 PROJECT CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit dampproofing to be performed according to manufacturers' written instructions.

PART 2 - PRODUCTS

2.1 COLD-APPLIED, CUT-BACK ASPHALT DAMPPROOFING

A. Available Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

1. Henry Company
2. Karnak Corporation
3. Meadows, W. R., Inc

B. Cold-Applied, Cut-Back Asphalt Dampproofing: Asphalt and solvent compound mixed to a smooth, uniform consistency to provide a firm, moisture-resistant, vapor-resistant, elastic coating recommended by the manufacturer for dampproofing use when applied according to the manufacturer's instructions.
   1. Provide semi-mastic grade consisting of an asphalt base with petroleum solvents and mineral stabilizers, complying with ASTM D 4479, Type I.
      a. "83AF Fired Dampproofing" (brush or spray) by Karnak.

2.2 MISCELLANEOUS MATERIALS

A. Glass Fiber Mat: Manufacturer's standard nonwoven fabric of glass fiber, impregnated with binder, which is compatible with dampproofing, weighing 1.0 to 1.5 lbs. per 100 sq. ft., 36-inch-wide rolls.

B. Bituminous Grout: ASTM D 147.

C. Plastic Cement: ASTM D 491, asphalt base.

D. Substrate Primer: Provide the primary material manufacturers recommended highly ductile soft asphalt-solvent type surface primer which meets the minimum criteria established by ASTM D 41.

PART 3 - EXECUTION

3.1 INSPECTION

A. General: Examine substrate and conditions under which bituminous dampproofing work is to be performed. Proceed with work after unsatisfactory conditions have been corrected.

B. Pre-Installation Conference: Conduct a conference at the Project site as follows:
   1. Before installing dampproofing system, but following acceptance of required submittals, meet with Owner, Architect, Contractor, consultants, masons and other entities whose Work relies upon, interfaces with, or is in direct contact with the specified dampproofing.

3.2 PREPARATION OF SUBSTRATE

A. Clean substrate of projections and substances detrimental to work; comply with recommendations of prime materials manufacturer. Unless specifically approved by the manufacturer dampproofing materials and primers shall not be applied when temperatures are at or below freezing; nor when substrates are wet or damp.

1. Provide temporary protections of adjacent construction and other appurtenance from overspray, fallout, or similar defacement from dampproofing application.

B. Fill small hairline cracks, pinholes and similar voids and seal joints and apply bond breaker as recommended by prime materials manufacturer, with particular attention at construction joints and at joints of different materials.

C. Install separate flashings, corner protection stripping and fabric reinforcing as recommended by prime materials manufacturer, where indicated to precede application of dampproofing. Comply with manufacturer's recommendations.

D. Prime substrate as recommended by prime material manufacturer. Primer shall be applied at a minimum rate of 1/2 gallon per 100 square feet.
1. Primer shall be applied only to dry substrates; and limited to only those substrates/surfaces which upon backfilling operations will conceal the evidence of the installation.
2. Promptly remove primers from adjacent surfaces not indicated to receive dampproofing, and from those surfaces which will remain exposed in the final unit of work.

E. Do not allow dampproofing compounds to enter and clog weeps, vents and other designated openings. Prevent spillage and migration onto other surfaces of work, by masking or otherwise protecting adjoining work.

3.3 INSTALLATION

A. General: Comply with manufacturer's instructions, except where project conditions require extra precautions to ensure satisfactory installation of work.

B. Cut-back Asphalt:
1. Reinforcement: At changes in plane or where otherwise shown as "Reinforced," install lapped course of mineral-fiber mat in first coat of dampproofing compound before it thickens.

2. Apply two brush or spray coats at not less than 1.25 gal./100 sq. ft. for first coat and 1 gal./100 sq. ft. for second coat, or one trowel coat at not less than 4 gal./100 sq. ft.

a. Coordinate the installation of dampproofing materials with the Work of all other related Sections; Comply with the manufacturer's recommendations regarding material terminations.
b. Bituminous Cant Strips: Install 2-by-2-inch cant strip of bituminous grout at base of vertical dampproofing where it meets horizontal surface.

3.4 INSTALLATION OF PROTECTION COURSE

A. General: Install protection course of type indicated over completed-and-cured dampproofing treatment. Comply with dampproofing materials manufacturer's recommendations for method of support or attaching of protection materials. Support

with spot application of trowel-grade mastic where not otherwise indicated.

3.5 CLEANING

A. Remove fall-out, spilled materials, surface contaminants and other defacements resulting from the application of the dampproofing systems specified.

END OF SECTION 07 11 13