

**\*\*\*ADDENDUM FOUR\*\*\***

**BID NUMBER B2013015  
ENTRANCE RESTORATION  
1<sup>ST</sup> FLOOR ENTRY VESTIBULE AND 5<sup>TH</sup> FLOOR ENTRY VESTIBULE  
Frank J. Licht Judicial Complex  
250 Benefit Street  
Providence, Rhode Island 02903**

**August 14, 2013**

**NOTICE:**

This Addendum modifies, amends and supplements designated part of the CONTRACT DOCUMENTS for the project identified as "Entrance Restoration 1<sup>st</sup> Floor Entry Vestibule & 5<sup>th</sup> Floor Entry Vestibule", Frank J. Licht Judicial Complex, 250 Benefit Street, Providence, Rhode Island, dated May 10, 2013, Addendum 1, dated August 1, 2013, Addendum 2, dated August 2, 2013, and Addendum 3, dated August 13, 2013, is hereby made a part thereof by reference, and shall be as binding as though inserted in its entirety in the locations designated hereunder. It shall be the responsibility of the Contractor to notify all subcontractor and suppliers he proposes to use for the various parts of the work of any changes or modifications contained in this Addendum. No claim for additional compensation due to lack of knowledge of the contents of this Addendum will be considered.

**Specifications:**

1. Section 08 11 13, Custom Metal Doors.
  - a. Delete section in its entirety.
2. Section 08 41 13, Aluminum-Framed Entry Doors.
  - a. Insert section in its entirety. (see attached)

**Drawings:**

1. A1.01 PARTIAL 5<sup>TH</sup> FLOOR PLAN AND INTERIOR ELEVATIONS
  - a. Delete Demolition Note 1 in its entirety and replace with the following Demolition Note 1:  
  
*"1. Carefully remove and dispose of existing aluminum door system (existing bronze frame to remain). Prepare existing bronze frame as required to install new aluminum doors. Refer to door schedule for additional information. Remove and reinstall existing door security system contacts (maintain functionality of system at all times)."*
  - b. Door Schedule: Remove "Bronze" from material column of Door sub category for doors 100, 102, 103,104, 500, and 502 and replace with "Aluminum".

**NOTICE TO ALL CONTRACTORS:**

Contractors shall call our office to verify number of Addendum issued at least 24 hours in advance of bid submission. Failure to acknowledge receipt of this addendum on the bid form may, at the sole discretion of the Owner, serve as justification to reject bid.

END OF WRITTEN ADDENDUM

---

**SECTION 08 41 13 - ALUMINUM-FRAMED ENTRY DOORS****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:
  - 1. Manual swing entrance doors.

**1.3 DEFINITIONS**

- A. ADA/ABA Accessibility Guidelines: U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disability Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities."

**1.4 ACTION SUBMITTALS**

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for aluminum-framed systems.
- B. Shop Drawings: For aluminum-framed entry doors. Include plans, elevations, sections, details, and attachments to other work.
  - 1. For entrance doors, include hardware schedule and indicate operating hardware types, functions, quantities, and locations.
- C. Samples for Initial Selection: For units with factory-applied color finishes.
- D. Samples for Verification: Provide finish samples of colors selected from initial submittal on actual aluminum material for final color selection.
- E. Other Action Submittals:
  - 1. Entrance Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of entrance door hardware, as well as procedures and diagrams. Coordinate final entrance door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of entrance door hardware.

**1.5 CLOSEOUT SUBMITTALS**

- A. Maintenance Data: For aluminum-framed systems to include in maintenance manuals.

---

## 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.
- B. Accessible Entrances: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1 (2003 Edition).
- C. Source Limitations for Aluminum-Framed Systems: Obtain from single source from single manufacturer.

## 1.7 PROJECT CONDITIONS

- A. Field Measurements: Verify actual locations of structural supports for aluminum-framed systems by field measurements before fabrication and indicate measurements on Shop Drawings.

## 1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of aluminum-framed systems that do not comply with requirements or that fail in materials or workmanship within specified warranty period.
  - 1. Warranty Period: One year from date of Substantial Completion.
- B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes do not comply with requirements or that fail in materials or workmanship within specified warranty period. Warranty does not include normal weathering.
  - 1. Warranty Period: 10 years from date of Substantial Completion.

## 1.9 MAINTENANCE SERVICE

- A. Entrance Door Hardware:
  - 1. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of entrance door hardware.
  - 2. Initial Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of entrance door hardware Installer. Include quarterly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper entrance door hardware operation at rated speed and capacity. Provide parts and supplies the same as those used in the manufacture and installation of original equipment.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide products indicated in the following paragraphs as manufactured by OldCastle Glass Engineered Products or comparable product by one of the following:

1. EFCO Corporation.
2. Kawneer North America; an Alcoa company.
3. Pittco Architectural Metals, Inc.
4. TRACO.
5. Tubelite.
6. United States Aluminum.

## 2.2 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
1. Sheet and Plate: ASTM B 209 (ASTM B 209M).
  2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
  3. Extruded Structural Pipe and Tubes: ASTM B 429.
  4. Structural Profiles: ASTM B 308/B 308M.
  5. Welding Rods and Bare Electrodes: AWS A5.10/A5.10M.
- B. Steel Reinforcement: Manufacturer's standard zinc-rich, corrosion-resistant primer, complying with FS TT-P-645; applied immediately after surface preparation and pretreatment. Select surface preparation methods according to recommendations in SSPC-SP COM and prepare surfaces according to applicable SSPC standard.
1. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M.
  2. Cold-Rolled Sheet and Strip: ASTM A 1008/A 1008M.
  3. Hot-Rolled Sheet and Strip: ASTM A 1011/A 1011M.

## 2.3 ENTRANCE DOOR SYSTEMS

- A. Entrance Doors: OldCastle Glass Engineered Products Series 500 Wide Stile doors. Manufacturer's standard glazed entrance doors for manual-swing operation.
1. Door Construction: 1-3/4-inch (44.5-mm) overall thickness, with minimum 0.125-inch- (3.2-mm-) thick, extruded-aluminum tubular rail and stile members. Mechanically fasten corners with reinforcing brackets that are deeply penetrated and fillet welded or that incorporate concealed tie rods.
  2. Door Design: All rails and stiles should match widths and heights of existing bronze pocket doors.
  3. Glazing Stops and Gaskets: Square, snap-on, extruded-aluminum stops and preformed gaskets.
    - a. Provide nonremovable glazing stops on outside of door.

## 2.4 ENTRANCE DOOR HARDWARE

- A. General: Provide entrance door hardware and entrance door hardware sets indicated in "Entrance Door Hardware Sets" Article for each entrance door to comply with requirements in this Section.
1. Entrance Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and products equivalent in function and comparable in quality to named products.
  2. Opening-Force Requirements:

- a. Egress Doors: Not more than 15 lbf (67 N) to release the latch and not more than 30 lbf (133 N) to set the door in motion and not more than 15 lbf (67 N) to open the door to its minimum required width.
- B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of entrance door hardware are indicated in "Entrance Door Hardware Sets" Article. Products are identified by using entrance door hardware designations as follows:
  1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in "Entrance Door Hardware Sets" Article.

## 2.5 FABRICATION

- A. Form or extrude aluminum shapes before finishing.
- B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.
- C. imposed by door operation and for installing entrance door hardware.
  1. At exterior doors, provide compression weather stripping at fixed stops.
  2. At interior doors, provide silencers at stops to prevent metal-to-metal contact. Install three silencers on strike jamb of single-door frames and two silencers on head of frames for pairs of doors.
- D. Entrance Doors: Reinforce doors as required for installing entrance door hardware.
  1. At pairs of exterior doors, provide sliding-type weather stripping retained in adjustable strip and mortised into door edge.
  2. At exterior doors, provide weather sweeps applied to door bottoms.
- E. Entrance Door Hardware Installation: Factory install entrance door hardware to the greatest extent possible. Cut, drill, and tap for factory-installed entrance door hardware before applying finishes.

## 2.6 ALUMINUM FINISHES

- A. High-Performance Organic Finish: 3-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions. Acceptable coatings are Trinar by Akzo Coatings, Fluoroceram by Morton International, Duranar by PPG Industries and Fluropon by Valspar Corp.
  1. Color and Gloss: As selected by Architect from manufacturer's full range.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

A. General:

1. Comply with manufacturer's written instructions.
2. Do not install damaged components.
3. Fit joints to produce hairline joints free of burrs and distortion.
4. Rigidly secure nonmovement joints.

B. Metal Protection:

1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or applying sealant or tape, or by installing nonconductive spacers as recommended by manufacturer for this purpose.
2. Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.

- C. Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within the system to exterior.

- D. Entrance Doors: Install doors to produce smooth operation and tight fit at contact points.

1. Exterior Doors: Install to produce weathertight enclosure and tight fit at weather stripping.
2. Field-Installed Entrance Door Hardware: Install surface-mounted entrance door hardware according to entrance door hardware manufacturers' written instructions using concealed fasteners to greatest extent possible.

### 3.3 ADJUSTING

- A. Adjust operating entrance door hardware to function smoothly as recommended by manufacturer.

### 3.4 ALUMINUM ENTRY DOOR HARDWARE SETS

#### **ALHW-1**

Doors: 100, 500, 502

Each door to have:

2 Sets	Pivot	Rixson 117-3/4
2	Exit Device	Precision 2308 CD Less Trim, US26D
1	Cylinder	
2	Pull	Manufacturer's PH-21 x US32D
1	Threshold	Pemko 274A with 1842AS
1	Weatherstrip	Manufacturer's Standard
2	Bottom Sweep	Manufacturer's Standard

#### **ALHW-2**

Doors: 102, 103, 104

Each door to have:

1 Sets	Pivot	Rixson 117-3/4
1	Exit Device	Precision 2308 CD Less Trim, US26D
1	Cylinder	
1	Pull	Manufacturer's PH-21 x US32D
1	Threshold	Pemko 274A with 1842AS
1	Weatherstrip	Manufacturer's Standard
1	Bottom Sweep	Manufacturer's Standard

END OF SECTION 08 41 13