

## **ADDENDUM #2**

Date: November 4, 2021

This Addendum applicable to work designated herein shall be understood to be and is an Addendum and as such shall be part of and included in the Contract.

To all bidders for furnishing all labor and materials necessary for:

### **DPW 21239 ISU: PULLING COURTS SIDING AND WINDOW REPLACEMENT POCATELLO, ID NBW#21001**

Failure to acknowledge receipt of this Addendum on the bid proposal form may result in rejection of your bid.

Addendum consists of: 1 page. Attached Documents consist of – Sheet A6.1, Specification Section 08 5213

### **GENERAL ITEMS**

1. All interior wood for the new windows – frame, sash, etc. is to be painted.

### **ARCHITECTURAL ITEMS**

1. Sheet A6.1 – Details A, B, C, D, and E have been revised to call out painting the interior wood of all new windows.
2. Sheet A6.1 – Tempered glazing is only to be provided on windows where called for in the window schedule. The window schedule has been updated – see attached.
3. Specification Section 08 5213 2.3 Glazing – This section has been modified to clarify that tempered glass is only required where called for in the window schedule.
4. Specification Section 08 5213 2.5 Hardware – Section C. has been added for window opening control devices. These devices are required on second floor bedroom windows only – see revised window schedule.

END OF ADDENDUM NO.2



## **SECTION 08 5213 - ALUMINUM-CLAD WOOD DOUBLE HUNG WINDOWS**

### **PART 1 GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Aluminum-clad wood double hung windows.

#### **1.2 RELATED SECTIONS**

- A. Section 07 2500 - Weather Barriers: Water-resistant barrier.
- B. Section 07 9200 - Joint Sealants: Sealants and caulking.

#### **1.3 PERFORMANCE REQUIREMENTS**

- A. Windows shall be Hallmark certified to a rating of LC-30 in accordance with ANSI/AAMA/WDMA 101/I.S.2/A440-08 or ANSI/AAMA/WDMA 101/I.S.2/A440-11.
- B. Window Unit Air Leakage, ASTM E 283, 1.57 psf (25 mph): 0.05 cfm per square foot of frame or less.
- C. Window Unit Water Penetration: No water penetration through window unit when tested in accordance with ASTM E 547, under static pressure of 7.5 psf (52 mph) after 4 cycles of 5 minutes each, with water being applied at a rate of 5 gallons per hour per square foot.

#### **1.4 SUBMITTALS**

- A. Comply with Division 1 requirements.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Shop Drawings: Submit manufacturer's shop drawings, indicating dimensions, construction, component connections and locations, anchorage methods and locations, hardware locations, and installation details.
- D. Samples: Submit full-size or partial full-size sample of window illustrating glazing system, quality of construction, and color of finish.
- E. Warranty: Submit manufacturer's standard warranty.

#### **1.6 QUALITY ASSURANCE**

- A. Mockup:
  - 1. Provide sample installation for field testing window performance requirements and to determine acceptability of window installation methods.
  - 2. Approved mockup shall represent minimum quality required for the Work.
  - 3. Approved mockup shall [not] remain in place within the Work.

#### **1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Delivery: Deliver materials to site undamaged in manufacturer's or sales branch's original, unopened containers and packaging, with labels clearly identifying manufacturer and product name. Include installation instructions.
- B. Storage: Store materials in an upright position, off ground, under cover, and protected from weather, direct sunlight, and construction activities.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

## PART 2 PRODUCTS

### 2.1 MANUFACTURER

- A. Pella
- B. Andersen
- C. Marvin
- D. Kolbe

### 2.2 ALUMINUM-CLAD WOOD DOUBLE HUNG WINDOWS

- A. Frame:
  - 1. Select woods, water-repellent, preservative-treated with EnduraGuard® in accordance with WDMA I.S.-4. EnduraGuard includes water-repellency, three active fungicides and an insecticide applied to the frame.
  - 2. Interior Exposed Surfaces: Pine.
  - 3. Exterior Surfaces: Clad with aluminum.
  - 4. Overall Frame Depth: 5 inches (127 mm).
- C. Sash:
  - 1. Select woods, water water-repellent, preservative-treated with EnduraGuard in accordance with WDMA I.S.-4. EnduraGuard includes water-repellency, three active fungicides and an insecticide applied to the sash.
  - 2. Interior Exposed Surfaces: Pine.
  - 3. Exterior Surfaces: Clad with aluminum.
  - 4. Corners: Mortised and tenoned, glued and secured with metal fasteners.
- D. Weather Stripping:
  - 1. Dual weather stripping.
  - 2. Continuous, flexible, Santoprene material in dual-durometer design.
  - 3. Units shall have welded corners, compressed between frame and sash for positive seal on all 4 sides.
  - 4. Secondary PVC leaf-type weather strip between sash and frame for positive seals on all 4 sides.

### 2.3 GLAZING

- A. Glazing:
  - 1. Float Glass: ASTM C 1036, Quality 1.
    - a. Tempered Glass: where called for in the window schedule provide tempered glass per ASTM C 1048, per code.
  - 2. Type: Silicone-glazed 11/16-inch dual-seal, insulating glass, multi-layer Low-E coated with argon

### 2.5 HARDWARE

- A. Balances:
  - 1. Block-and-tackle balances.
  - 2. Balances are attached to frame and connected to sash with polyester cord.
- B. Sash Lifts:
  - 1. Sash lift furnished for field installation.
  - 2. One sash lift on units with frame width less than 37 inches, 2 sash lifts on units with frame width greater than 37 inches.
- C. Window Opening Control Device:
  - 1. Factory or field-applied window opening control device (WOCD). Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

### 2.6 TOLERANCES

- A. Windows shall accommodate the following opening tolerances:
  - 1. Vertical Dimensions Between High and Low Points: Plus 1/4 inch, minus 0 inch.
  - 2. Width Dimensions: Plus 1/4 inch, minus 0 inch.
  - 3. Building Columns or Masonry Openings: Plus or minus 1/4 inch from plumb.

## 2.7 FINISH

- A. Exterior Finish System:
  - 1. Exterior aluminum surfaces shall be finished with the following multi-stage system:
    - a. Clean and etch aluminum surface of oxides.
    - b. Pre-treat with conversion coating.
    - c. Top coat with baked-on polyester enamel.
  - 2. Performance Requirements: Exterior aluminum finishes shall meet or exceed all performance requirements of AAMA 2603 and the following performance requirements of AAMA 2605:
    - a. Dry Film Hardness: Eagle Turquoise Pencil, H minimum.
    - b. Film Adhesion: 1 mm crosshatch, dry, wet, boiling water.
    - c. Impact Resistance: 1/10-inch distortion, no film removal.
    - d. Chemical Resistance: 10 percent Muriatic acid, 15 minutes. Mortar pat test, 24 hours.
    - e. Detergent Resistance: 3 percent at 100 degrees F, 72 hours.
    - f. Corrosion Resistance: ASTM G85-A5, 2000 hours. Humidity, 3,000 hours. Salt spray exceeds 3,000 hours.
- B. Interior Finish: Unfinished, ready for site finishing

## 2.8 INSECT SCREENS

- A. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
  - 1. Type and Location: Full, Outside for double hung sashes.
- B. Aluminum Frames: Manufacturer's standard aluminum alloy complying with SMA 1004 or SMA 1201. Fabricate frames with mitered or coped joints or corner extrusions, concealed fasteners, and removable PVC spline/anchor concealing edge of frame.
  - 1. Tubular Framing Sections and Cross Braces: Roll formed from aluminum sheet.
  - 2. Finish for Interior Screens: Baked-on organic coating in color selected by Architect from manufacturer's full range.
  - 3. Finish for Exterior Screens: Baked-on organic coating in color selected by Architect from manufacturer's full range.
- C. Glass-Fiber Mesh Fabric: 18-by-14 or 18-by-16 mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration. Comply with ASTM D 3656/D 3656M.
  - 1. Mesh Color: Color selected by Architect from manufacturer's full range.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine areas to receive windows. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

### 3.2 INSTALLATION

- A. Install windows in accordance with manufacturer's instructions and approved shop drawings.
- B. Install windows to be weather-tight and freely operating.
- C. Maintain alignment with adjacent work.
- D. Secure assembly to framed openings, plumb and square, without distortion.
- E. Integrate window system installation with exterior water-resistant barrier using flashing/sealant tape. Apply and integrate flashing/sealant tape with water-resistant barrier using watershed principles in accordance with window manufacturer's instructions.
- F. Place interior seal around window perimeter to maintain continuity of building thermal and air barrier using backer rod and sealant or insulating-foam sealant.
- G. Seal window to exterior wall cladding with sealant and related backing materials at perimeter of assembly.

- H. Leave windows closed and locked.

### **3.3 FIELD QUALITY CONTROL**

- A. Field Testing: Field water testing shall be conducted in accordance with ASTM E1105 Test Procedure B. The test pressure shall be based on the maximum positive components and cladding design pressure. Utilizing the AAMA 502 field test reduction, the water test pressure is 10% of the maximum positive design pressure.

### **3.4 CLEANING**

- A. Clean window frames and glass in accordance with Division 1 requirements.
- B. Do not use harsh cleaning materials or methods that would damage finish.
- C. Remove labels and visible markings.

### **3.5 PROTECTION**

- A. Protect installed windows to ensure that, except for normal weathering, windows will be without damage or deterioration at time of substantial completion.

**END OF SECTION**