ADDENDUM #2

Date: March 22, 2012

Project: Bid Package #2 – March 23, 2012 Walk Throughs
Annual Major Maintenance FY 13

To: Bidders of Record

SPECIAL NOTE: Addendum #2 information shall supersede the information contained in the Contract Documents

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated January 4, 2012. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

107 High Street
1. Contractor shall reference the scope of work for metal railings to be removed and reinstalled at east and south stairs, and east elevation at north end stair system, framing and footings to remain.

200 Church Street Window Replacement
1. Revised spec for Marvin Clad Ultimate Replacement Casement/Awning has been saved to the MM FY13 website.
2. Winvent has details for installation also.
3. Installation from the exterior for either manufacturer is the preferred method with the window set on top of the interior sill. Attachment would be with either screws through perimeter frame for operable vents, strap anchors covered by wood trim or aluminum trim for fixed sashes. Snap trim and frame extenders are available.
4. Upon further investigation, the existing casement windows are installed butted against the interior sill and screwed into the perimeter wood casing/trim.
5. The anchor screws for the operable sashes are easily visualized. The anchor screws for the fixed sashes have been covered with window glazing.
6. The grey window glazing is positive for ACM. The perimeter caulking and white window glazing is negative for ACM.
7. The interior and exterior wood trim will remain in place. Curved top wood trim shall remain in place. Perform wood consolidation as required to preserve exterior wood trim and prime and paint exterior wood trim. Contractor shall perform wood consolidation as scoped on all remaining wood with the exception of the following, contractor shall include in his bid replacement of the wood window sills in the following locations:
   a. North elevation, window system to the east of the north entry door on the patio
   b. West elevation, first floor, windows # 1, 3 and 4 counting from the south end.
8. Contractor shall provide continuous angled blocking on the interior of the window casing/sill for installation of the upper sashes; painted and finished to match window location.
9. Reference PowerPoint attached for window field investigation, 3rd floor cast stone exterior sill replacement and waterstop installation, 2nd floor window below 3rd floor cast stone exterior sill replacement location interior wood casing replacement.
Interior trim investigation.

Screw visualized with removal of glazing on fixed sash.

200 Church Street
West elevation, 3rd floor, window immediately south of fire escape:
• Contractor to chop out damaged exterior sill and repour. Provide waterstop.

West elevation, 2nd floor, window immediately south of fire escape below damaged sill noted above:
• Contractor to replace interior wood casing.
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PART 1 GENERAL

1.1 SECTION INCLUDES

A. Aluminum clad wood Ultimate Replacement Casement/Awning window complete with hardware, glazing, weather strip, insect screen, removable grille, grilles between glass, simulated divided lite, jamb extension, and standard or specified anchors, trim, and attachments.

1.2 RELATED SECTIONS

A. Section 01 33 23—Submittal Procedures: Shop Drawings, Product Data, and Samples
B. Section 01 62 00—Product Options
C. Section 01 65 00—Product Delivery
D. Section 01 66 00—Storage and Handling Requirements
E. Section 01 71 00—Examination and Preparation
F. Section 01 73 00—Execution
G. Section 01 74 00—Cleaning and Waste Management
H. Section 01 76 00—Protecting Installed Construction
I. Section 06 22 00—Millwork: Wood trim other than furnished by window manufacturer
J. Section 07 92 00—Joint Sealants: Sill sealant and perimeter caulking
K. Section 09 90 00—Paints and Coatings: Paint or stain other than factory applied finish

1.3 REFERENCES

A. American Society for Testing and Materials (ASTM):
   d. E 2190: Specification for Sealed Insulated Glass Units.
E. Sealed Insulating Glass Manufacturers Association / Insulating Glass Certification Council (SIGMA / IGCC).

1.4 SYSTEM DESCRIPTION

A. Design and Performance Requirements:
   a. Window units shall be designed to comply with AAMA/WDMA/CSA 101/I.S. 2/A 440-05; 101/I.S. 2/NAFS-02 and ANSI/AAMA/WDMA 101/I.S. 2-97; AAMA/WDMA/CSA 101/I.S.2/A440-08 operable Casement Frame Size 40"x92" CW-PG50 or Frame Size 36"x96 1/8" CW-PG50, operable Awning Frame Size 72"x63 1/8" AP-C50;
   b. Air leakage shall not exceed the following when tested at 1.57 psf according to ASTM E 283: ≤ 0.30 cfm per square foot of frame.
   c. No water penetration when tested at the following pressure according to ASTM E 547: 7.5 psf.
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d. Assembly shall withstand a positive or negative uniform static air pressure difference of 75 psf without damage when tested according to ASTM E 330.

1.5 SUBMITTALS

A. Shop Drawings: Submit shop drawings under provisions of Section 01 33 23.
B. Product Data: Submit catalog data under provisions of Section 01 33 23.
C. Samples:
   a. Submit corner section under provisions of Section 01 33 23.
   b. Include glazing system, quality of construction, and specified finish.
D. Quality Control Submittals: Certificates: Submit manufacturer’s certifications indicating compliance with specified performance and design requirements under provisions of Section 01 33 23.

1.6 QUALITY ASSURANCE


1.7 DELIVERY

A. Comply with provisions of Section 01 65 00.
B. Deliver in original packaging and protect from weather.

1.8 STORAGE AND HANDLING

A. Prime or seal wood surfaces, including surface to be concealed by wall construction, if more than thirty (30) days will expire between delivery and installation.
B. Store window units in an upright position in a clean and dry storage area above ground and protect from weather under provisions of Section 01660.

1.9 WARRANTY

A. The following limited warranty is subject to conditions and exclusions. There are certain conditions or applications over which Marvin has no control. Defects or problems as a result of such conditions or applications are not the responsibility of Marvin. For a more complete description of the Marvin limited warranty, refer to the Marvin Windows and Doors Ten-Year Limited Warranty.
B. Windows shall be warranted to be free from defects in manufacturing, materials, and workmanship for a period of ten (10) years from purchase date.
C. Insulating glass shall be warranted against visible obstruction through the glass caused by a failure of the insulating glass air seal for a period of twenty (20) years from the date of original purchase.

PART 2 PRODUCTS

2.1 MANUFACTURED UNITS

A. Description: Factory assembled Clad Ultimate Replacement Casement/Awning, operating exterior swing or push out window on Casement and a top pivoting window or push out on the Awning (and related stationary or picture units) as manufactured by Marvin Windows and Doors, Warroad, Minnesota.

2.2 FRAME DESCRIPTION

A. Interior: Clear pine or finger jointed core with clear pine veneer.
B. Kiln dried to moisture content no greater than twelve (12) percent at the time of fabrication.
C. Water repellent preservative treated in accordance with WDMA I.S.4.
D. Frame thickness: 1 3/16 inches (30 mm).
E. Frame Depth: Overall 3 ¼ inch jambs (83mm) for replacement applications, and 2 3/16 inch jamb depth from the nailing fin plane to the interior face of the frame for new construction.
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F. Frame Bevel: Standard is no bevel.
G. Frame exterior clad with 0.050 inch (1.3 mm) thick extruded aluminum.

2.3 SASH DESCRIPTION

A. Clear pine standard.
   a. Kiln dried to moisture content no greater than twelve (12) percent at the time of fabrication.
   b. Water repellent preservative treated in accordance with WDMA I.S.4.
B. Sash thickness: 1-5/8 inches (41 mm).
C. Sash exterior clad with 0.050 inch (1.3 mm) thick extruded aluminum.

2.4 GLAZING

A. Select quality complying with ASTM C 1036. Insulating glass SIGMA / IGCC certified to performance level CBA when tested in accordance with ASTM E 2190.
B. Glazing method: Insulated glass (Altitude adjusted).
C. Glass type: Tempered; Obscure; Laminated; LoE² 272® with Argon.
D. Glazing seal: Silicone bedding at interior and exterior.

2.5 FINISH

A. Exterior: Aluminum clad. Fluoropolymer modified acrylic topcoat applied over primer. Meets or exceeds AAMA 2605 requirements.
B. Color: Cadet Gray
C. Interior: Treated bare wood to be stained and finish applied to match first floor stain color and finish.

2.6 HARDWARE

Casement: Factory installed operating hardware:

A. Locks:
   a. Crank Out: Uses a multipoint sequential concealed locking system in the jamb opposite the hinge side for casement units. Standard tie bars and cams—steel coated with E-Gard™. Standard keepers—steel coated with E-Gard™. Keeper features a roller for reduce average lock force and does not easily disengage with the cam even under severe loading.
      i. To be used for sash application where sash is in the upper frame of the opening. This condition exists on the first floor common room on the north elevation at the north entry door.
   b. Push Out: Uses a multipoint sequential lock system mounted flush to the side of the sash stile. The lock system is actuated by a single lock handle mounted on the interior face of the stile. A Friction limiter is used to hold the sash in place and allow sash to lock open at multiple locations.
      i. To be used for sash application in all other locations.
B. Handles:
   a. The standard operator handle set is a folding handle, zinc painted with the standard folding Bronze (painted).
C. Hinges:
D. Hinges (Crank Out and Push Out):
   a. One at the sill to bottom rail, one at the head jamb to top rail. Hinges are steel coated with E-Gard™. Hinge track is stainless steel. Frame OM widths 20" to under 24" available with 18" wash/egress hinge. Frame OM widths 24" and greater use 22" wash/egress hinge to allow sash to slide across the frame opening which causes the sash exterior to rotate towards the user for easy wash ability. Hinges are designed to handle up to a 145 lbs. sash.
E. Crank Out operating hardware:
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a. Single arm standard coated with E-Gard™. Units under 20” frame OM width use dyad operator.
F. Push Out operating hardware:

Awning:

A. Hinges: There are two hinges that connect the stiles of the sash to the jambs of the frame. Hinges are steel coated with E-Gard™, and the hinge track is stainless steel.
B. Operating Hardware: Single arm standard stainless steel coated with E-Gard™.
C. Handles: The standard operator handle set is a folding handle, zinc painted with the standard folding cover being molded plastic. Color: Bronze (painted).
D. Locks: Are multi-point sequential concealed locking system in both jambs. Standard tie bar, cams and keepers are steel coated with E-Gard™.

2.7 WEATHER STRIP

A. Weather strip at frame is a hollow foamed material bent around 90 degree corner to allow for seamless corner joints beige in color. Sash weather strip is bulb shaped glass filled material – black.

2.8 JAMB EXTENSION

A. Jamb Extensions are available for various wall thickness factory applied up to 12” (305) wide.
B. Finish: Match interior frame finish.

2.9 INSECT SCREENS

A. Factory installed. Screen mesh, 18 X 16: Charcoal fiberglass; Charcoal aluminum wire; Black aluminum wire. Identify manufacturer's standard with no upcharge for mesh type.
B. Aluminum frame finish: Bronze.
C. Optional wood screen surround with standard Hi-Tran fiberglass screen mesh.

2.10 GRILLES-BETWEEN-THE-GLASS (GBG)

A. 11/16” (17 mm) white contoured aluminum bar.
B. Exterior Colors: SPECIAL – Cadet Gray. If upcharge for Cadet Gray; provide Bronze.
C. Interior Colors: White is the default color. Optional Colors: Bronze. Identify if Bronze is an upcharge.

2.11 ACCESSORIES AND TRIM

D. Aluminum Extrusions:
   a. Profile: Frame expander; Aluminum accessory kerf cover as indicated on drawings.
   b. Finish: Fluoropolymer modified acrylic topcoat applied over primer. Meets or exceeds AAMA 2605 requirements.
   c. Color: Cadet Gray

PART 3 EXECUTION

3.1 Examination

A. Verification of Conditions: Before Installation, verify openings are plumb, square, and of proper dimension as required in Section 01 71 00. Report frame defects or unsuitable conditions to the General Contractor before proceeding.
B. Acceptance of Conditions: Beginning of installation confirms acceptance of existing conditions.

3.2 INSTALLATION

A. Comply with Section 01 73 00.
B. Assemble and install window unit/s according to manufacturer’s instructions and reviewed shop drawings.
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C. Install sealant and related backing materials at perimeter of unit or assembly in accordance with Section 07 92 00 Joint Sealants. Do not use expansive foam sealant.
D. Install accessory items as required.
E. Use finish nails to apply wood trim and mouldings.

3.3 CLEANING

A. Remove visible labels and adhesive residue according to manufacturer’s instructions.
B. Leave windows and glass in a clean condition. Final cleaning as required in Section 01 74 00.

3.4 PROTECTING INSTALLED CONSTRUCTION

A. Comply with Section 01 76 00.
B. Protect windows from damage by chemicals, solvents, paint, or other construction operations that may cause damage.

END OF SECTION