



**Town of LeRay  
Existing Highway Garage Building Renovations  
Project No. 2020-057**

**Addendum No. 1  
July 29, 2024**

This addendum is hereby made part of the Contract Documents as though it were originally included therein and must be acknowledged by the bidder in the proper place on the bid form.

**Contract Specifications**

**1. Reference Technical Specifications, Notice To Bidders:**

A. **DELETE** the following "Sealed Bid Proposals will be received until 2:00 p.m. prevailing time, on Thursday August 1, 2024." **SUBSTITUTE** the revised "Sealed Bid Proposals will be received until 2:00 p.m. prevailing time, on Thursday August 8, 2024."

**2. Reference Specification Section 08 5113 Aluminum Windows:**

A. **DELETE** specification section 08 5113 Aluminum Windows in its entirety. Aluminum windows to be changed to vinyl in this addendum.

**3. Reference Technical Specifications**

A. **ADD** the attached Specification Section **08 5313 Vinyl Windows**. Aluminum windows to be changed to vinyl in this addendum.

**Contract Drawings**

**4. Reference Sheet No. A100 Floor Plans:**

A. **DELETE** the following in the door schedule under fire rating for doors 103E and 103F, "45 Min". **SUBSTITUTE** with "3 hour". Fire rating for doors 103E and F to be 3 hours.

Respectfully submitted,

BCA Architects & Engineers,

Bryan T. Cowell, R.A.

Associate Principal/Architect

BTC

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**SECTION 08 5313  
VINYL WINDOWS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Vinyl-framed, factory-glazed windows.
- B. Operating hardware.
- C. Insect screens.

**1.02 RELATED REQUIREMENTS**

- A. Section 07 9005 - Joint Sealers: Perimeter sealant and back-up materials.

**1.03 REFERENCE STANDARDS**

- A. AAMA/WDMA/CSA 101/I.S.2/A440 - North American Fenestration Standard/Specification for Windows, Doors, and Skylights.
- B. ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position; 1998.
- C. ASTM D 1929 - Standard Test Method for Determining Ignition Temperature of Plastics; 1996.
- D. ASTM D 4726 - Standard Specification for Rigid Poly(Vinyl Chloride)(PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors; 2001.
- E. ASTM E 774 - Standard Specification for the Classification of the Durability of Sealed Insulating Glass Units; 1997.
- F. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2009).

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal process.
- B. Product Data: Provide component dimensions, anchorage and fasteners, glass, internal drainage details, and hardware.
- C. Shop Drawings: Indicate opening dimensions, framed opening tolerances, affected related Work, and installation requirements.
- D. Manufacturer's Certificate: Certify that products of this section meet or exceed specified requirements.
- E. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

**1.05 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this Section, with not less than 5 years of documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this Section with minimum 5 years of experience.

**1.06 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer's Warranty: Furnish manufacturer's transferable Lifetime Limited Warranty on manufacturing defects plus SureStart(tm) protection that covers the cost of materials and labor to repair or replace a defective window or door in the first 5 years following installation.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Vinyl Windows:
  - 1. MI Windows.
  - 2. MI Windows: Product - Horizontal Sliders V4500; Single Hung V4500
  - 3. Or approved equal.
  - 4. Substitutions: See Section 01 6000 - Product Requirements.

## 2.02 VINYL WINDOWS

- A. Vinyl Windows: Factory fabricated frame and sash members of extruded hollow ultra-violet-resistant polyvinyl chloride (PVC) with integral color; with factory-installed glazing, hardware, related flashings, and anchorage and attachment devices.
  - 1. Configuration: As indicated on Drawings with horizontal sliding and single hung sash.
  - 2. Color: Color as selected.
  - 3. Size to fit openings with minimum clearance around perimeter of assembly but still providing adequate space for perimeter seals.
  - 4. Framing Members: Fusion welded corners and joints with internal reinforcement where required for structural rigidity; concealed fasteners.
  - 5. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, or migrating moisture occurring within system.
  - 6. Glazing Stops, Trim, Flashings, and Accessory Pieces: Formed of extruded PVC, fitting tightly into frame assembly.
- B. Performance Requirements: Provide products that comply with the following:
  - 1. Thermal Resistance of Assembly: R value of [3.22].
  - 2. Water Leakage: None, when measured in accordance with ASTM E331.

## 2.03 COMPONENTS

- A. Glazing: Double glazed, bronze tinted, low-E coated, argon filled, with glass thicknesses as recommended by manufacturer for specified wind conditions.
- B. Window Frame and Sash Members: Impact resistant, exterior grade polyvinyl chloride extrusions complying with AAMA 303 and ASTM D 4726.
  - 1. Ignition Temperature: Minimum of 824 degrees F when tested in accordance with ASTM D 1929.
  - 2. Flammability: Burn time of less than 5 seconds and burn distance of less than 10 mm when tested in accordance with ASTM D 635.
  - 3. Non-corroding, non-flaking, non-chipping, non-rotting; no electrical conductance; low thermal conductance.
  - 4. Minimum External Wall Thickness: 0.070 inch nominal.
  - 5. Finish of Surfaces Exposed to View: Solid vinyl with smooth gloss finish and uniform consistent color. Color to be selected by Architect.
- C. Insect Screens: Extruded aluminum frame with mitered and reinforced corners; screen mesh taut and secure to frame; secured to window with adjustable hardware allowing screen removal without use of tools.
  - 1. Hardware: Spring loaded steel pins; four per screen unit.
  - 2. Screen Mesh: Vinyl-coated fiberglass, window manufacturer's standard mesh.
  - 3. Frame Finish: Baked enamel, color to match window interior color.
- D. Weatherstripping: Double-row high-density polypropylene pile, with polypropylene fin.
- E. Fasteners: Stainless steel.
- F. Sash lock: Lever handle with cam lock.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify wall openings and adjoining air and vapor seal materials are ready to receive Work of this Section.

### 3.02 INSTALLATION

- A. Install window units in accordance with manufacturers instructions.
- B. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.
- C. Align window plumb and level, free of warp or twist. Maintain dimensional tolerances and alignment with adjacent Work.

### 3.03 ADJUSTING

- A. Adjust hardware and window for smooth operation and secure weathertight closure.

**3.04 CLEANING**

- A. Remove protective material from pre-finished surfaces.
- B. Wash surfaces by method recommended and acceptable to sealant and window manufacturer; rinse and wipe surfaces clean.
- C. Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

**END OF SECTION**

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