

**ITEM 599.0609--12 M                      WOOD WINDOWS**

**DESCRIPTION**

The work shall consist of removing existing windows, frames and accessories, and installing all new wood windows, trim and accessories.

Existing casement windows shall be salvaged and returned to the NYS Canal Corporation.

**MATERIALS**

Provide window units meeting requirements of these specifications as manufactured by Marvin Windows, Pella or Pozzi custom fabricated to existing opening size.

- Type:                                      Wood frame, double hung, tilt-in type with factory finish including trim.
- Frame:                                      Fingerjoint edge-glued Western Ponderosa pine kiln dried to a moisture content of 6-12% at time of fabrication. Water repellent, preservative treated in accordance with National Wood Window and Door Association (NWWDA) I.S.4. Frame thickness 17 mm (jambs and header) and 33 mm (sill). Frame jamb width 116 mm.
- Sash:                                        Clear Western Ponderosa pine kiln dried to a moisture content of 6-12% at time of fabrication. Water repellent, preservative treated in accordance with NWWDA I.S.4. Sash thickness 33 mm, sash stile width 29 mm. Corners slot and tenoned.
- Jamb Extensions:                        Provide factory applied jamb extensions to match wall thicknesses.
- Exterior Wood Trim:                    Provide 32mm mould casing and sills as indicated in elevation and detail.  
(width)
- Hardware:                                The balancing system shall be coil spring block and tackle system, with nylon cord and steel clutch. The hardware shall consist of a vinyl extrusion with a foam backing. Both sashes shall tilt into the room for cleaning or removal for reglazing or painting without removing exterior screen. Check rail lock shall be a high pressure zinc die-cast with heavy gauge steel keeper and lock base. Lock shall employ a cam-lock mechanism. Lock and lift finish shall be a phosphate coat and electrostatically painted, bronze baked enamel.
- Glass:                                      All glass shall comply with Federal Specification DD-G-451D, ASTM, C-1036-85.
- Insulating glass shall conform to ASTM E-774-83
- Glazing Seal:                            Silicone bedding glazed by means of removable wood stops.

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- Muntin Bars: Interior and exterior muntin bars shall be solid 32mm wide clear pine, water repellent, preservative treated per WDMA-I-S-4. Bars shall be adhered to both sides of the insulating glass with acrylic adhesive tape and aligned with foam grid.
- Weatherstripping: Continuous leaf-type PVC weatherstrip at header part stop which seals against top sash. Dual durometer double leaf PVC at check rail, and bulb type dual durometer weatherstripping at bottom rail.
- Screen: Provide exterior screens. Aluminum screen cloth, 18 x 16 mesh, set in 10 mm x 19 mm (3/8" x 3/4") heavy wall aluminum screen framing.
- Exterior Finish: Manufacturer's factory applied primer.
- Interior Finish: Unfinished, ready for site finishing.
- Quality Assurance And Compliance: Units shall comply with requirements of ANSI/NWWDA I.S.2-87 Industry Standard for wood windows, Grade 20/40.

**CONSTRUCTION DETAILS**

Remove existing window units and shall be turned over to the NYS Canal Corporation. Windows to be turned over to the Canal Corporation shall be loaded on State trucks by the Contractor at the job site as arranged by the Engineer.

Install new units in existing openings. Set units plumb, level and true to line. Provide support and anchor into place. Adjust all hardware to provide smooth operation with tight weatherproof closure. Protect all work until final acceptance.

**METHOD OF MEASUREMENT**

The work for this item will be measured as each window installed regardless of size.

**BASIS OF PAYMENT**

The unit price bid per window shall include the cost of all labor, materials, and equipment required to complete the work of this item.