

SECTION 085313

VINYL WINDOWS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Vinyl windows.
- B. Glass and framed insect screens.
- C. Grilles

1.2 SYSTEM DESCRIPTION/QUALITY ASSURANCE

- A. Window units are to meet the AAMA/NWWDA 101/I.S.2-97 standard. The standard was created by the American Architectural Manufacturers Association (AAMA) and the national Wood Window and Door Association (NWWDA). The minimum acceptable performance classification being H-C-50. Window units must have a maximum U value of .28 and an air infiltration rate of .3 CFM per sq. ft. of sash area. All operable windows are to be provided with full aluminum mesh screens.
- B. Certification: All vinyl windows shall be delivered to the site bearing the certification label of conformance to AAMA Standards.

1.3 SUBMITTALS

- A. Shop Drawings: Indicate dimensions, relation to construction of adjacent work, air and vapor seal with adjacent construction, component anchorage and locations, anchor methods, shim methods and materials, hardware, and installation details.

1.4 WARRANTY

- A. Provide 25-year warranty under provisions of Section 01001 including coverage for insulated glass units. Five-year factory labor included.

PART 2 PRODUCTS

2.1 WINDOW UNITS

- A. Window Unit Manufacturers: Equal to Paradigm Unitel Series 8382 Single Hung Window.
- B. Window Configuration: Single and Twin, Single Hung, Fixed
- C. Color: White or as noted on the Window Schedule.

2.2 FRAME MATERIALS AND ACCESSORIES

- A. PVC Extrusions: .062" nominal wall thickness.
- B. Sills: PVC - sloped for positive wash, one-piece full width of opening and jamb angles to

terminate sill length.

- C. Insect Screen Frames: Rolled aluminum, of rectangular sections with aluminum mesh set into frame and secured. Fit frames with adjustable roller hardware.
- D. Grilles: Contoured Grid – White or beige as selected by the Owner.
- E. Weather Stripping: Foam type configured for flexible fit.
- F. Sealant and Backing Materials: As specified in Section 079200.
- G. Anchor Devices: Non-corroding.

2.3 GLASS AND GLAZING MATERIALS

- A. Glass and Glazing Materials in Window Lights: Manufacturer’s Argon Filled Insulated Low E Glass, except as noted on the Drawings or required by code.

2.4 HARDWARE

- A. Single Hung Sash: Spiral friction slide cylinder, each sash, each jamb.
- B. Sash lock: Lever handle with cam lock.
- C. Insect Screen Frames: Rolled aluminum, of rectangular sections with aluminum mesh set into frame and secured. Fit frames with adjustable roller hardware.

2.5 FABRICATION

- A. Fabricate framing, mullions and sash members to create a weather tight seal.
- B. Form glass stops of extruded PVC to match cladding sloped for wash. Form weather stop flange to perimeter of unit.
- C. Assemble insect screens of formed aluminum rectangular sections with aluminum mesh set into frame and secured. Fit frame with four spring loaded pin retainers.
- D. Double weather-strip operable units.

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Verify that rough openings are correctly sized and located.
- B. Prepare opening to permit correct installation of frame and achieve continuity of air and vapor barrier seal.

3.2 INSTALLATION

- A. Install frames, glazing, hardware and flashings in accordance with manufacturer's instructions.

- B. Use anchorage devices to securely attach frames to structure.
 - C. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
 - D. Coordinate attachment and seal of air and vapor barrier materials. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
 - E. Install perimeter type sealant, backing materials, and installation requirements in accordance with Section 079200.
 - F. Clean windows.
- 3.3 Schedule – See Window Schedule

END OF SECTION