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### 085200 - Wood Windows

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## **SECTION 08 5200 - WOOD WINDOWS**

### 1.1 SUMMARY

- A. This Section includes fixed and operable wood-framed windows of the following type:
- B. Quality: All Windows shall be HC.
  - 1. Unfinished.
- C. Warranty: Windows shall be warranted for a period of three years, all parts and labor.

### 1.2 DEFINITIONS

- A. Performance class designations according to AAMA/WDMA 101/I.S.2/NAFS:
  - 1. AW: Architectural.
  - 2. HC: Heavy Commercial.
  - 3. C: Commercial.
  - 4. LC: Light Commercial.
  - 5. R: Residential.
- B. Performance grade number according to AAMA/WDMA 101/I.S.2/NAFS:
  - 1. Design pressure number in pounds force per square foot (Pascals) used to determine the structural test pressure and water test pressure.
- C. Structural Test Pressure: For uniform load structural test, is equivalent to 150 percent of the design pressure.
- D. Minimum Test Size: Smallest size permitted for performance class (gateway test size). Products must be tested at minimum test size or at a size larger than minimum test size to comply with requirements for performance class.

### 1.3 SUBMITTALS

- A. LEED Submittal:
  - 1. Certificates for Credit MR 7: Chain-of-custody certificates certifying that wood windows comply with forest certification requirements. Include evidence that manufacturer is certified for chain of custody by an FSC-accredited certification body.
    - a. Include statement indicating costs for each certified wood product.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A manufacturer capable of fabricating wood windows that meet or exceed performance requirements indicated and of documenting this performance by inclusion in lists and by labels, test reports, and calculations and who is certified for chain of custody by an FSC-accredited certification body.
- B. Forest Certification: Provide windows made with not less than 70 percent of wood products obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."
- C. Energy: Windows shall meet or exceed the latest NH Energy Code requirements.

1.5 MANUFACTURERS

- A. Manufacturers of Unfinished Wood Windows:
  - 1. Cheviot Corporation.
  - 2. BiltBest Windows and Patio Doors.
  - 3. Crestline; a brand of Peachtree Companies, Inc. (The); TPC Acquisition, Inc.
  - 4. EAGLE Window & Door, Inc.; an American Architectural Products Corporation Company.
  - 5. Hurd Millwork Company.
  - 6. Kolbe & Kolbe Millwork Co., Inc.
  - 7. Marvin Windows and Doors.
  - 8. Pella Corporation.
  - 9. Pozzi Custom Collection; JELD-WEN, Inc.
  - 10. Weather Shield Mfg., Inc.

1.6 MATERIALS

- A. Wood: American/Honduran Mahogany.
- B. Fasteners: Aluminum, nonmagnetic stainless steel, epoxy adhesive, or other materials warranted by manufacturer to be noncorrosive and compatible with wood window members, cladding, trim, hardware, anchors, and other components.
  - 1. Exposed Fasteners: Unless unavoidable for applying hardware, do not use exposed fasteners. For application of hardware, use fasteners that match finish of member or hardware being fastened, as appropriate.
- C. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions; provide sufficient strength to withstand design pressure indicated.

1.7 WINDOW

- A. Window Types:

1. Double-hung.
2. Fixed.
3. Fixed transoms.
4. Hoppers.

#### 1.8 GLAZING

- A. Glass: Clear, insulating-glass units, with low-E coating pyrolytic on second surface or sputtered on second or third surface.

#### 1.9 HARDWARE

- A. General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, carbon steel complying with AAMA 907, or other corrosion-resistant material compatible with wood; designed to smoothly operate, tightly close, and securely lock wood windows, and sized to accommodate sash or ventilator weight and dimensions. Do not use aluminum in frictional contact with other metals. Where exposed, provide extruded, cast, or wrought aluminum.

#### 1.10 INSECT SCREENS

- A. Provide new screens at lower sash.
  1. Aluminum Wire Fabric: 18-by-16 (1.1-by-1.3-mm) mesh of 0.011-inch- (0.28-mm-) diameter, coated aluminum wire. Wire Fabric Finish: Black.
- B. Wood frame shall be painted American/Honduran Mahogany.

#### 1.11 WOOD FINISHES

- A. Factory-Primed Windows: Provide manufacturer's standard factory-prime coat complying with WDMA T.M. 11 on exposed exterior and interior wood surfaces.
  1. Two coats of finish paint shall be applied in the field.

END OF SECTION 08 5200