

Section 085200 : RE-MOVEABLE WOOD STORM / SCREEN WINDOWS

Part 1 – GENERAL

1.1 SUMMARY

A. This Section includes fabrication of exterior wood storm and screen windows.

1.2 RELATED SECTIONS

A. Section “ Glass and Glazing ”

1.3 SUBMITTALS

A. Product Data: For each type of wood storm indicated.

Options:

Traditional Storm or Traditional Screen
Combination Storm / Screen
Combination Plus Storm / Screen
Three Part Storm / Screen

B. Shop Drawings: Includes plans, elevations, sections. Samples if requested.

1.4 QUALITY ASSURANCE

A. Contractor shall field measure and verify all openings prior to fabrication.

B. Installer: A qualified installer, approved by the manufacturer to install manufacturer’s product.

C. Glazing Publications: Comply with published recommendations of glass manufacturers and with GANA’s “Glazing Manual” unless more stringent requirements are indicated.

D. Carpenters and finishers must be skilled craftsmen with proven experience in their respective trades.

E. Mockups: Mockups or sample installation may be available to verify selections made under sample submittals and to demonstrate aesthetic and set quality standards for materials and execution.

F. Approved Storage: Contractor must have sufficient storage space to properly store windows with exposure to unusual environmental conditions that vary significantly from in-place conditions. Windows shall not be placed in exposure to excessively wet, humid, or dry conditions, nor where there is any risk of being in standing water or in leaky roof conditions. Architect shall be allowed an inspection and approval of storage location and conditions.

1.5 Warranty

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within the specified warranty period.
1. Failures include, but are not limited to, the following:
 - a. Failure to meet performance requirements.
 - b. Structural failures including excessive deflections, water leakage, air infiltration, or condensation.
 - c. Deterioration of wood, metals, other materials, and finishes beyond normal weathering.
 2. Warranty Period
 - a. Window: Two years from date of substantial completion

Part 2 – Products

2.1 Manufacturers

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- 1.) Adam's Architectural Millwork Co., Dubuque, IA

2.2 Materials

- A. Wood: Clear pine or another suitable fine-grained lumber, kiln dried to a moisture content of 6 to 12 percent at of fabrication: free of finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch (0.8 mm) deep by 2 inches (51 mm) wide.

Options:

- Spanish Cedar
 - Mahogany
 - Sapele
 - Other species
- B. All wood is preservative treated to meet AWI 100-S-4 (NWWDA IS 4-8)
- C. Putty
Note: Allow glazing compound to cure to have a skin on the exterior to allow for prime and paint adhesion.
- D. Screen Material

1.) Charcoal Aluminum

Options:

- Different colors of aluminum screening: Bright Aluminum, Black Aluminum,
- Bronze Screen
- Brass Screen
- Fiberglass

2.3 Storm / Screen Sash

A. Window Type: As indicated on Drawing.

B. Comply with AWI's "Architectural Woodwork Quality Standards," and with other requirements specified.

2.4 Glazing

A. Glass: Clear, single-pane glass units to be putty glazed. - OR -

Option:

Double Strength Glass
Tempered Glass
Hard Coat Low-E Glass

B. Glazing System: Manufacturer's standard factory-glazing system that produces weather tight seal.

2.5 Muntins (*Optional*)

A. Muntins: Provide tru-divided lites in designs indicated for each sash lite on Drawings.

1. Material: Primed Wood

2. Design: Adams Architectural standard profile

Option: Match existing (replicate)

2.6 Hardware

A. Storm / Screen Hanger Set

1. Stanley Hardware Storm & Screen Hanger Set, Zinc Plated 74-8000

Option:

1. Snap Fastners

2. Extension Arms

2.7 Fabrication

- A. Fabricate wood windows that are putty glazed.
- B. Glue: Titebond 2 Premium Wood Glue, exterior grade, weather – resistant, ideal for exterior applications

2.8 Shop Priming

Sherwin Williams Sher-Wood 2400 Millwork Primer. Prime should be top coated as soon as possible, maximum 30 days. Allow glazing compound to cure to have a skin on the exterior to allow for prime and paint adhesion.

- A. Shop prime surfaces of sash, frames, and brick mould as specified with high quality Latex primer. Back prime.
- B. Finish coats of paint not offered be manufacturer. Will be offered through general contractors painting contractor.

Part 3 – EXECUTION

3.1 Installation

- A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing windows, hardware, accessories, and other components.
- B. Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
- C. Set all members in bed of sealant or with gaskets, as indicated, for weather tight construction.
- D. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.
- E. Adjust storms / screens, hardware, and accessories for a tight fit at contact points and weather stripping for smooth operation and weather tight closure.
- F. Clean exposed surfaces immediately after installing windows. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.

G. Clean factory-glazed glass immediately after installing windows. Comply with manufacturer's written recommendations for final cleaning and maintenance. Remove non-permanent labels, and clean surfaces.

H. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

End Section 085200