

Philadelphia VA Medical Center  
Replacement of AC-19 and Laboratory  
Renovation  
Philadelphia, PA 19104

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Issued for Bid  
VA Project No. VA244-P-1786  
Array Project No. 3515

SECTION 08 56 19

PASS THROUGH WINDOWS

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies sliding glass counter mounted pass windows.

1.2 RELATED WORK

- A. Glass and Glazing: Section 08 80 00, GLAZING.
- B. Fire-Rated pass window: Section 08 51 00, Fire Rated Steel Windows.

1.3 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to extend referenced. Publications are referenced in text by basic designation only.
- B. American Society for Testing and Materials (ASTM):
  - 1. B221/221M-08 Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes and Tubes (Metric)
  - 2. C509-06 Elastomeric Cellular Preformed Gasket and Sealing Material
- C. American Society of Mechanical Engineers (ASME):
  - 1. B18.6.4-98(R2005) Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws
- D. Master Painters Institute (MPI):
  - 1. MPI #18 Organic Zinc Rich Coating
- E. National Association of Architectural Metal Manufacturers (NAAMM):
  - 1. AMP 500 Series Metal Finishes Manual
  - 2. AMP 500 Introduction to Metal Finishing
  - 3. AMP 501 Finishes for Aluminum

PART 2 - PRODUCTS

2.1 MATERIAL

- A. Aluminum Extrusions:
  - 1. ASTM B 221 M.
  - 2. Alloy and temper recommended by window manufacturer for strength, corrosion resistance, and application of required finish, but not less than 150 MPa (22,000 psi) ultimate tensile strength, and yield of 110 MPa (16,000 psi).
  - 3. Aluminum alloy used for colored anodic coating as required to produce specified color.
- B. Paint: MPI #18.

C. Glazing Gaskets: ASTM C 509.

## 2.2 SLIDING GLASS PASS WINDOWS, COUNTER MOUNTED

- A. Fabricate sliding glass sash and frames of extruded aluminum with corners mitered.
- B. Fabricate sash to receive 6 mm (1/4 inch) thick glass.
- C. Fabricate sliding sash of "H" channel molding at bottom edges including concealed nylon rollers at bottom set on track and guides at top set into track.
- D. Provide sash with pin tumbler lock and two keys.
- E. Provide sash with finger slot on vertical edge.
- F. Fabricate frame with channel sash slot, bottom roller track, and top guides.
- G. Sash may be factory or field glazed using glazing gaskets.
- H. Use concealed screws in assembly.
- I. Finish:
  - 1. Comply with NAAMM AMP 500 Series.
  - 2. Clear anodic coating, Class II Architectural 0.4 mills thick, AA-C22A41.
  - 3. Colored anodic coating, Class II, Architectural, 0.4 mills thick, AA-C22A42.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Install in pass window opening level and plumb.
- B. Secure with screws to opening; ASME B18.6.4.
  - 1. Screw within 100 mm (4 inches) of ends.
  - 2. Space screws not over 600 mm (24 inches) between end screws.
- C. Coat aluminum in contact with steel with one coat of MPI No. 18.
- D. Clean unit of dust and markings.

### 3.2 OPERATION

- A. Adjust to roll smoothly and stay in position where stopped.
- B. Demonstrate to Resident Engineer operation and locking.
- C. Turn keys with key tags over to Resident Engineers.

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