

SECTION 08 56 19
PASS WINDOWS

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies swinging glass counter mounted pass windows.

1.2 RELATED WORK

A. Glass and Glazing: Section 08 80 00, GLAZING.

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):

B221/221M-06.....Aluminum and Aluminum- Alloy Extruded Bars,
Rods, Wire, Shapes and Tubes (Metric)

C509-06.....Elastomeric Cellular Preformed Gasket and
Sealing Material

C. American Society of Mechanical Engineers (ASME):

B18.6.4-98(R2005).....Thread Forming and Thread Cutting Tapping
Screws and Metallic Drive Screws

D. Master Painters Institute (MPI):

MPI #18.....Organic Zinc Rich Coating

E. National Association of Architectural Metal Manufacturers (NAAMM):

AMP 500 Series.....Metal Finishes Manual

AMP 500.....Introduction to Metal Finishing

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).

B. Glazing Gaskets: ASTM C 509.

2.1 SWINGING GLASS PASS WINDOWS, COUNTER MOUNTED

A. Fabricate swinging glass sash and frames of extruded aluminum with corners mitered.

- B. Fabricate sash to receive 6 mm (1/4 inch) thick glass.
- C. Provide aluminum plate hinges for each sash.
- D. Provide sash with pin tumbler lock and two keys.
- E. Provide aluminum handle for each sash.
- F. Fabricate frame with extruded stop at jambs.
- G. Sash may be factory or field glazed using glazing gaskets.
- H. Use concealed screws in assembly.
- I. Provide self-closing hardware.
- J. Provide seals at sash meeting edge and where sash meets framing to limit air infiltration.
- K. Provide stainless steel shelf at pass window sill.
- L. Finish:
 - 1. Comply with NAAMM AMP 500 Series.
 - 2. Clear anodic coating, Class II Architectural 0.4 mills thick, AA-C22A41.

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 swing smoothly and to self-close.
- B. Demonstrate to COTR (Contracting Officer's Technical Representative, having approval of the Contracting Officer) the operation and locking of pass windows.
- C. Turn keys with key tags over to COTR (Contracting Officer's Technical Representative having approval of the Contracting Officer).

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