SECTION 08 56 19
PASS-THROUGH WINDOWS

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies glass above counter pass-through windows.

1.2 RELATED WORK

A. Color of factory finish: Section 09 06 00, SCHEDULE FOR FINISHES.

B. 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-08.....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).

3. Aluminum alloy used for colored anodic coating as required to produce specified color.

B. Paint: MPI #18.

C. Glazing Gaskets: ASTM C 509.

2.1 GLASS PASS-THROUGH WINDOWS, ABOVE COUNTER

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

B. Fabricate window to receive 6 mm (1/4 inch) thick one-way tempered mirror glass.

C. Fabricate window with pass-through opening at counter.

D. Window may be factory or field glazed using glazing gaskets.

E. Use concealed screws in assembly.

F. 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-through 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.

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