

SECTION 08 56 59
SERVICE AND TELLER WINDOW UNITS

PART 1 - GENERAL

1.1 DESCRIPTION:

- A. Manufacturer's standard commercial product, complete with bullet resistant glazing material, frames, counters with deal trays and other features as specified.
- B. Location:
 - 1. Dispatch Room

1.2 RELATED WORK:

- A. Section 08 80 00, GLAZING
- B. Section 11 17 36, PACKAGE TRANSFER UNITS

1.3 SUBMITTALS:

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Shop Drawings: Service windows, showing design, construction and installation.
- C. Manufacturer's Literature and Data: Service windows.
- D. Manufacturer's Certificates: Certificates stating that service windows meet the requirements of UL 752 for the specified power rating.
- E. Certification that units comply with requirements for levels of resistance specified and meets requirements of Certification Standards Forced Entry and Ballistic Resistance of Structural Systems.

1.4 APPLICABLE PUBLICATIONS:

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society for Testing Materials (ASTM):
 - A167-99(R2009) Stainless and Heat Resisting Chromium-Nickel Steel Plates, Sheet, and Strip.
- C. The National Association of Architectural Metal Manufacturers (NAAMM):
 - AMP 500-06 Metal Finishes Manual
- D. Underwriters Laboratories Inc. (UL):
 - 752-05 Bullet-Resisting Equipment.
- E. United States Department of State Bureau of Diplomatic Security (DS):
 - Certification Standard for Forced Entry and Ballistic Resistance of Structural Systems

PART 2 - PRODUCTS**2.1 MATERIALS:**

- A. Stainless Steel: ASTM A167, Type 302 or 304.
- B. Bullet Resistive Glazing: Use bullet resistant assembly UL 752, Power Rating for Super-Small Arms ballistic level; UL Level 3, glazing assembly G30, G31 or G32 as specified in Section 08 80 00, GLAZING.

2.2 FABRICATION:

- A. Fabricate service windows to conform to UL 752, Power Rating for Super-Small Arms UL Level 3. Also provide resistance of 5 minutes for forced entry using basic hard tools.
- B. Frames:
 - 1. Steel as defined in Section 08 11 13 METAL DOORS AND FRAMES and not less than 3 mm (0.1094 inch) thick.
 - 2. Continuous around each opening and with integral glazing stop on corridor side and removable glazing stop on the opposite side.
 - 3. Miter and weld removable stops at corners, and secure to frames with countersunk screws, spaced as required for power rating protection.
 - 4. Provide voice communication baffled jamb openings with glazing frame.
 - 5. Provide three anchors per jamb; anchor types shall be designed to be compatible with the wall construction.
- C. Sill:
 - 1. Steel as defined in Section 08 11 13 METAL DOORS AND FRAMES and not less than 3 mm (0.1094 inch) thick.
 - 2. Sill to project full width of opening to edge of jamb.
- D. Glazing:
 - 1. Factory set and glaze bullet resistive glazing material in steel continuous channel frame not less than 3 mm (0.01094 inch) thick.
 - 2. Secure channel frame to service window frame permitting expansion and contraction.
- E. Finish on Steel: to match frame finish defined in Section 08 14 00 METAL DOORS AND FRAMES.

PART 3 - EXECUTION**3.1 INSTALLATION:**

- A. Install service windows in accordance with manufacturers installation instructions. Securely anchor to masonry and join frame components as shown on shop drawings.
- B. Set units accurately, plumb, and level.
- C. After installation, clean window unit and protect from damage until completion of project.

- - - E N D - - -