SECTION 08 56 59
SERVICE AND TELLER WINDOW UNITS

SPEC WRITER NOTE:
1. Delete between //_____// if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs.
2. Refer to VA Standard Details.

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. Pharmacy. //
   //2. Agent Cashier. //
   //3. Credit Union. //
   //4. Guard Booth. //
   //5. Other Location. //

1.2 RELATED WORK:
A. Doors and frames of a forced entry/ballistic resistant rated: Section 08 34 53, SECURITY DOORS AND FRAMES.
B. Metal shutter attached to room side of service window frame in fire rated or smoke partitions: Section 08 33 13, COILING COUNTER DOORS.
C. Windows and frames of a forced entry/ballistic resistant rated: Section 08 56 53, SECURITY WINDOWS.
D. Specification for bullet resistive glazing: Section 08 80 00, GLAZING
E. Package transfer boxes: Section 11 17 36, PACKAGE TRANSFER UNITS
F. Intrusion alarm: Section 28 16 11, INTRUSION DETECTION SYSTEM

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 For 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):
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

SPEC WRITER NOTE: Make material requirements agree with applicable requirements specified in the referenced Applicable Publications. Update and specify only that which applies to the project.

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

SPEC WRITER NOTE: Service window deal trays for Agent Cashier and Credit Union conforms to UL 752. Service window oversized deal trays for Pharmacy for Prescription dispensing do not conform to UL 752. Assure details show both conditions. Coordinate with Section 08 33 13, Coiling Counter Doors to show overhead rolling shutter on room side where service window units are installed in fire rated or smoke partitions. Detail to show elevation of service window and sill counter shelf for standard height and wheelchair height.
2.2 FABRICATION:

A. Fabricate service windows to conform to UL 752, Power Rating for Super-Small Arms //UL Level ****//, except for nonconforming oversized deal trays at Pharmacy service windows. Also provide resistance of //5 minutes// //15 minutes// for forced entry using basic hard tools.

B. Frames:
1. Stainless steel 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. Stainless steel not less than 3 mm (0.1094 inch) thick.
2. Sill to project full width of opening to edge of jamb with extension for writing shelf on both sides of opening; complete with stainless steel deal tray.
3. Deal tray to comply with UL 752, except deal tray at pharmacy service windows shall permit the passage of a package 38 by 75 by 375 mm (1-1/2 by 3 by 15 inches).

D. Glazing:
1. Factory set and glaze bullet resistive glazing material in stainless 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 Stainless Steel: NAAMM Mechanical Finish Number 4.

PART 3 - EXECUTION

3.1 INSTALLATION:

A. Install service windows in accordance with manufacturers installation instructions. Securely anchor to //steel studs// 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.