

SECTION 08 56 59
SERVICE AND TELLER WINDOW UNITS

SPEC WRITER NOTE:

1. Delete text between // _____ // not applicable to project. Edit remaining text to suit project.
2. See Pharmacy Service Window and Package Transfer detail SD085659-01 at www.cfm.va.gov/til/sDetail/Div08Openings/SD085659-01.pdf. Coordinate dimensions between details and specification if package transfer is required.

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

SPEC WRITER NOTE: Edit window unit types and locations to suit project. Package transfer shown in standard detail is specified in Section 11 17 36, PACKAGE TRANSFER UNITS. If window unit is located in a framed partition, bullet resistant panels are also required for partition to match window bullet resistance level.

1. Service window units within // concrete masonry partitions // framed partitions // at // Pharmacy // Guard Booth // and other locations indicated on Drawings //.
2. Teller window units within // concrete masonry partitions // framed partitions // at // Agent Cashier // Credit Union // and other locations indicated on Drawings //.

1.2 RELATED REQUIREMENTS

SPEC WRITER NOTE: Update and retain references only when specified elsewhere in this section.

- A. Opening Protection in Fire Rated or Smoke Partitions: Section 08 33 13, COILING COUNTER DOORS.
- B. Bullet-Resisting Glazing: Section 08 80 00, GLAZING.
- C. Package Transfers: Section 11 17 36, PACKAGE TRANSFER UNITS.
- D. Intrusion Alarm: Section 28 16 11, INTRUSION DETECTION SYSTEM.

1.3 APPLICABLE PUBLICATIONS

- A. Comply with references to extent specified in this section.

- B. ASTM International (ASTM):
 - 1. A240/A240M-15b - Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
 - 2. F593-13 - Stainless Steel Bolts, Hex Cap Screws, and Studs.
 - 3. F594-09e1 - Stainless Steel Nuts.
 - 4. F1233-08(2013) - Security Glazing Materials and Systems.
- C. National Association of Architectural Metal Manufacturers (NAAMM):
 - 1. AMP 500-06 - Metal Finishes Manual.
- D. UL LLC (UL):
 - 1. 752-05 - Bullet-Resisting Equipment.

1.4 SUBMITTALS

- A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Submittal Drawings: Service windows, showing design, construction and installation.
 - 1. Indicate size, configuration, and fabrication and installation details.
 - 2. Indicate bullet resistant reinforcing for metal components.
- C. Manufacturer's Literature and Data: Service windows.
 - 1. Description of each product.
- D. Sustainable Construction Submittals:

SPEC WRITER NOTE: Retain sustainable construction submittals appropriate to product.

- 1. Recycled Content: Identify post-consumer and pre-consumer recycled content percentage by weight.
- E. Test reports: Report bullet resistance level.
- F. Certificates: Certify products comply with specified bullet resistance rating.

1.5 WARRANTY

SPEC WRITER NOTE: Always retain construction warranty. FAR includes Contractor's one year labor and material warranty.

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

PART 2 - PRODUCTS**2.1 SYSTEM DESCRIPTION**

SPEC WRITER NOTES:

1. Agent Cashier and Credit Union deal trays conform to UL 752. Oversized Pharmacy deal trays do not conform to UL 752. Assure details show both conditions.
2. When window units are located in fire rated or smoke partitions detail coiling counter door in Section 08 31, COILING COUNTER DOOR on room side as opening protective.
3. Detail window unit sill elevation at standard height and wheelchair accessible height.

A. Service Window Units: Factory fabricated, assembled, and glazed unit; bullet resistant type.

1. Frame: Stainless steel with integral counter, oversized deal tray, and jamb openings to permit voice communication through window.

SPEC WRITER NOTE: Coordinate the deal tray size with the use of package transfer shown in the standard detail.

2. Pharmacy Oversized Deal Tray: // Size indicated on Drawings // Permit passage of package measuring 38 by 75 by 375 mm (1-1/2 by 3 by 15 inches) //.
3. Other Deal Trays: Manufacturer's standard complying with specified UL 752 bullet resistance level.
4. Glass: Bullet resistive assembly specified in Section 08 80 00 GLAZING.

B. Teller Window Units: Factory fabricated, assembled, and glazed unit; bullet resistant type.

1. Frame: Stainless steel with integral counter, deal tray, and jamb openings to permit voice communication through window.
2. Glass: Bullet resistive assembly specified in Section 08 80 00 GLAZING.

2.2 SYSTEM PERFORMANCE

A. Design service and teller window units complying with specified performance:

SPEC WRITER NOTE: UL 752 Levels 1 - 3 provide resistance against super power small arms handguns. Levels 4 - 10 provide resistance against rifles.

1. Bullet Resistance: UL 752; Level 3, minimum.
 - a. Exception: Pharmacy deal tray.

SPEC WRITER NOTE: Select Threat Class based on review of ASTM Standard and project resistance requirements.

2. Forced Entry Resistance: ASTM F1233; // Threat Class 1 // Threat Class 3 // using basic hand tools.

2.3 MATERIALS

- A. Stainless Steel: ASTM A240/A240M; Type 304, 3 mm (0.12 inch) thick, minimum.

2.4 PRODUCTS - GENERAL

- A. Sustainable Construction Requirements:

SPEC WRITER NOTES:

1. Specify products containing greatest recycled content practicable to maximize material recovery. See EPA Comprehensive Procurement Guidelines (CPG) for guidance about individual products and available recycled content. Section 01 81 13 sets overall project recycled content requirements.

2. Specialty Steel Industry of North America (SSINA) reports average 75 - 85 percent recycled content for stainless steel.

1. Stainless Steel Recycled Content: 70 percent total recycled content, minimum.

2.5 FABRICATION

- A. Form stainless steel fabrications to sizes, profiles, and configurations indicated on Drawings.
- B. Frames: Stainless steel.
 1. // Provide clamp-on frames at existing partitions. //
 2. Jamb and Heads: Continuous with integral glazing stop on corridor side of window unit.
 3. Removable Glazing Stops: Applied to room side of window unit.
 - a. Miter and weld removable stops at corners.

- b. Secure removable stops to frames with countersunk screws, spaced as required for specified performance requirements.
- 4. Voice Communication: Frame profile and jamb spacers to provide two-way natural voice communication.
- C. Frame Anchors: Stainless steel; // masonry // framed partition // type, compatible with partition construction.
 - 1. Provide minimum three frame anchors for each jamb.

SPEC WRITER NOTE: Standard detail shows sill as writing surface projecting 300 mm (12 inches) from partition centerline. Coordinate locations so projection does not interfere with corridor accessible path.

- D. Sill: Stainless steel.
 - 1. Fabricate sill full opening width to receive both jambs.
 - 2. Fabricate sill with extended writing shelf on both sides of window unit.
- E. Deal Tray: Stainless steel.
 - 1. Incorporate deal tray into sill, without visible seams.
- F. Glazing:
 - 1. Glazing Channel: Stainless steel; configuration as required to accommodate glass installation, and expansion and contraction.
 - 2. Secure glazing channel to window unit frame.
 - 3. Factory glaze window unit.

2.6 FINISHES

- A. Stainless Steel: NAAMM AMP 500; No. 4 polished finish.
- B. Blend welds to match adjacent finish.

2.7 ACCESSORIES

- A. Fasteners: ASTM F593 and ASTM F594, stainless steel.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Examine and verify substrate suitability for product installation.
 - 1. Verify opening is correctly sized and located.
 - 2. Verify partition is prepared to receive frame anchors.
- B. Protect existing construction and completed work from damage.

3.2 INSTALLATION

- A. Install products according to manufacturer's instructions // and approved submittal drawings //.
- B. Install service and teller window units according to manufacturer's installation instructions.
- C. Set units accurately, plumb, and level.
- D. Securely anchor to // masonry // partition framing // as shown on submittal drawings to withstand ballistic and forced entry forces.
 - 1. Coordinate with coiling counter door installation in // fire // smoke // rated partition specified in Section 08 33 13, COILING COUNTER DOORS.
- E. Coordinate with window intrusion detection system specified in Section 28 16 11, INTRUSION DETECTION SYSTEM.

3.3 CLEANING

- A. Clean exposed window unit surfaces. Remove temporary labels, contaminants, and stains.
- B. Polish stainless steel surfaces for uniform appearance.

3.4 PROTECTION

- A. Protect window units from construction operations.
- B. Remove protective materials immediately before acceptance.
- C. Repair damage.

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