(**Specifier Note**: The purpose of this guide specification is to assist the Specifier in correctly specifying bullet resisting transaction windows and their installation.

The Specifier needs to edit this guide specification to fit the needs of each specific project. References have been made within the text of the specification to MasterFormat section numbers and titles. The Specifier needs to coordinate these numbers and titles with sections included for the specific project.

Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. Brackets have been used to indicate when a selection is required. Contact an Insulgard representative for further assistance with appropriate product selections)

**SECTION 08 56 53 – SECURITY WINDOWS**

**Insulgard SV Transaction Window**

1. GENERAL
	* + 1. SECTION INCLUDES
				1. **[Interior] [Exterior]** Bullet ResistingTransaction Windows
			2. ACTION SUBMITTALS
				1. Refer to Section [**01 33 00 Submittal Procedures**] [**Insert section number and title**].
				2. Product Data: For each type of window
				3. Shop Drawings: Include plans, elevations, sections, details, anchorage to other work.
				4. Samples: For each exposed finish.
			3. INFORMATION SUBMITTALS
				1. Product Test Reports: Indicating compliance with requirements
			4. CLOSEOUT SUBMITTALS
				1. Refer to Section [**01 78 00 Closeout Submittals**] [**Insert section number and title**].
				2. Cleaning Instructions
			5. DELIVERY, STORAGE AND HANDLING
				1. Refer to Section [**01 60 00 Product Requirements**] [**Insert section number and title**].
2. PRODUCTS

(**Specifier Note**: Product information is proprietary to Insulgard Security Products. If additional products are required for competitive procurement, contact Insulgard, Inc. for assistance in listing competitive products that may be available.)

* + - 1. MANUFACTURED UNITS
				1. Basis of Design: SV Transaction Window by Insulgard Security Products; Phone 800.624.6315; website [www.insulgard.com](http://www.insulgard.com)

Subject to compliance with requirements, manufacturers of products of equivalent design may be acceptable if approved in accordance with [**Section 01 25 00 Substitution Procedures**] [**Insert section number and title**].

* + - * 1. Description

Factory fabricated window constructed from stainless steel voice tubes surrounding the vertical edges of the bullet resistant glazing.

Voice tubes armored with bullet resistant material consistent with designated threat level.

Anodized aluminum channels affix glazing at head and sill conditions.

(**Specifier Note**: HPL is the standard base; stainless steel and solid surface are options.)

Base: [**High pressure** **plastic laminate clad particleboard**] [**stainless steel**] [**solid surface**]

Deal Tray: Recessed stainless steel [**with bullet-trap**]

(**Specifier Note**: Custom sizes up to 60 inches by 96 inches may be available upon request. Contact Insulgard to confirm availability.)

Dimensions: [**29 inches by 40 inches**] [**48 inches by 42 inches**] [**60 inches by 42 inches] [72 inches by 42 inches] [Insert Custom Size]**

* + - 1. PERFORMANCE CRITERIA
				1. Ballistic Resistant: Level [**1**] [**2**] [**3**] in accordance with UL 752 – Testing for Ballistic Resistance for the complete assembly including framing, glazing, and base.
			2. FABRICATION
				1. Clear and de-burr ends the full depth of framing; assemble and dress smooth.

Fabricate framing with manufacturer’s standard internal opaque armoring in thicknesses required for security windows to comply with indicated ballistic resistance requirement.

* + - * 1. Tolerances: All joints and connections shall be tight, providing hairline joints and true alignment of adjacent members
			1. FINISH
				1. 304 Stainless Steel with No. 4 brushed finish.
			2. GLAZING

(Specifier Note: SELECT glazing based on threat level and architect’s preferences. Armor-Gard products offer glass to the attack side. )

* + - * 1. Level 1: **[1-1/4 inch acrylic] [3/4 inch MP750 Lexgard] [BALULN21 Armor-Gard]**
				2. Level 2: **[1-3/8 inch acrylic] [1 inch MP1000 Lexgard] [BALULN23 Armor-Gard]**
				3. Level 3: **[1-1/4 inch acrylic] [1-1/4 inch SP1250 Lexgard] [BALULN25 Armor-Gard]**
			1. ACCESSORIES
				1. Fasteners: Manufacturer recommended security fasteners. Utilize fastener that require two types of tools to operate fasteners.
				2. Sealants: As indicated in Section 07 92 00 Joint Sealants.
				3. Bituminous Paint: Cold-applied, asphalt-mastic paint complying with SSPC-Paint 12 requirements except containing no asbestos; formulated for 30-mil thickness per coat.
1. EXECUTION
	* + 1. PREPARATION
				1. Verify field dimensions of opening prior to fabrication of transaction window.
				2. Coordinate structural requirements to ensure proper attachment and support.
			2. INSTALLATION
				1. Install transaction windows in accordance with manufacturer's recommendations and approved shop drawings.
				2. Where dissimilar metals will be in contact, protect against galvanic action by painting contact surfaces with primer or by apply sealant or tape recommended in writing by window manufacturer.
				3. Provide required support and securely fasten and set windows plumb, square, and level without twist or bow.
			3. CLEANING
				1. Clean security window surfaces after installation, avoiding damage to finishes. Remove excess glazing and sealant compound and dirt.
			4. PROTECTION
				1. Protect transaction windows damage during construction operations. If damage occurs, remove and replace as required to provide windows in their original, undamaged condition.

END OF SECTION