

**SECTION 08 56 53**

**BULLET RESISTANT 3-SIDED TRANSACTION WINDOW  
WITH ALUMINUM FRAME AND HORIZONTAL VOICE PORT**

**MODEL # TWHVP-ALUMINUM**

Part 1 GENERAL

1.1 Reference

The publications below form a part of this specification. Underwriters Laboratory UL-752 11th edition, standard for Bullet Resistant Equipment (September 9, 2005).

1.2 Submittals

The following shall be submitted in accordance with Sections 08800 and 13700 and the SPECIAL CONTRACT REQUIREMENTS: Submit for approval prior to fabrication samples, brochures, specifications, UL Listing and UL-752 Current Test Results as provided by Underwriters Laboratory, and printed data in sufficient detail to indicate compliance with the contract documents.

1.3 Design

Through design, manufacturing and construction technique so that frame can be rated by the manufacturer to be "non-ricochet type" and "non-pop out type", which holds the glazing in place. \*Frames with removable stops are not acceptable.

1.4 Warranty

A. Workmanship Warranty: All materials shall be warranted against defects for a period of one (1) year from the date of receipt at the project site. Provide certificates of manufacturer's standard limited warranty with closeout documents.

B. Finish Warranty: Manufacturer's warranty against deterioration of factory finishes for the period of one (1) year from the date of Substantial Completion.

Part 2 PRODUCTS

2.1 Manufacturer

The transaction windows to be manufactured as indicated on the approved drawings by Bullet Guard Corporation, West Sacramento, CA. 1-800-233-5632. [www.bulletguard.com](http://www.bulletguard.com).

2.2 Frames

Frames to be deep capture with a minimum deep capture of one inch on all three sides of the window. Frames to be specifically extruded to allow all fasteners to be applied to the protected side of the frame. Frames to be made of 6063 Aluminum Alloy with a minimum wall thickness of .125". Frames must be pre-glazed at the manufacturer facility and shipped to the installation site. No glazing shall take place at the job site.

2.3 Glazing

Windows to be glazed with UL listed materials (Specify level) such as acrylic, polycarbonate or glass-clad polycarbonate. The bottom panel shall sit flush on the counter and be polished clear so as to not obstruct the view.

2.4 Deal tray and Counter

Provide a 2 ¼" thick counter top the full width of the window lined with UL-752 ballistic fiberglass, the same level of protection as the glazing. Counter to have built-in stainless steel non-ricochet deal tray. Counter top can be made of wood and finished with plastic laminate or it can be made of stainless steel.

2.5 Horizontal Voice Port

Windows to have natural voice ports for sound transmission. Voice ports must be made of the same glazing material and must overlap the gap in the glazing a minimum of 2". Voice ports are horizontal the full width of the window.

Part 3 EXECUTION

3.1 Installation

In accordance with manufacturer's instructions.

3.2 Protection

It shall be the responsibility of the contractor to see that any scratches or damage caused in shipping or handling of the products are properly cleaned and touched up. Store the products in a dry, heated location, covered and ventilated to protect them from damage. Repair damaged units prior to completion and acceptance of the project or replace them with new, as directed.

3.3 Cleaning

Upon completion, clean units thoroughly. Clean the glazing products in accordance with the manufacturer's instructions.