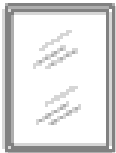


SPECIFICATION

BULLET / BLAST FIXED ALUMINUM WINDOW

USAW400

FEMA361 / ICC-500



Single Lite



Multi Lite



Transaction

1. **Quality Assurance:** Drawings and specifications are based on U.S. Bullet Proofing Model USAW400 ballistic/blast window wall system. Whenever substitute products are to be considered, supporting technical literature, samples, drawings, and performance data must be submitted ten days prior to bid to make a valid comparison of products involved. Test reports by an independent test laboratory will be made available upon request.
2. **Materials:** All aluminum extrusion shall be 6063-T5 alloy and temper or equal or with a minimum tensile strength (minimum 22.0 ksi ultimate, 16.0 ksi yield).

All fasteners shall be zinc coated. There shall be no exposed fasteners. The interior glazing gaskets shall be a composition of Thermoplastic Elastomer (TPE 65AB) and Polyolefin Foam Concentrate (resulting in a 55 to 65 Shore "A" durometer) or wet glazed as needed. Setting blocks shall be solid neoprene (80-90 shore "a" durometer).

All neoprene shall be in strict compliance with ASTM C-509-00 Type II Option 1 and C-864-99.

3. **Description:** The USAW400 Window System is designed to accept ballistic/blast glazing materials that are to be UL 752 Level 1 – 8 and independently analyzed for blast resistance.
 - All joints and connections shall be tight providing hairline joints and true alignment of adjacent members.
 - Frame size shall be 2 ½" x 4 ½" standard. Other sizes available. Please contact factory for available options.
 - Glazing or retrofit shall be performed from the exterior.
 - The glazing system can be capable of accepting various thickness, ranging from ¼" to 2 1/4".

4. **Ballistic Certification:** All aluminum members shall be ballistically improved to provide complete protection against penetration of a projectile as described by the UL 752 bullet-resisting test requirements from Level 1 through Level 8. A recognized independent testing laboratory shall conduct ballistic testing. Proof of certification will be made available upon request.
5. **Finish:** Available in most anodized and Kynar painted finishes. Please specify finish desired.
6. **Performance:** Air filtration shall not exceed .02 cfm per square foot with a pressure differential of 6.24 psf, equal to 50 mph wind (ASTM E283). No uncontrolled water penetration shall occur when subjected to both a static and dynamic water penetration test with a pressure differential of 12.12 psf. (ASTM E331).