



Protective Structures, Ltd.
7565 Industrial Court • Alpharetta • Georgia • 30004

TH600 Bullet, Blast, Impact & Wind Resistant FRAMING SYSTEM:



Product Description:

6" Framing System.
Head, Jamb, Sill, Mullion and
Intermediate Horizontal
Members:
2 1/2" x 6"

Basic Use:

This framing system is designed to provide protection in those areas where a threat from ballistic and/or blast, impact and wind exists.

Applications include government facilities, law enforcement facilities, corporate facilities, and other public and private applications.

It is recommended that this frame system be used in conjunction with equivalent performance substrate/wall areas.

System Construction:

All framing shall be totally factory fabricated (field fabrication is not acceptable). All joints and connections shall be tight, providing hairline joints and true alignment of adjacent members. The system shall incorporate a weep design allowing any water penetration or internal condensation to flow through the system and exit to the exterior at the horizontal members.

All components will be constructed from extruded aluminum in 6061-T6 alloy / temper, or equal.

All anchorage will be a fully concealed

Interior glazing gaskets shall be closed cellular epdm and Exterior gaskets will be solid epdm, both with molded corners.



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System Construction:

AAMA 101.1 Performance Class AW
ICC-500 2008 Tornadoic and Hurricane Impact and Winds
FEMA 361 2008 Tornadoic and Hurricane Impact and Winds
GSA Level C & D Blast Mitigation
UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings
Low Level Resistance
ASTM E283, 'Test Method For Determining The Rate Of Air Leakage Through Exterior Windows, Curtain Walls, And Doors Under Specified Pressure Differences Across The Specimen'
ASTM E283, 'Test Method For Determining The Rate Of Air Leakage Through Exterior Windows, Curtain Walls, And Doors By Uniform Static Air Pressure Difference'
ASTM E331, 'Test Method For Water Penetration Of Exterior Windows, Curtain Walls, And Doors By Uniform Static Air Pressure Difference'
ASTM E1886, 'Standard Test Method For Performance Of Exterior Windows, Curtain Walls, Doors And Impact Protective Systems Impacted By Missile(s) and Exposed To Cyclic Pressure Differentials'
ASTM E1996, 'Standard Test Method For Performance Of Exterior Windows, Curtain Walls, Doors And Impact Protective Systems Impacted By Windborne Debris In Hurricanes'
AAMA 101 (modified).
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FEMA 361-2008 Certified

FEATURES:

**UL LEVELS 4, 5 & 8 BALLISTICS PROTECTION
BLAST RESISTANT CERTIFIED TO MEET GSA LEVEL
C, D AND UFC 4-010-01 DoD MINIMUM
ANTITERRORISM STANDARDS
FEMA 361 2008 TORNADO AND HURRICANE
ACCEPTS VARIOUS GLAZING MATERIALS FROM 1
1/4" THRU 2 1/16"
ANODIZED OR PAINTED FINISHES
COMPLETELY FABRICATED AND SHIPPED
ASSEMBLED FOR EASE OF FIELD INSTALLATION
(SIZE RESTRICTIONS)
COMPONENTS INVENTORIED FOR REDUCED LEAD
TIME
DESIGNED FOR CONVENTIONAL INSTALLATION
AND GLAZING METHODS**

Certification in accordance with UL Standard 752 is required.
HIGH POWER RIFLE BALLISTIC OPTIONS: Level 4 and Level 8
All elements shall be ballistically improved to provide complete protection from any angle or trajectory. Any ballistic void will be unacceptable
Blast certification in accordance with General Service Administration, (GSA) and Interagency Security Committee (ISC) Security Criteria. Level C 4 PSI @ 28 psi-msec. Physical blast test.





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Engineered and certified to meet GSA Level D 10 psi @ 90 psi-msec
UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings
Low Level Resistance
FEMA 361 2008 Tornado and Hurricane Standard

Drawings and specifications are based on Insulgard's Model TH600 certified security framing for glazing. Whenever substitute products are to be considered, supporting technical literature, samples, drawings and performance data must be submitted ten days prior to bid in order to make a valid comparison of products involved. Test reports by an independent test laboratory will be made available upon request.

Fastener requirements listed are applicable to screws, bolts, washers, nuts, rivets and pins used in the assembly of all aluminum frame components shall be stainless steel type 302 or 304.

Exterior glazing gaskets: Solid 70 durometer Shore A EPDM wedge gasket, non-staining with trim lip and factory molded corners. Meets ASTM C864-05 EPDM specifications.

Interior glazing gaskets: Preset sponge gasket, closed cell, nonstaining EPDM with trim lip and factory molded corners. Meets ASTM C509-06 EPDM specifications.
epdm (65-75 shore "A" Durometer) with molded corners.

All epdm shall be in strict compliance with ASTM C-509-06 Type II option 1 and C-864-06.

