

About the company

B-Pro Safeguard, Inc. was created to serve the requirements of the Department Of Defense UFC 4-010-01 and the GSA and to provide the U.S. government the most advanced and cost effective protective glazing systems. The B-Pro products were developed by the world's most experienced engineers in the field and were subjected to a rigorous series of blast and AAMA weather testing.

Blast Mitigation Windows Technology

B-Pro Safeguard offers an extraordinarily sophisticated, patented Energy-Absorbing system approach. This technology utilizes the window frames, glazing, hardware and anchoring system as energy dissipating components. Once hit by the blast wave dynamic loading, those components are gradually deforming, hence absorbing a significant portion of the blast energy which allows the window to stay in the opening and to protect the people within the building.

Products & Aesthetics

The real-life experience of the B-Pro engineering team which include hundreds of thousands successful installations as well as the developing of numerous blast mitigation windows, doors and curtain wall systems, has provided B-Pro with the expertise in designing and refining the product in order to meet the most demanding architectural criteria while providing the highest level of blast protection required

Technical Support and Fabrication

B-Pro Safeguard erected a state of the art plant quipped with modern machinery dedicated for the manufacturing of blast mitigation window systems. The B-Pro team is committed to quality, service and support.

Blast Rating

B-Pro Blast Levels	A*	B	C	Extreme blast environment
Impulse (psi*msec)	43	85	160	Check with the B-Pro technical support before specifying
Pressure (psi)	7	35	40	
B-Pro 510	V	V	X	

*Level A corresponds to the UFC 4-010-01 requirements where "conventional construction standoff distances are achieved".

Technical Data

Glazing	AAMA Rating	Frame Depth	Thermal Performance
According to the specified requirements	AP-C30 Water 12.12psf	85mm (3-3/8")	AAMA 1503 U Factor=0.44 (NFRC=0.41);CRF=61



*HTL Blast Test

B-Pro 510 Fixed Window and Storefront

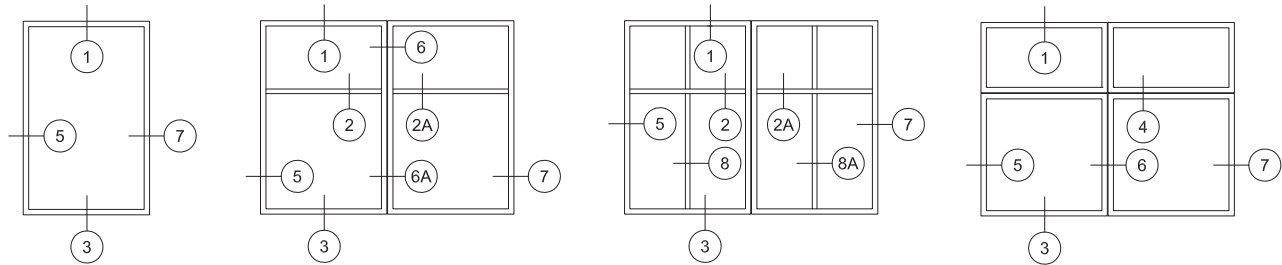
The B-Pro 510 is a high level blast mitigation fixed window and storefront. This is a modular stackable product to be utilized as a punched window, ribbon window and as a storefront. The B-Pro 510 is a low maintenance, efficient, low cost window with outstanding ease of installation at any given condition. Its versatile design allows for any architectural implementation. This is a thermally broken window equipped with Insulated Glass Unit to comply with any specification.

B-Pro 510

FIXED WINDOW & STOREFRONT

ELEVATIONS AND DETAILS

ELEVATIONS



DETAILS

