GSA Schedule
Contract GS-07F-0028T

FORCE DEFENDER™
Protective Glazing Systems

Blast Protection and Physical Security

Incorporated into new construction or as a retrofit solution, the ForceDefender™ product line meets the challenging requirements demanded by today's security professionals and design engineers.

Interior Retrofit Blast Window

Operable Blast Window

Tilt and Turn Blast Window

US Custom House Retrofit

The Situation: As part of a U.S. State Department initiative, officials at the U.S. Custom House in Philadelphia were required to increase security protection for glass hazards. The building is on the National registrar of Historical Property. Its architectural integrity could no be compromised. There were twenty one original windows that could not be replaced or merely upgraded with standard glass fragment retention methods. Because GlassLock has experience installing protective window systems in architecturally significant and historic buildings, the GSA Regional Historic Officer was confident when choosing GlassLock to design and install the custom retrofit window and anchoring system.

The Solution: GlassLock worked closely with the GSA Regional Historic Officer to design a custom solution using low profile secondary windows. This solution provided the desired level of glass hazard protection with no effect on the existing window system. The secondary windows did not interfere with the building's sight lines and they were unnoticeable to the building's occupants. From the outside there was no indication anything had changed. The historical character of the interior and exterior view had not been compromised. With Blast criteria met and original sight lines undisturbed, these unobtrusive window inserts also offered the added feature of energy efficiency and sound abatement to a historic building.

Windows and Doors

- Designed to project specifications
- New Replacement or insert
- Maintains historic façade