

CASE STUDY

Removable Ballistic Glazing Within Historic Hotel

A high-ranking foreign official required discreet, rifle-rated protection while staying in a historic Washington, D.C. hotel en route to meetings with U.S. government leaders. The suite could not be altered by drilling, screws or fasteners of any kind, but the threat profile required adding ballistic glazing to multiple windows.

Total Security Solutions designed, engineered, fabricated, and installed removable ballistic glazing in under four weeks, then fully removed it immediately after the official's departure.

THE PROBLEM:

INSTALLING TEMPORARY EXECUTIVE PROTECTION

The official's security team needed rifle-resistant protection inside a historic property that prohibited any physical modifications to finishes or structure. That eliminated conventional anchoring for frames or stanchions and required a freestanding approach that preserved the suite's aesthetics and operations.



THE RESULTS:

DISCREET, TEMPORARY EXECUTIVE PROTECTION

The temporary ballistic glazing performed as designed without interfering with the guest experience while preserving historic aesthetics and avoiding permanent alterations.

Ballistic security is a system, not a single pane.

Materials must align with the identified threat, including being tested to the specific UL rating and forced entry standards, such as [ASTM F1233](#), in instances where an attacker could use tools to break through lower-level windows or doors. Architects and installers also need to consider window and door frames and any other hardware that may be necessary, ensuring those elements also meet the same level of protection required. TSS guides specifiers through every step, from selecting the right materials and any accessories to ensuring the system is properly installed and maintained.

PROJECT CONSULTING

TSS conducted an on-site assessment and collaborated with the protective detail to define coverage, threat level, and an installation timeline that would minimize disruption to the hotel. The team identified bedroom, bathroom, and seating-alcove windows as priority points requiring protection and took precise measurements knowing they wouldn't have the time or the ability to modify the materials once they arrived back at the hotel.



How do you know which level of protection do you need? Watch this short video to learn more.

FABRICATION & ASSEMBLY

After prototyping the window and tension-bar assembly, the team fabricated the glazing at the TSS warehouse in Fowlerville, Mich., using laminated polycarbonate tested to the appropriate UL 752 standards to offer protection from high-powered rifles.

DELIVERY & INSTALLATION

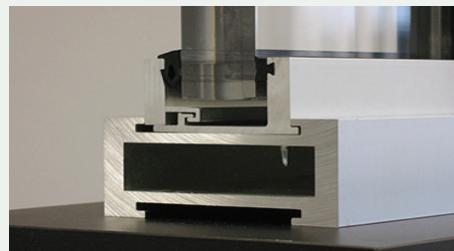
TSS arrived onsite with multiple custom panel systems and completed installation two days before the principal's arrival, meeting the protection timeframe and leaving the suite fully functional during occupancy. When security detail cleared the site, TSS returned to dismantle the system without leaving a trace. [Explore our Proven Process](#)

BULLETPROOF COMPONENTS USED

Taking a systems approach to courthouse security is essential. This requires a combination of the right products working together to achieve a solution that fits both security and aesthetics.



BULLETPROOF GLASS



BALLISTIC FRAMING

ONE MORE HIGH-PROFILE EXECUTIVE PROTECTED

If you are responsible for protecting executives or government officials, TSS can help. Using the proven process we've developed over more than 20 years and 30,000 buildings, we'll assess your threats, plan and design a custom solution, fabricate it and deliver and install it with the industry's fastest lead times.



ABOUT TSS

Founded in 2004, TSS' purpose is simple: to be the industry leader in protecting people and property from physical attacks. Our professional in-house design, manufacturing, and installation teams enable us to deliver total security solutions that are customized to your needs with the fastest speed to completion and an exceptional customer experience. Today, with staff and locations nationwide, we have secured tens of thousands of buildings, ensuring daily Physical Security for What Matters Most™.



REQUEST A CONSULTATION

Whether you're designing a new building or retrofitting a historic place, our team can provide the guidance and resources you need to succeed. Request a consultation and learn how we can help you protect public spaces from evolving threats.

[REQUEST A CONSULTATION](#)