



***Understanding Protective Glazing for Health, Safety & Welfare in
Justice-Related Architecture: Using Fire-Rated and Security Glazing
for Criminal Justice, Detention, and Containment Facilities***

Course Number: mcgrory080423 | **Provider ID:** 40107192 | **Credits:** 1 LU | HSW

Course Description:

The U.S. criminal justice system houses 2.3 million people in more than 1,830 state prisons, 110 federal prisons, 1,722 juvenile correctional facilities, 3,134 local jails, and 219 immigrant detention facilities. That's in addition to multiple military prisons, women's facilities, detention-related medical hospitals, and rehabilitation centers for early release. The justice system also includes nearly 700 federal courthouses, along with thousands of local courthouses, police stations, and other public safety facilities like embassies. The health, safety and welfare of law enforcement personnel, employees, inmates, and patients, along with facility resources, is paramount.

As architects and law enforcement officials expand or design new containment or criminal justice centers, they work to achieve a necessary balance between form and aesthetics, within budgetary constraints. Today, there's a complicated landscape of codes, requirements, and options to navigate. A key part of designing safe facilities is choosing the right mix of fire-rated and security glass to protect against fire and smoke, attacks caused by humans, and weather-related disasters.

This course offers an analysis of the latest innovations and trends in fire-rated and security glazings and how they can be used in architectural design. Attendees will learn about required building codes, testing standards, and ratings, plus how to work with glass manufacturers and officials in this unique sector to achieve practical and aesthetic design objectives.

Course Objectives:

- The protective differences between safety and security glass.
- How fire-resistive and security glazing can help ensure safe corridors and evacuation routes, as well as intrusion prevention.
- The "need to knows" of different testing and certification methods for bullet, ballistic, and fire-rated protective glazing
- Incorporating branding options, wayfinding, and daylighting features, along with privacy capabilities
- Navigating clients' safety concerns and balancing with design requirements

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