



## Precision Meets Innovation in a Stunning Multi-Material Stair and Elevator Installation

GBA combined cast iron strength with lightweight composite versatility to deliver a custom-engineered stairway and elevator enclosure that balances durability, precision, and architectural impact.

**General Contractor:**

Pravo Construction

**Photo Credit:**

Pravo Construction

**Products:**

Circle Redmont 81R & 82R Cast  
Iron Panels

**Opportunity**

A new second-floor dining area required a standout stairway and elevator enclosure—one that was not only functional and durable but also visually compelling. The project called for a system that could meet strict structural demands while enhancing the architectural experience with light, texture, and precision detailing. With multiple stair direction changes, tight elevation tolerances, and a desire for integrated lighting, this wasn't a typical installation.

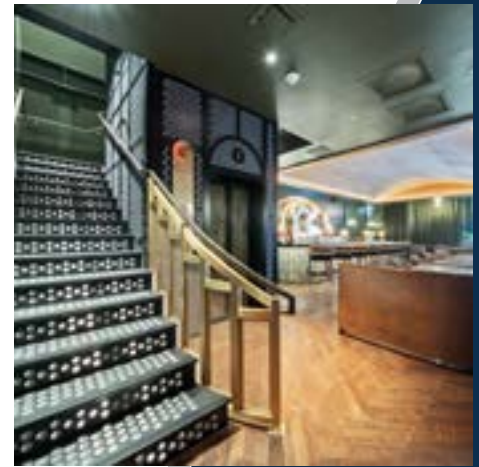
**Solution**

To meet the design and structural goals, GBA combined two trusted systems for the first time: Circle Redmont's 81R CR Cast Iron and 82R Composite Cast Iron with Glass Bullet panels. Cast iron stair treads

delivered unmatched strength and long-term durability, while lighter composite panels for the surrounding walls allowed for easier handling and faster installation—without compromising the visual impact.

With just a single central stringer and complex directional changes, the stair system demanded pinpoint accuracy. GBA collaborated closely with Circle Redmont to develop a custom installation template. Each 200-pound tread was precisely anchored with custom-welded fins on the stringer to ensure a consistent rise and run. Landings, weighing up to 1,000 pounds, were also installed with care around already completed ceilings and walls. For the elevator enclosure, detailed pre-planning ensured clean joint lines, seamless corner transitions, and exact cutouts for operator components—all while planning for integrated backlighting.

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## Outcome

The finished installation is a showcase of precision engineering and architectural elegance. The seamless blend of cast iron durability and composite versatility created a high-performance stair and wall system that meets structural demands while enhancing the space with light and texture. Integrated backlighting brings the design to life, adding dramatic depth to the stairway and elevator enclosure. This project underscores GBA's expertise in solving complex architectural challenges with innovative, durable, and visually compelling solutions.



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