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# REDI STAIR<sup>®</sup>

## News

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The background image shows a modern building with a prominent precast concrete staircase and balcony. The building has a mix of concrete and brickwork. A green exit sign is visible above the balcony. The scene is captured during twilight, with a cityscape visible in the distance under a darkening sky.

**Advantages  
of Precast  
Construction  
over Cast-in-  
Place**

**Hanover  
Buffalo  
Bayou**

**Kaiser  
Permanente  
Specialty  
Center**

## Advantages of Precast Construction over Cast-in-Place

Looking for efficient construction methods?

Consider the benefits of precast construction over cast-in-place techniques.

- **Quality Assurance:** Precast elements are manufactured in a controlled environment, ensuring consistent quality and fewer defects compared to on-site construction.
- **Time Savings:** With precast, simultaneous off-site production and on-site preparation lead to faster assembly, reducing construction time and labor costs.
- **Minimal Disruption:** Precast construction minimizes on-site disruptions like traffic and noise, making it ideal for urban projects or areas with limited space.
- **Design Flexibility:** While offering customization options, precast elements still maintain a wide range of shapes, textures, and finishes to meet design needs.
- **Weather Resilience:** Precast construction is less affected by weather, reducing project delays and ensuring consistent quality regardless of environmental conditions.
- **Sustainability:** Precast methods optimize resources, reduce waste, and can be more energy-efficient, aligning with sustainable construction practices.

***Consider these advantages when planning your next construction project to streamline processes and achieve superior results.***

# Hanover Buffalo Bayou

Houston, TX

The Hanover Company, a Houston based nationwide developer, is dedicated to enhancing the residential experience with superior value. Their plan is to develop a 14-acre mixed-use development that will serve as a retail destination on the edge of Buffalo Bayou Park.

As part of this commitment, RediStair® was chosen for egress stairwell installation in the 40-story Buffalo Bayou Mixed-Use Apartment building in Houston, Texas.

RediStair® offers numerous benefits over cast-in-place (CIP) or pan-filled stairs. Manufactured under controlled conditions and pre-cured before transportation, RediStair® excels in efficiency, durability and consistency. In addition, RediStair® significantly reduces time and cost of on-site labor and materials.



Juan Carlos Garcia, the site concrete superintendent with TAS Construction, observed that RediStair® was notably quicker and more convenient compared to CIP. Garcia estimated that for each flight (comprising of two (2) stair stringers and one (1) mid-landing between floors), his team installed RediStair® with fewer personnel and 43% fewer man-hours than compared to a CIP installation.

# Kaiser Permanente Everett Specialty Center

Everett, WA

Construction for the Kaiser Permanente Everett Medical Center expansion began in early 2022 and is scheduled to open for patient care in late 2024. The expanded facility will include primary and specialty care, an ambulatory surgery center, 24/7 urgent care, an imaging lab, pharmacy services, and a new 6-level parking structure – all in one convenient location.

Alongside M.A. Mortenson (General Contractor) and KPFF (Structural Engineer Of Record), GC Solutions, LLC was able to provide the necessary services and products to successfully integrate the RediStair<sup>®</sup> system into the newly added parking garage, serving as the two main egress pathways out of the structure. Although M.A. Mortenson chose to post-install the stair systems after the structural slabs were placed, the project still benefited from the efficiency of the installation, the safety of construction access, and the quality of the precast RediStair<sup>®</sup> system.



*"Having the stairs installed and usable earlier in the [construction] process was very helpful. We utilized temporary protection (supplied by RediStair<sup>®</sup>) to ensure we didn't cause damage to the precast [RediStair<sup>®</sup> stringers] during construction. I appreciated that the RediStair<sup>®</sup> system wasn't a 'two-step process' – once the RediStair<sup>®</sup> stringers were placed, they were immediately usable (as opposed to a steel/pan-filled stair system).*

*Additionally, RediStair<sup>®</sup> project management was very knowledgeable and always willing to help walk through the details/shop drawings during early field coordination. The RediStair<sup>®</sup> team was constantly willing to provide helpful feedback which allowed for successful installation & field coordination on the project.*

*I would recommend using RediStair<sup>®</sup> on future projects, as the system brings many positive impacts to a project site, not only from a project schedule standpoint but more importantly through safety and quality."*

*Testament from Tess Massaroni, Superintendent, Mortenson*

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