

HCA Westside Regional Medical Center

Plantation, FL



Facades

Project Details

Owner

HCA Healthcare

General Contractor

JE Dunn Construction

Architect

ESa (Earl Swensson Associates)

Engineer

Georgia Panel

Building Type

Healthcare / Hospital

Onsite Assembly Date

November 2019

Panel Type

StoPanel® Impact ci

Project Overview

FL Crane & Sons Off-Site Construction, in partnership with Southern Wall Systems, designed, fabricated and installed 22,000 square feet of StoPanel® Impact ci panels for the new wing of the HCA Westside Regional Center. The installation required the use of a tower crane with a limited crew size where the fully finished wall panels were safely and successfully erected into place, tying into an existing structure at the site.

Job Requirements

Due to the frequency and threat of extreme weather in the area, South Florida has strict building code requirements for High Velocity Hurricane Zone (HVHZ) areas and for essential structures such as healthcare facilities. This new addition to the facility had to adhere to the strict Florida Building Code and Notice of Acceptance (NOA) standards, especially for wind-load design and impact resistance requirements. As with most healthcare facilities, meeting or beating the schedule was also of utmost importance.

Smart Solution

The StoPanel® Impact ci assembly allowed FLC Off-Site Construction to incorporate design requirements and specifications meeting the Florida Building Code and Notice of Acceptance (NOA) criteria directly into the design and fabrication process. An onsite 3-D scan of the existing structure determined a potential alignment issue where the new wall panels were to tie into the existing structure; due to a tighter tolerance than what the plans indicated. FLC Off-Site Construction was able to adjust panel dimensions during fabrication, correcting for the discrepancy without impacting budget or schedule, installing all 22,000 square feet of panels in only 14 days. Using various StoPanel solutions, FLC Off-Site Construction offers schedule certainty and cost predictability; all while providing a higher QA / QC process and code compliance.

