

Great Wolf Lodge

Scottsdale, AZ

Facades

Project Details

Owner

Great Wolf Lodge

General Contractor

Mortenson

Architect

Gensler

Engineer

ASE

Building Type

Hospitality

Onsite Assembly Date

August 2019

Panel Type

StoPanel® Classic NEXt ci

Project Overview

To complete this project, Kapture Prefab coordinated with the architect during the design phase and overcame issues during installation through creative adaptation. They ultimately fabricated and installed 72,000 sq. ft. of StoPanel® Classic NEXt ci panels - all while managing not to disrupt the big-league spring training next door.

Job Requirements

As the concrete substructures were being erected, it became apparent that some of the first slabs poured were out of tolerance. Additionally, because the concrete walls were so massive, Kapture Prefab couldn't get behind them easily to hang the panels and was forced to engineer a workaround. Finally, right next door to the jobsite, a Major League Baseball team was conducting spring training in a venue with fans in attendance almost daily. So, reigning in debris was essential unless they wanted to be featured unflatteringly on the local sports broadcast.

Smart Solution

Kapture Prefab had to get creative to work with the limited access caused by the massive shear walls. They established imbeds in the walls themselves by attaching metal plates directly to the wall, welding angles onto the plates, then setting the panels with alignment pins. The creative work-around allowed them to use a panelized system (StoPanel® Classic NEXt ci), cutting an estimated 6-8 weeks from a traditional application. The prefabricated panels also mitigated jobsite debris and a good bit of construction noise which, no doubt, would've disrupted the batted balls at the neighboring big-league spring training facility. Meanwhile, when measurements indicated that tolerances were off with the substructure, Kapture Prefab compensated through panel design adjustments and alerted the concrete sub so they could correct subsequent pours. In the end, Kapture Prefab completed their work five months in advance of what traditional construction techniques could accomplish, allowing kids to frolic in the Great Wolf Lodge's indoor water park that much sooner.

