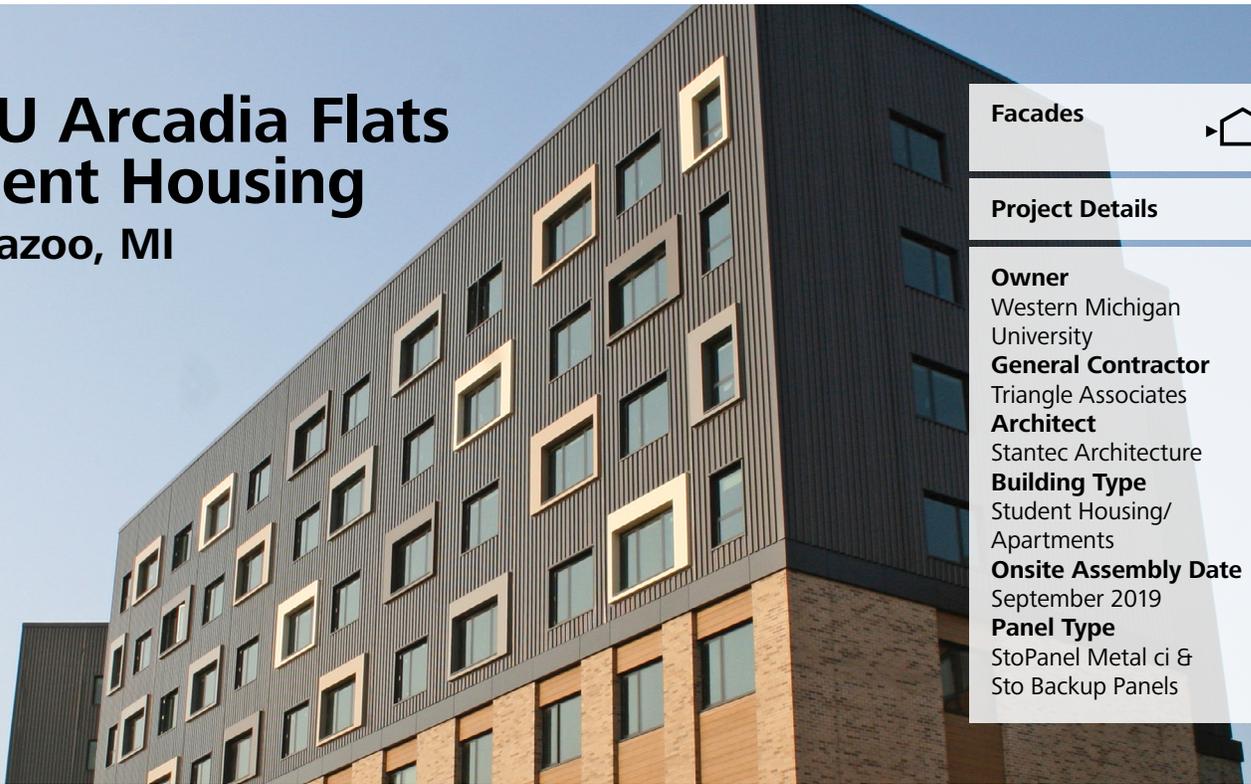


WMU Arcadia Flats Student Housing Kalamazoo, MI



Facades 

Project Details

Owner

Western Michigan University

General Contractor

Triangle Associates

Architect

Stantec Architecture

Building Type

Student Housing/
Apartments

Onsite Assembly Date

September 2019

Panel Type

StoPanel Metal ci &
Sto Backup Panels

Project Overview

After receiving the drawings for this six-story residential housing unit for Western Michigan University, Centerline Prefab provided recommendations to the owner utilizing a design-assist delivery for the exterior building enclosure. Centerline Prefab worked with the architect and engineer of record to develop the panel details to meet the owner's design intent before they were detailed using BIM to ensure they would be designed to fit properly in their final installed locations.

Job Requirements

There were three primary constraints for the Arcadia Flats Student Housing project – time, weather, and space. To meet the move-in date for students, the exterior building envelope needed to be completed before the arrival of winter, allowing interior work to take place during the cold temperatures and heavy snowfall known in the region. The new residence hall replaced an existing building that was surrounded by buildings on three of its sides creating a small laydown area.

Smart Solution

The building was set with 48' StoPanel Metal ci panels on the upper four floors and Sto Backup panels on the bottom two floors. The 206 prefabricated wall panels were shipped to the jobsite once they were produced. Along with the crawling hydraulic crane, the panels only needed a small staging area in the tight space between buildings. With an install time of 37 minutes per panel on the jobsite, the building envelope was completed in a fraction of the time it would have taken to build on-site. The exterior of the building was enclosed in November of 2019 which gave the schedule a distinct advantage over traditional construction methods.

