



Edgewater Civic Center



A cornerstone of the city that brings five different departments together under one roof.

A community center, municipal office and space for local residents to gather, the Edgewater Civic Center was created to stand the test of time.

Highlights:

- The civic center is home to city offices, the police department, a municipal library and a fitness center
- IMPs provided the ability to do the entire enclosure using predominantly one material
- KarrierPanels give the exterior skin a sophisticated and modern look

Project Overview

Completion Date:

November 2018

Location:

Edgewater, Colorado, USA

Architect:

RATIO Architects

General Contractor:

Alliance Construction

Installer:

Rigid Global Buildings

Insulated Metal Panels:

Kingspan KarrierPanel

Sq. Ft. :

55,000 sq. ft.

Challenge:

The design team faced two significant challenges. The first was that they needed to fit several different municipal departments, each with their own unique needs and space requirements, into one building with a limited floorplan.

The second challenge was creating a sustainable design with a focus on longevity, but also keeping the project under budget. Luckily, Kingspan KarrierPanels excelled at both tasks.

“The panels provided us the ability to do a two-story gym, skin the entire enclosure using predominately one material, and allowed us a very energy-efficient and cost-efficient approach.”

Dennis Humphries
Principal, Denver Studio Leader
RATIO Architects

Influence:

At first, city officials weren't sold on the use of metal in the design of the civic center, thinking it would give the building an industrial look. However, once they saw the different colours and textures the design team was going to use, their concerns dissolved.

“Once we showed the owners the different colours and textures we were going to use, their concerns immediately went away,” said Dennis Humphries, AIA, principal, Denver Studio Leader at RATIO Architects. “We were able to show them how sophisticated the panels looked as an exterior skin on the building and they felt very comfortable with that.”

Design materials include Kingspan insulated metal panels, fiber cement panels and fiber cement planks that provide different looks and textures. Regardless of the façade materials, the KarrierPanel ensures a high level of energy efficiency by eliminating thermal bridging energy losses associated with standard stud/cavity insulation

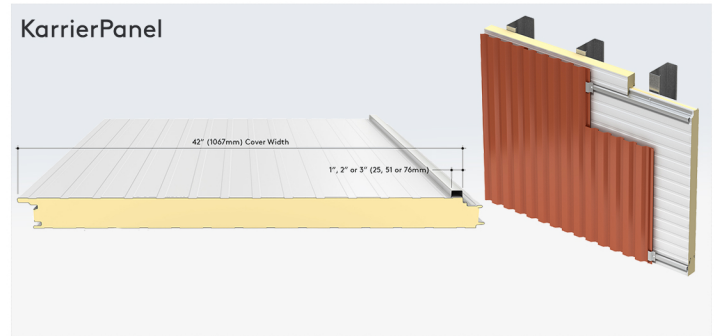
Solution:

Metal played a key role in meeting these challenges. To save thousands of dollars, the design team used a pre-engineered metal building system. Using IMPs also addressed sustainable design initiatives, as the panels used are GREENGUARD Gold Certified.

The Edgewater Civic Center uses the KarrierPanel Barrier Wall System, a universal wall barrier alternative to traditional multi-component wall systems. The panels serve as a rainscreen and allow designers the flexibility to utilize any number of facades, which connect to the KarrierPanel by Kingspan's KarrierRail, which securely and safely transmits loads to the structural supports behind the insulated panel.



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