



Case Study Douglas County Community and Senior Center

PROJECT SPECS

MBCI Products: PBC, Artisan[®] Series, Craftsman[™] Series - Small Batten, Flat Sheets

Location: Minden, Nevada

Color: Slate Gray and Galvalume

Coverage: 78,000 sq. ft.

Architect: Tate Snyder Kimsey Architecture; Reno, Nevada

Roofing Contractor: Commercial Roofers, Inc., Las Vegas, Nevada

General Contractor: Core Construction Services of Nevada Inc., Reno, Nevada

WHY MBCI?

MBCI provides customers quality metal products, superior service and competitive pricing. From a single manufacturing facility in 1976 to now the largest metal roof and wall panels' supplier in the nation, MBCI has grown tremendously with its customers' needs in mind. MBCI manufactures more than 90 different metal panel profiles, as well as performs meticulous testing and offers complete engineering and design capabilities, allowing MBCI to be capable and committed to supporting both the design and contractor communities from project conception through project completion.

The Douglas County Community and Senior Center offers a variety of recreational activities, programs and events. Their mission is to continue to positively affect the community and enrich life. The community center is somewhere people of all ages and lifestyles are able to gather to promote unity, healthy living, education and community pride.

PROBLEM

In Douglas County, 30 percent of the 46,000 residents are senior citizens; thus the need for a senior community center had been vocalized for decades. In 1995, the Kahle Community Center was built for the lake portion of Douglas County. This left the larger population of Carson Valley without similar services and community activities. Therefore the Douglas County Board of Commissioners determined that the time to act was now, and the Douglas County Community and Senior Center was built. It is one of the largest projects accepted by Douglas County, consisting of nearly 80,000 square feet.

SOLUTION

The Douglas County Community and Senior Center, completed in July 2014, was built to become the focal point of the community as a whole for all ages and continues to create and preserve quality parks and recreation opportunities. The facility was designed by Tate Snyder Kimsey Architecture and offers many amenities including conference rooms and a fitness center with two full basketball courts, an indoor track, exercise equipment, two racquetball courts and so much more. It is a state of the art building for a commendable community.

Commercial Roofers, Inc. installed MBCI's Craftsman[™] Series and Artisan[®] Series, both in Galvalume, PBC panels in Slate Gray and flat sheet panels in Galvalume and Slate Gray.

Core Construction, the general contractors on the project, selected PBC metal panels for the roof and exterior walls. The PBC panels were attached to the building structure with exposed fasteners. Photovoltaic (PV) panels were installed on top of the PBC roof panels. A PV system's efficiency improves when installed on a cool metal roof, as done with the Douglas Center, increasing the energy output of the solar modules.

The Craftsman Series panels were tapered and installed on the roof of the cylinder section of the building. The Craftsman Series is a snap-on batten roof system, available in small, large and high profiles. Craftsman Series - Small Batten panels were used on this facility because the vertical legs of the panel are only 3/4" long, allowing it to curve to the shape of the cylinder.

MBCI's Artisan Series panels were used as soffit panels on the community center. The simplicity of the Artisan Series panel is its best design feature because its uniform dimensions and smooth look allow the designer to plan modules, eliminating complicated pieces and following wall curvatures. The fastener is concealed behind the flush face, creating a clean appearance.

Lastly, Commercial Roofers, Inc. used MBCI's 24-gauge flat sheets to make their own trim onsite.