

WINNEMUCCA

CASE STUDY

 EQUESTRIAN
APPLICATIONS



BUILDING NAME

Humboldt County Event Center

OWNER

**Winnemucca Convention
& Visitors Authority**

LOCATION

Winnemucca, NV

SIZE

170' x 320'

MARKET SECTOR

Equestrian + Entertainment

APPLICATION

Event Center + Riding Arena

SPECIAL FEATURES

**Steel wall cladding, designed
for high-occupancy events**

INSTALLATION

Legacy in-house crews



THE WINNEMUCCA CONVENTION & VISITORS AUTHORITY (WCVA) hosts a variety of equestrian and fair events year round. After years of using a temporary structure, it was time to replace it with a permanent building designed for occupancy in any weather conditions.

Specifications provided by the WCVA and Michael Clay Corporation construction management called for a 170' x 320' riding arena that was competitively bid, designed, purchased and installed in eight months. In addition to the tight timeline, the environmental conditions – including extreme hot and cold temperatures, snow and heavy winds – made pre-engineered steel buildings unsuitable.





After researching building options, WCVA and TSK Architecture were drawn to the structure capabilities of Legacy Building Solutions. In addition to meeting all aesthetic and structural design specifications, a fabric structure by Legacy would have natural light – an important benefit for equestrian events. “Horses inherently have poor vision,” said Pat Pusich, Principal at TSK Architects. “The need for a well illuminated arena to host professional equestrian events was also a design factor.”

The experience and knowledge of Legacy’s team helped TSK solidify the decision. “We immediately contacted the LBS technical team to help us understand the building structural systems and weatherproof options,” said Pusich. “They were extremely helpful and responsive to our questions.”

Based on the vision and preferences of WCVA, Legacy ultimately recommended a fabric-roofed building with corrugated steel walls. The fabric roof allows abundant natural light into the building, leading to energy savings and a more pleasant environment for people and horses. “The translucent roof fabric was also the correct solution for an equestrian use,” said Pusich. Using red steel panels along the walls helps the building blend in seamlessly with other structures on the campus and enhance the building’s security.

A wet fire suppression system is suspended from the building frame. The system keeps the building in compliance with event and occupancy regulations, and attaching it to the roof keeps the floor area clear for events. The frame also supports a PA and sound system as well as lighting to be used on cloudy or inclement weather days.

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Expedited completion was another requirement of the project – a large rodeo and other events were already on the schedule. Legacy coordinated with the architects and construction management team to design the structure to spec. After the contracts were signed, Legacy manufactured the fabric and steel components and installed the structure over the course of eight months, including 26 days with Legacy’s installation crews on-site.

With the new structure in place, the WCVA can comfortably host events year-round despite the area’s unpredictable weather. The completed building hosts equestrian and other events several times per week. Attendees and visitors have given very positive feedback on the new structure.