

CHADRON AQUATIC + WELLNESS CENTER



SPORTS + RECREATION
APPLICATIONS

CASE STUDY



LOCATION

Chadron, NE

MARKET SECTOR

Sports

APPLICATION

Indoor Pool

SIZE

162 ft x 170 ft (27,540 sq ft)

SPECIAL FEATURES

**Storefront glazed windows,
waterproof protective building
liner, R30 insulation with thermal
break, customized color pattern**

INSTALLATION

Legacy in-house crews



RESIDENTS OF CHADRON, NEBRASKA,

enjoyed using an outdoor pool during the summer months. When an indoor pool at Chadron State College needed replacement, the college and the city joined forces to build a modern indoor pool that would be open to all.

City officials partnered with aquatic design experts Burbach Aquatics, Inc., who recommended a fabric building as the most cost-effective solution for a clearspan enclosure of this size. “We knew very little about fabric,” said Wayne Anderson, Chadron city manager. “We chose Legacy during the bid process because of their ability to meet our strict specs.”





Many fabric building options are constructed using aluminum trusses – a metal that quickly degrades in the presence of chlorine. The rigid steel frames used by Legacy Building Solutions are hot dip galvanized to eliminate the need for maintenance in a humid, highly corrosive environment.

Another benefit of the rigid steel frame is the ability to customize the building to meet project specifications and code requirements. The facility is lined and insulated for year-round use, while a climate control system keeps the environment comfortable for swimmers. Code requirements for this building included 90 mph windspeed as well as 30 psf snow load.

A white liner keeps the inside of the building clean and enhances the brightness available from the LED lighting system and window walls. The liner also serves as an air-tight protective barrier, shielding the insulation and framing from the high air-moisture content. The exterior membrane features a blue wave pattern, while large commercial glazed windows are framed along the front and sides of the building to provide additional natural light.

Being open every day means Chadron Area Aquatic & Wellness Center has expanded offerings year-round, like swimming lessons and water aerobics in addition to open swimming and water therapy. Community

members use the building for events ranging from children's birthday parties to a Special Olympics event that brought people to Chadron from surrounding towns.

The new pool has features which were not available at the outdoor facility, including a therapy pool, waterslide, splash pad and zero-depth entry area. The building also includes a walking track and a rentable community room. "The response from the community has been very good," said Janet Johnson, Chadron city zoning and building official. "The expanded programming is very popular."

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Expanded programming at the pool is benefitting residents of Chadron as well as residents of nearby towns. "Not a lot of communities in the panhandle have a facility like this," added Anderson. "They are starting to come to us. Not a lot of rural communities have the opportunity we do. What we're seeing is very high use for the water aerobics and lap swim and the therapy pool. And once people have completed their therapy, they tend to keep coming."