

PONTOTOC SANDS

CASE STUDY

 **BULK STORAGE**
APPLICATIONS



PONTOTOC SANDS COMPANY is a supplier of sand and aggregates for fracking and industry. The increase in fracking activity near their El Reno, Oklahoma location required additional space to store and distribute sand.

After comparing the benefits of vertical storage and flat storage, the team at Pontotoc chose a building for enclosed flat storage. The company already owned several fabric buildings and knew they were suitable for the high winds and conditions around the site. Further research brought them to Legacy Building Solutions and a steel-framed fabric building. “We chose the Legacy building after finding their website,” said Josh Lehde, owner at Pontotoc Sands. “We liked the solid frame and the construction method used on their buildings.”

BUILDING NAME

Pontotoc Sands Frac Sand Storage

OWNER

Pontotoc Sands Company

LOCATION

El Reno, OK



MARKET SECTOR

Bulk Storage

APPLICATION

Frac Sand Storage

SIZE

**80 x 100'
8,000 SF**

SPECIAL FEATURES

**Legacy Eco series,
cast-in-place stem walls**

INSTALLATION

Legacy in-house crews





Priorities for the storage buildings were cost, speed of construction and portability. Based on past experience with fabric structures, Lehde knew that the Legacy buildings would meet their criteria. “I like these fabric structures – they are cost-effective to put up, you can put them just about anywhere and you can move them to a new location as our hotspots change,” said Lehde. Fracking is a fast-moving industry, and the storage buildings may be relocated in the future depending on business need.

The finished building is a Legacy Eco series building. The Eco series uses a single sheet of fabric on the roof and walls. The cover is double-layered and laced to each framing member to provide additional strength and prevent friction from damaging the fabric. Eco buildings use a rigid steel frame and are customized to spec and site conditions – in this case, 105 mph windspeed and 10 psf snow load.

The Pontotoc Sands building is customized with 10-foot cast-in-place concrete walls and fixed-blade aluminum louvers on the endwall. Other features of the building include gray primed frames, white polyethylene fabric and an overhead door. Lehde and the Legacy team worked together throughout design and construction, a process that went smoothly for

Pontotoc. “We made some changes to the building design during construction, and it wasn’t an issue,” said Lehde. “We had clear expectations, and the process was very simplistic.”

The steel frame and fabric cover were manufactured by Legacy, who also dispatched a crew to Oklahoma to install the structure. “We prepped the site, there were a few days before it shipped, and once your guys arrived we were pretty hands off, said Lehde. “We went about our business and the crew handled all the installation.”

“We made some changes to the building design during construction, and it wasn’t an issue... We had clear expectations, and the process was very simplistic.”

While onsite, the Legacy crew installed two other fabric buildings that Pontotoc Sands had previously purchased. Construction on all three buildings was completed within one month. With the new additions, Pontotoc Sands added 20,000 tons of storage capacity – enough to keep area fracking companies stocked and operating.