

STONY BROOK UNIVERSITY

CASE STUDY



SPORTS + RECREATION
APPLICATIONS



ARE YOU READY FOR SOME FOOTBALL?

One customer who is ready for football is Stony Brook University.

Legacy completed the sports facility for the university right before the pandemic broke, so this multipurpose building has been waiting for athletes for a year. With an artificial turf interior, it will be used for football, lacrosse, soccer and softball.

Adam McLeod is the Associate AD for Facilities, Operations, and Capital Planning for Stony Brook. He and his team began the journey to find the right kind of building for their indoor sports facility a few years back. They looked at traditional buildings, but those were out of their price range for the kind of facility they needed. They also looked at air-supported fabric buildings, but the maintenance and aesthetics didn't work for this project.

LOCATION

Stony Brook, NY

MARKET SECTOR

Sports

APPLICATION

**University
Athletics Facility**

SIZE

185 ft x 315 ft (58,275 sq ft)

SPECIAL FEATURES

**Inverted steel I-beams,
limited building footprint,
custom fabric design to
match campus structures**

INSTALLATION

Legacy in-house crews





They started looking at tension fabric structures, and that solution seemed to answer both available funding, and their needs for amenities. They toured a couple in Connecticut and decided that the right kind of fabric structure could meet their needs.

► CUSTOM

One of the most important factors in their project was the design, and that required a customized building. To fit it in with the rest of the sports buildings on campus, it had to fit a specific footprint. An off-the-shelf fabric building wouldn't work. Legacy's designers worked with the architect to create the building he had envisioned. Says McLeod, "You guys were able to meet the needs of our architect, and he wanted a little different looking project than some of the builds you do. Just the way it cantilevers out and the way it connects is unique."

The field house we built for Stony Brook was a first for us. Typically, our solid steel I-beams are straight on the outside and, as they get taller and thicker, the inside of the beam leans inward. This building used inverted legs, so they were straight on the inside and leaning outwards on the exterior edge.

Working with the lead contractor, the LandTek Group and the architect, Legacy was "able to integrate everything we wanted," he adds.

No one was really expecting your guys to install it as fast as they did.

One of the complexities, along with the rounded peak and inverted legs, was attaching it to a traditional brick and mortar building, says Legacy's Shannon Humbert, Building and Project Design Consultant for the company. That's what made it a truly unique building.

Peaks are particularly important for athletic facilities. McLeod said their building is perfect for football, soccer and softball because there's plenty of peak height inside.

► INSTALLATION

When the Legacy crew showed up, they went right to work. "No one was really expecting your guys to install it as fast as they did," said McLeod. "Once we got to that point where it was time to put the steel up and putting the fabric up...it was a breath of fresh air."

For McLeod and his team, going with a fabric structure was an early decision once they had completed their research. He's very excited to use it when the next season kicks in.