

# AGC AUTOMOTIVE

## CASE STUDY

 **AUTOMOTIVE  
APPLICATIONS**



**AGC AUTOMOTIVE** is a major manufacturer of automotive windshields and replacement parts for OEMs. As business has grown at their Elizabethtown, Kentucky, location, they needed additional space to store manufacturing equipment and tooling, including large racks that measure 87 inches wide.

Based on past experience with fabric buildings, AGC wrote a specification for side-by-side fabric structures. “We always wanted something that was less expensive and would use natural light,” said Andrew Morley, Maintenance Tooling Engineer. “It wasn’t until we found Legacy that I knew a building this wide was an option.”

BUILDING NAME

**AGC Automotive**

LOCATION

**Elizabethtown, KY**

MARKET SECTOR

**Automotive**

APPLICATION

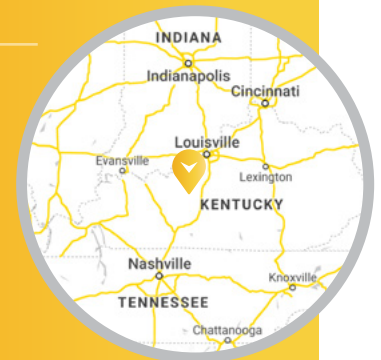
**Tool Storage**

SIZE

**164 ft x 100.5 ft (16,482 sq ft)**

INSTALLATION

**Legacy in-house crews**





Legacy buildings use a rigid steel frame, rather than the open web trusses common to other brands of fabric buildings. Because the steel frame is custom engineered, buildings can be 300 feet wide or more, along with any length. Legacy's Building & Project Design team recommended rewriting the spec to one building – which would provide the required storage space in a smaller footprint, and save money that would have been spent on multiple foundations, doors, etc.

"I was pretty surprised and pleased to learn this was an option," said Andrew. "It gives us a lot more flexibility." The wider building provided AGC with the required storage area without wasting square footage between the buildings and along the sidewalls. "I like the steel frame design from Legacy. I think it's a better product. The steel structure is much more sound, and the life of the fabric and the structure are better."

The final specification called for one structure 164 feet wide by 100.5 feet long, for a total of 16,482 square feet of storage. The straight sidewalls and clearspan design create plenty of room for storing tooling racks as well as the machinery used to move and haul the stored assets. Overhead doors allow safe and easy access to personnel, tooling and manufacturing equipment. "There's no need to struggle to make tight corners," said Andrew.

Construction was completed by Legacy's in-house crews. "The crew was so professional, polite, on time and hardworking," said Andrew. "It was amazing to see how much they got done. There were weather delays and they still finished early. It was a seamless process, and a pleasure to work with this group."

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With the finished building in place, AGC is enjoying the benefits of both clearspan space and natural light. "Being inside on a sunny day is incredible – it's exactly what we wanted," said Andrew. Minimal emergency lighting was installed inside the building to meet code requirements, but all day-to-day operations are carried out using only the natural light coming through the ExxoTec™ PVC fabric.

By providing consultative service, custom design and professional installation, Legacy Building Solutions helped AGC Automotive maximize their initial investment and increase efficiency on a daily basis – saving money in both the short- and long-term.