

CASE STUDY:

First Bank of Alabama - Childersberg, Alabama



**TJ WIES
PREFAB**
Safety. Efficiency. Certainty.

PROJECT OVERVIEW

Location: Childersberg, Alabama

Project Manager: Garrett Hagen

Building Type: Commercial – Bank

Building Size: 40' x 60'

Fabrication & Installation Timeline: 1 Week

Time Saved: 4 Weeks

TJ Wies Prefab partnered on the construction of the First Bank of Alabama in Childersberg, delivering a 40' x 60' commercial banking facility using exterior load-bearing prefabricated wall systems.

With speed as the primary driver, prefabrication was selected to accelerate the project schedule while maintaining structural integrity and quality.



BACKGROUND & OBJECTIVE

The project called for the construction of a new standalone bank building on a defined timeline. Traditional framing methods would have extended the overall schedule significantly.

Prefabrication was chosen specifically to:

- Reduce overall construction time
- Minimize on-site labor demands
- Improve quality control

The primary goal was simple: complete the building faster without compromising structural performance or craftsmanship.

DESIGN & PLANNING

The structure utilized prefabricated exterior load-bearing wall panels, engineered by structural engineers to meet all design and performance requirements.

While no BIM was used for this project, careful planning and coordination through the general contractor ensured smooth integration between design, fabrication, and installation phases.

The wall system was designed specifically to accommodate off-site manufacturing, allowing for efficient production and streamlined field installation.

FABRICATION & INSTALLATION

All prefabricated components were manufactured by TJ Wies Prefab and transported to the site via tractor trailer.

On installation day:

- Wall panels were delivered to the site
- A crane was used to set the panels
- The exterior load-bearing wall system was installed in a single day

This streamlined sequence dramatically reduced field labor time and allowed follow-on trades to begin work sooner than traditional construction methods would have permitted.



CASE STUDY:

First Bank of Alabama - Childersberg, Alabama



**TJ WIES
PREFAB**
Safety. Efficiency. Certainty.

COST & EFFICIENCY BENEFITS

Prefabrication provided measurable value to both the owner and general contractor by:

- Reducing on-site labor costs
- Minimizing material waste
- Decreasing risk of rework
- Accelerating occupancy timeline

By saving four weeks on the schedule, the owner realized a significant time savings — a critical advantage in commercial banking construction.

SCHEDULE IMPACT

Prefabrication reduced the overall project schedule by approximately four weeks compared to conventional construction methods.

There were:

- No delays
- No unexpected complications
- No tolerance or coordination issues

The ability to fabricate off-site while site work progressed in parallel created substantial schedule efficiency.

QUALITY & SUSTAINABILITY

Off-site manufacturing contributed to improved quality control and consistency across all structural wall components.

Additional benefits included:

- Reduced jobsite waste
- Less on-site disruption
- Improved build precision
- Controlled fabrication environment

The result was a structurally sound, high-quality building delivered efficiently and cleanly.

COLLABORATION

Coordination between TJ Wies Prefab and the project team was managed through the general contractor. Clear communication and pre-installation planning ensured smooth delivery and crane set without delays or adjustments.



RESULTS

The First Bank of Alabama project demonstrates the measurable advantages of prefabrication in commercial construction:

- 4 weeks saved
- Faster project turnover
- Reduced labor exposure
- Cost savings for the owner
- Improved quality control

The success of this project reinforces TJ Wies Prefab's commitment to delivering speed, precision, and value through off-site construction methods.

The team would confidently utilize prefabrication again on future projects without modification to the approach used here.

QUOTE FROM GC

