



111MW Data Center

PROJECT TYPE

Prefabrication

PROJECT EXECUTIVE

Jon Morgan

PROJECT MANAGER

Duamel Vellon

SUPERINTENDENT

Justin Collins

FSG delivered a safer, faster, more predictable rooftop installation by shifting a complex conduit racking system from onsite build to full prefabrication.

Executive Summary

FSG's Dallas team quickly recognized that building the rooftop conduit racking system for this 111MW data center in the field would create unnecessary risk. The work would be exposed to unpredictable weather, tight deadlines, and increased safety concerns. By moving the entire scope to FSG's San Antonio prefab shop, the team produced complete assemblies that were delivered to the site and lifted to the roof in a streamlined, predictable process.

To support a smooth installation, two electricians from the prefab shop assisted with the on-site installation. Their firsthand knowledge helped the field team install the assemblies efficiently and with fewer questions. Field leaders also visited the prefab shop during assembly, which gave them a clear understanding of the work before it reached the site. This two-way communication helped reduce rework and kept the project on schedule.

Project Highlights

- Converted a complex rooftop conduit system into a fully prefabricated solution
- Completed cutting, bending, and assembly offsite in a controlled environment
- Used consolidated crane lifts to place completed assemblies on the roof
- Sent prefab electricians to the site to assist with the initial installation
- Invited field leaders to the prefab shop to prepare for installation needs
- Reduced risk, delays, and rework on a fast-paced, mission-critical project