



## CYPRESS-FAIRBANKS ISD

Cypress, Texas



### Owner

Cypress-Fairbanks Independent School District

### Contract Type

Service

### Contract Amount

\$550,000.00

### General Contractor

Gilbane Building Company

### Electrical Contractor

FSG Houston

### Architect

IBI Group Architects

### SERVICE CASE STUDY

FSG Delivers Seamless Backup Power for New Flagship High School Facility

### CHALLENGE

Large school facilities with multiple stories and complex networking infrastructure require a backup power system to ensure that critical systems stay online when the main power grid goes down. This issue was of primary importance to Cypress-Fairbanks Independent School District during the construction of a new state-of-the-art high school campus in Cypress, Texas.

General contractor Gilbane turned to FSG's Houston branch to complete the high-priority \$550,000.00 work scope for backup power installation at the new and ambitious Bridgeland High School. For FSG, the project involved the installation of a 750 kW emergency generator.

### SOLUTION

Prior to the installation of the new emergency generator, FSG supervised the creation of the pad site and ensured that it met with the required specifications, with an underground conduit fed through the pad to align properly with the new generator. With the pad complete, FSG supervised the placement of the genset onto the pad and began the process of installing all feed lines and connections between the generator, the switchgear, and the associated load bank.

### RESULT

FSG executed the work scope flawlessly, providing for the installation of the new emergency power generator, along with all associated connections, testing, extensive commissioning, and final system hand-off to the customer.

