



Relocatable Modular Education

Entry Name: Summersville Interim Modular Campus

Entrant: Modular Genius, Inc.

Number of Modules: 74

Affiliate: Diamond Builders, Inc.

Location: Summersville, WV

Total Square Feet: 55456

Building Use: Education Swing Space

Days to Complete: 83

Architectural Excellence

As a result of West Virginia flooding in June of 2016, a local community was in need of a school to serve its 500+ students. The existing middle school had been deemed a total loss by FEMA due to water damage. A concept design and site plan was provided by a local architect and Modular Genius responded immediately. The classroom buildings totaled 55,456 sqft, utilizing (5) modular complexes, ultimately culminating a total of 74 modular buildings. The new modular classrooms were designed to be functional, durable, & easily accessible for all students. As such, ADA compliant decks, steps, ramps and a chairlift were provided. The new modular middle school is located on the existing property which it shares with the high school. The school maintains its own identity as it is located on a large athletic field at the original property and is oriented such that the students can enter and exit the school safely and efficiently via the parent drop off area.

Technical Innovation & Sustainability

While the new modular middle school buildings were in production, it was determined that a full commercial kitchen would be needed to provide meals for the students. MGI quickly had to figure out how to add the commercial modular kitchen addition to the school such that it allowed students access from the cafeteria. This was accomplished by removing and re-installing several of the HVAC units on the cafeteria building to a revised location and making penetrations in to the cafeteria, whereby the two buildings would be connected via "connector links". In this way the students could enter into the kitchen directly from the cafeteria via these links. This work was done during & after the interim school had been installed & occupied. Parallel to this; additional design, careful and efficient planning was required for utilities to support the demand and loads for the modular kitchen addition.

Cost Effectiveness

The new modular middle school was procured via GSA schedule and will be leased for 4 years. This provided great value for the owner as they were able to take advantage of established pricing and a streamlined procurement process. The VB wood studded buildings were designed with future re-use in mind. The units were built with additional support beams in the roof structure to provide supplementary clear span space so that classrooms can be reconfigured into offices if and as required. The units were delivered in a specific order which permitted them to be installed more efficiently. This led to interior close up work being completed as specific installation milestones were met, following an extremely aggressive schedule. MGI partnered with Hunter Modular to complete the modular building installation. All site prep; including but not limited to, utilities, sprinkler systems, fire alarm, roadways, flatwork, building access systems were provided as well.