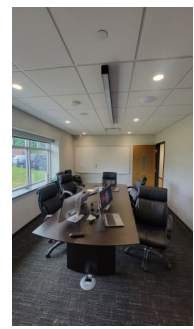
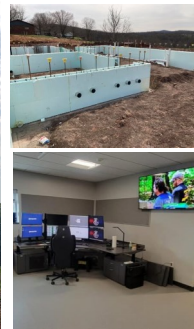


PROJECT PROFILE

Tyler County 911 Center Middlebourne, WV



Photos and description courtesy of the WYK Associates Team

STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
Lombardi Development Company, Follansbee, WV

PROJECT SCOPE:

- A New 911 Communications Center for Tyler County, this 5,000 sq. ft. 911 Facility was ready for operations on May 26th, 2022.
- ADS completed the structural design of the project and served as the Engineer Of Record.
- Targeting “Net Zero” energy consumption through the implementation of Geothermal systems, a Photovoltaic Array field along the southern-facing hillside produces a surplus of energy (enough to power the main 911 Center as well as sell energy back to the power grid), Insulated Concrete Form (ICF) construction and high efficiency systems and fixtures throughout.
- The building is constructed of Insulated Concrete Forms (ICF's), which is a very durable and energy efficient system. The roof construction consists of vented insulated panels over a steel deck and truss system. Also included were the installation of the solar fields.
- This will be the first "Net Zero" 911 Facility in the state; meaning the building produces equal to or more energy than it uses. The building is also utilizing geothermal heat pumps by using a field of geothermal wells to take advantage of the Earth's constant temperature to heat and cool the building, using much less energy than conventional HVAC systems.

PROJECT VALUE:

\$4 Million

PROJECT COMPLETION:

October 2021

