



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Beitzel Office Building New Corporate Headquarters



PROJECT ARCHITECT: Paradigm Architecture, Morgantown, WV
STRUCTURAL & MEP ENGINEERS: Allegheny Design Services, LLC, Morgantown, WV
CONTRACTOR: Harbel Inc., Cumberland, MD

PROJECT SCOPE: ADS is proud to announce the completion of another project! Our structural and MEP engineers worked with Paradigm Architecture on the new corporate headquarters for Beitzel Corporation. The project consists of a 2-story 30,000 square foot building with room for 150 employees. It was built in Northern Garrett County Industrial Park in Grantsville, MD. The project deliverable design included a coordinated building information model including Structural, MEP, and Architectural models. The building owner expressed interest in saving energy through the use of efficient building systems. ADS incorporated energy efficient HVAC & plumbing system designs into the construction documents. The HVAC system equipment consists of 12.2 EER packaged gas/electric rooftop units with multiple variable air volume units. Design options include the use of variable frequency drive, multiple R410A refrigeration circuits, and multiple stage heating to name a few. VAV units allow greater precision heating or cooling to various types of spaces to maintain adequate thermal comfort. Plumbing systems include water conserving fixtures and high efficiency water heater to realize additional energy savings. The lighting utilizes LED technology with occupancy sensing controls for greater energy savings. The building is designed for a future generator to provide backup power for the entire building.

PROJECT VALUE: \$ 3.7 Million
PROJECT COMPLETION: Summer 2015