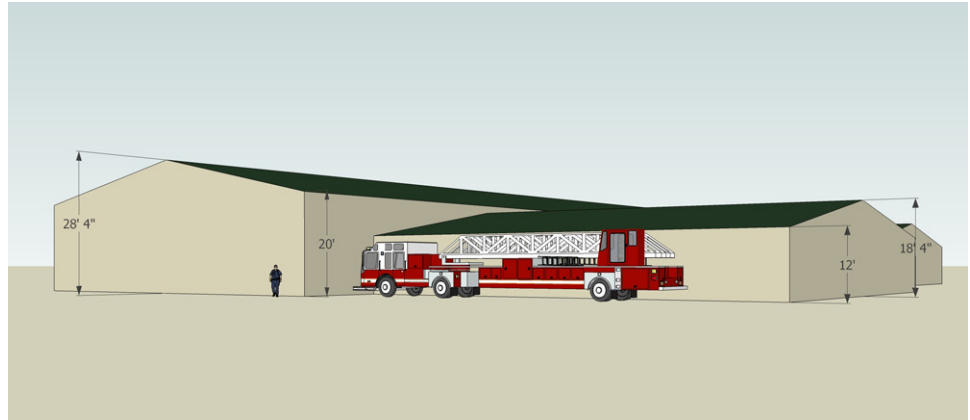


FIRE AND POLICE SUPPORT BUILDING CHESTERFIELD, VIRGINIA



*Size: 33,000 S.F.
Budget: \$5,300,000
Bid: To Be Determined.
Completion: Fall 2012*

The Combined Support Building is a single-story facility that will house the Chesterfield County's Public Safety Training Operations at the Enon Public Safety Training Complex. The building will serve the police, sheriff, and fire and EMS departments by providing classrooms, offices, and storage spaces. Chesterfield County has elected to pursue Leadership in Energy and Environmental Design (LEED®) certification. The following high performance and sustainable design strategies are being implemented into the design of this project.

- Encouraging alternative transportation by providing bicycle racks and preferred parking for low-emitting and fuel-efficient vehicles.
- Using light colored roofing materials to prevent heat gain to the building and reduce the heat island effect.
- Landscaping with drought resistant species to reduce water use by eliminating the need for irrigating.
- Installing low-flow plumbing fixtures to further reduce potable water use.
- Using a highly-efficient geothermal ground source heat pump HVAC system to reduce energy use.
- Opting for increased metering to allow for Measurement and Verification of the building's energy use during occupancy.
- Diverting at least 75 percent of the construction waste away from landfills by recycling or salvaging materials during construction.
- Monitoring outdoor airflow in all spaces and carbon dioxide in densely occupied spaces to provide the appropriate amount of ventilation.
- Maintaining good indoor air quality by implementing protective measures during construction.
- Using low-emitting adhesives, sealants, paints, coatings, and carpet to prevent contamination of indoor air by volatile organic compounds (VOCs).