



Scope of Work:

DJG shall provide electrical engineering services to assist Prince George County with an electrical study for Fire Station #8. The electrical study will comprise the entire Fire Station. The study will provide recommendations to the electrical system to satisfy the 2017 National Electrical Code (NEC) including emergency lighting and locations of illuminated exit signs. The study will also address upgrades to the emergency power system and existing power distribution system. DJG will provide the following:

Electrical Study:

- Site Visit to document the existing electrical conditions.
- Prepare a written report to include:
 - Floor plan sketch from Owner provided existing drawings and field investigation notes to indicate egress lighting and illuminated exit sign locations
 - Calculation to verify electrical service size and recommended generator set size for full building emergency back-up
- Report of findings including recommendations for necessary upgrades to meet the current NEC for:
 - Convenience outlet spacing
 - Equipment connections
 - Service disconnects
 - Riser configuration
- Recommendations to upgrade the lighting fixtures and controls to meet the 2018 Virginia Energy Code
- Photographs documenting the findings at the facility

Exclusions:

- Engineering services for building corrections
- Arc Flash evaluation and rating classifications
- Hazardous material testing
- Site Surveying

