



GILL ENGINEERING GROUP PLC

Mechanical ■ Electrical ■ Plumbing Consulting Engineers



EPA Headquarters - Washington DC



Eagle Harbor Multifamily – Isle of Wright County



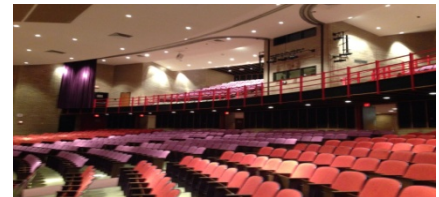
United States Court of Appeals for The Armed Forces – Washington DC



Department of labor- Washington DC



Loudoun Commons Community Center – Loudoun Virginia



Eleanor Roosevelt – High School – PG County, Maryland

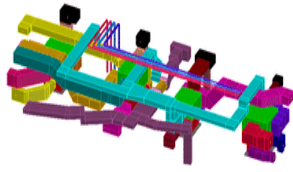
GEG - we are not satisfied until you are

Gill Engineering Group Plc (GEG) was established to provide excellent mechanical, electrical and plumbing (MEP) engineering design & consulting services with a goal to create healthy, comfortable and affordable living or working environment for you.

GEG staff of professional engineers, experienced designers and LEED accredited professionals provides you with services that are up to date with current applicable building codes, relies on latest proven technology and tools helping you conceive your next building project efficiently and economically. GEG staff is focused and goal oriented to meet the deadlines. Principal's involvement and project management from start to finish ensures smooth and lean operation, thus, avoiding overhead costs that help us to provide you engineering consulting services at an affordable cost.

GEG has a diversified MEP design experience in government, GSA, institutional, multifamily, retail, restaurants, and hospitality industry.

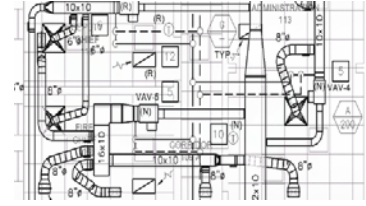
GEG provides consulting engineering services in District of Columbia, States of Maryland and Virginia.



Isometric View – Penthouse – Eleanor Roosevelt
High School



Geothermal Heat Pump System – Sikh Temple
Virginia



VAV System– Andrews Air Force Base -
Maryland

Services

Mechanical

- Heating Ventilation Air Conditioning (HVAC) building design
- Chiller/Boiler plant design- New and Renovations
- Building Information Modeling (BIM) HVAC design using REVIT
- Building Energy Modeling and life cycle analysis
- Feasibility studies
- Sustainable design contributing to LEED certification and points
- Geothermal ground loop systems design
- Building control and automation design services

Electrical

- Energy efficient lighting system and control design contributing to LEED certification and points
- Decorative and accent lighting design
- Garage, parking lot, sports arena and outdoor lighting design
- Power distribution design and utility coordination
- Electrical service upgrade
- Backup and emergency power systems design
- Low voltage power and lighting systems design
- BIM electrical design using REVIT

Plumbing

- Domestic water, sanitary waste/vent and storm systems design
- Food service plumbing design services and consultation
- Water conservative plumbing fixture specifications contributing to LEED certification and points
- Natural gas, propane and fuel piping design
- Medical gas and process piping design
- Pneumatic and Hydraulic piping design
- BIM plumbing design using REVIT

Fire Protection

- Design of sprinkler mains
- Audio visual fire alarm system design
- Life safety lighting and generator power system design
- Smoke evacuation and smoke control system design

Drafting and Modeling

- As built and record drawings production
- Custom REVIT family files
- 2D AutoCAD files to 3D BIM conversion using REVIT



Few of our Accomplished Projects

Government Facilities

1. **Andrews Air Force Base, Maryland.** Mechanical, electrical and fire protection upgrades for fire station and sleeping facilities for 24 hour Fire Marshal's staff.
2. **Department of Labor, Washington DC** - Mechanical and electrical design for elevator machine rooms cooling and ventilation.
3. **United States Court Of Appeals for the Armed Forces, Washington DC** - Mechanical and electrical design for entire facility fan coil unit's replacement.
4. **GSA Building, Springfield, Virginia** - Mechanical and electrical design for 15 tons air handling unit replacement.
5. **Building 1978, Fort George G. Meade, Maryland** - Mechanical and electrical design for entire facility VAV units, hot water distribution system, computer room air conditioning units, air handling units and control systems upgrade.
6. **United States Environmental Protection Agency-** Mechanical and electrical design services for various office consolidations and upgrades.
7. **United States Customs-Academic Building, Front Royal, Virginia** - Energy Modeling, mechanical and electrical design services for upgrading VAV air handling system, hot water heating system and upgrading controls from pneumatic to Direct digital controls.
8. **Green Spring Gardens, Fairfax County, Virginia-** Domestic cold water and natural gas piping design services for green house.

Schools

1. **John Tyler Elementary School, Washington DC** - Mechanical design for entire school HVAC upgrades.
2. **Gladys Noon Spellman Elementary School, Clinton, Maryland** - Mechanical and electrical design for two air cooled chillers replacement.
3. **Friendly Senior high School, Fort Washington, Maryland** - Mechanical, control and electrical design for air side systems and control upgrades in the entire school. Few of the Custom made air handling units have a supply air capacity of 40,000 CFM. New systems are energy efficient with VFD's and DDC Control.
4. **Bladensburg Elementary School, Bladensburg, Maryland** - Mechanical and electrical design for two air cooled chillers replacement
5. **Eleanor Roosevelt High School, Greenbelt, Maryland** – Mechanical, electrical and control engineering design for entire school Heating ventilation and air-conditioning systems. Design of Chilled water, hot water and steam piping for entire school. Design of 7 penthouses containing 42 VAV air handling units, pumps, variable frequency drives, motor control centers.

Base Building

1. **Palace Plaza, Annandale, Virginia** - Mechanical, electrical and Plumbing design services for retail shopping center.
2. **Bristow Commons, Bristow, Virginia** - Mechanical, electrical and Plumbing design services for office building with parking garage.
3. **Woodbridge Commons, Woodbridge, Virginia** – Mechanical, electrical and plumbing design services for multiuse retail and office building with underground garage.



Multi-Family

1. **Eagle Harbor Apartments, Isle of Wright, Virginia-** Mechanical, electrical and plumbing design for 800+ apartments. Developer- Breeden Company.
2. **George Washington University, Washington DC.** Mechanical, electrical and plumbing design for fraternity and sorority apartment units.