BSI
Electrical
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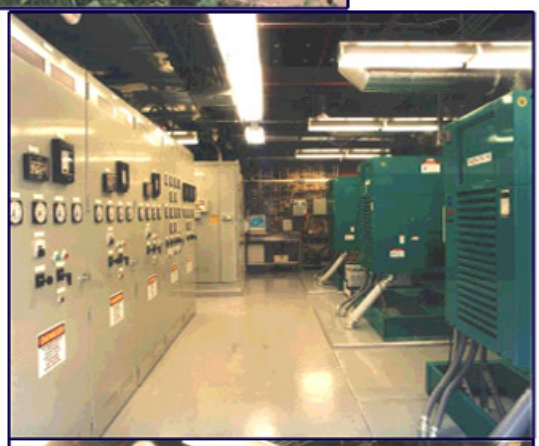
HAVERFORD COLLEGE

STAND-BY/PEAK GENERATOR UPGRADE

Haverford, PA

Upgrade of Existing 1.2 MW System to 3 MW System, Utilizing Three Generators



Design/Build Project

- New switchgear to implement a separate generator bus, campus bus and utlity bus system with ability to isolate any of the three without power interruption to the campus load
- Protective relays to accommodate increased available power & load
- Coordinated all circuit protection equipment
- Computer control system provides operators with real time information such as energy consumption, voltage, KVAR, KW, power factor, main power system status, generator power system status, alarm conditions and protective relay status.
- Intuitive Automated Control System which controls load during peaking and stand-by operation
- Installation of new system required two 16-hour power outages to the campus, while maintaining stand-by power to critical loads
- Project is Winner of ABC Merit Construction Award of Excellence