

Fannie Mae, RESTON, VIRGINIA

FINANCIAL SERVICES

DATA CENTERS



OPERATING COMPANY:

Dynalectric Company
Washington, DC

CLIENT:

Fannie Mae

GENERAL CONTRACTOR:

Structure Tone Inc.

ARCHITECT/ENGINEER:

CCG Facilities Integration Inc.

PROJECT DURATION:

6 Months — Completed 2002

VALUE DELIVERED

Significantly reduced this organization's level of risk from major electrical failures, while providing increased capabilities within a tight timeframe. Dynalectric won a Washington Building Congress "Craftsmanship Award" for its installation and coordination efforts on this project.

SCOPE OF WORK

Dynalectric was asked to install an electrical system capable of carrying the entire system load in the event of a major electrical failure. To provide this level of redundancy, an additional 3,750 KVA utility service was added, which included four 4000 amp distribution panel boards, and four 600 KW uninterruptible power system modules. The existing generator plant switchboard was also renovated. All existing electrical and mechanical systems were provided with alternate power sources, using 30 automatic transfer switches and 25 custom-built control alternators. To complete reconfiguration of the existing space, Dynalectric also installed nine 233 KVA power distribution units and 32 remote power panels under an N+1 redundant configuration.

TECHNICAL SOLUTIONS

Relationships

Quality Service

VALUE ENGINEERING

Experience

Project Schedule & Coordination

EXPERTISE

- New Construction
- Retrofit
- Electrical Construction
- Mechanical Construction
- Facilities Services
- Consulting Services

BACKGROUND

Fannie Mae provides financial products and services that make it possible for low-, moderate-, and middle-income families to buy homes of their own. It does not lend money directly to home buyers. Instead, it works with lenders to make sure they don't run out of mortgage funds, so more people can achieve homeownership. Fannie Mae is the country's second largest corporation, in terms of assets, and the nation's largest source of financing for home mortgages. It is one of the largest financial services corporations in the world. And with approximately 5,055 employees, it is also one of the world's most productive corporations. This project involved construction of a 28,000-square-foot data center in the existing Sallie Mae building.

OBJECTIVES

To handle new and growing business needs, Fannie Mae wanted to quickly construct a data center, supported by electrical systems with the power and redundancy required to handle the highly complex data and reliability requirements of a modern financial organization.

SOLUTIONS

Dynalectric assigned 45 electricians with additional support staff to this project, so it could be completed in a short six months.



Dynalectric Company - Washington, DC is one of the largest full-service electrical service providers specializing in preconstruction, budgeting, design/build and construction of new work, renovation and all types of specialized systems.

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