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Electrical Contractors Association of Greater Boston, Inc. | 106 River Street, West Newton, MA | 1-877-NECA-IBEW (632-2423)

J. & M. Brown Completes Historic Electrical Restoration of Museum of African American History on Beacon Hill in Boston

Architect: John W. Waite Associates, Albany, NY;

GC: Shawmut Design and Construction, Boston, MA; EE: Plus Group Consulting PLLC, New York, NY



Electrical work at the museum required integrating electrical service from the new adjoined building into the historic structure.

Historic Landmark in December. The three-story structure, built in 1806, is the oldest extant national African American church building in the U.S., and was constructed primarily by free black artisans. The museum, restored to its 1855 appearances, reopened to the public on its 205th anniversary. NECA Boston Chapter contractor, J. & M. Brown Company (JMB) of Jamaica Plain, Massachusetts, provided electrical construction and restoration of the historic building as well as installations for the new adjoining structure, which houses an elevator and staircase to allow for handicap access.

The project scope encompassed providing the 5,364 square-foot, two-century old structure with a new electrical service, interior and exterior lighting, fire alarm system, and tel-data infrastructure.

J. & M. Brown met unique chal-

lenges at the extraordinarily tight site, among them the integration of electrical service from the main electrical and mechanical room located in the basement of the new adjoining building into the historic structure. Accurate layout of wiring was essential, as all cables were chiseled through the brick walls of the structure, and numerous floor boxes were cut into the existing historic wood floor.



Coordination of the new electrical and mechanical room was also critical, as the compact space holds equipment for electrical, HVAC, and UPS, as well as the elevator control room. The building's small footprint and lack of storage space for equipment necessitated that all trades bring in only equipment that would be installed in the ensuing week.

JMB's lighting installations at the Museum of African American History included the revitalization of centuries' old gas powered fixtures to electrical. The grand chandelier in the sanctuary was also refurbished and converted to electrical. JMB utilized a special motorized lift in the attic for its installation. Special wiring was required for the pulpit stanchions' light fixtures. Theatrical lighting was also installed for special events and guest speakers.

The fast-track project started in November 2010 and was completed on an aggressive schedule in November 2011. J. & M. Brown Project Manager Robert Carabia and



Superintendent Dale Blue managed the firm's electrical crew, based out of IBEW Local 103. Shawmut Design and Construction of Boston provided general contracting services.

The rededication ceremony was attended by Massachusetts dignitaries, including Diane B. Patrick, First Lady of Massachusetts, Mayor Thomas Menino, and Beverly Morgan-Welch, Executive Director of the Museum of African American History.

ELECTRICAL INDUSTRY NEWS

NECA – Wentworth Institute of Technology Scholarship Winners

BOSTON, MA – The National Electrical Contractors Association (NECA) Boston Chapter and Wentworth Institute of Technology are pleased to announce the annual NECA scholarship winners for the current academic year. The 2012 scholars, their course of study, and their NECA contractor employer are:

Lindsey Jones, Architecture –
John A. Penney Co., Inc.;

Christopher Murphy,
Project Management –
J. & M. Brown Company, Inc.;

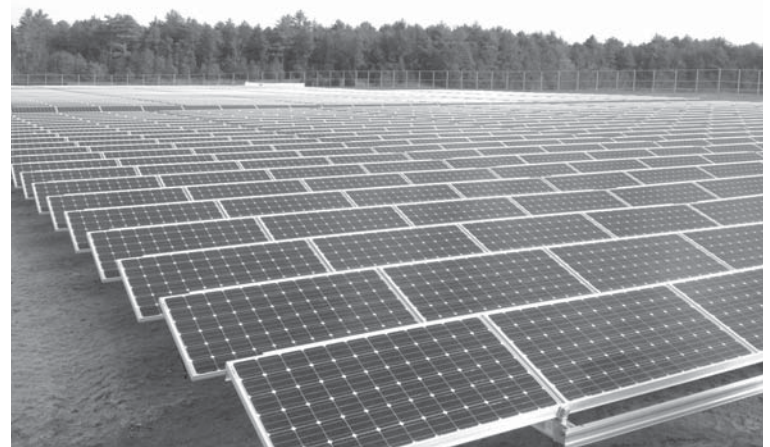
William Dougherty,
Project Management –
E. G. Sawyer Co., Inc.;

Kelly Nygren, Engineering
Technology

Doreth Simon,
Construction Management –
Aldon Electric, Inc.

Annually, each of five NECA scholarships of \$2,000 each are awarded to employees of NECA contractors who are attending Wentworth to complete a bachelors, associates, or master's degree and whose academic achievements qualify them for the merit-based awards. Scholarships may be renewed in succeeding years as long as the student maintains good academic standing and continues to have financial need.

Broadway Electrical Completes 905kW Solar Installation for Rosebrook Farms in Wareham, MA



WAREHAM, MA – Broadway Renewable Strategies, a division of Broadway Electrical Co. based in Boston, has completed the design/build 905kW solar installation for Rosebrook Farms in Wareham, MA. The PV system is a ground-mounted system comprised of 3,124 Canadian Solar 290w panels. The project also included

installation of circuit combiner boxes, Satcon inverters, and a data acquisition system with reporting capability. Broadway Renewable Strategies will furnish solar generated electricity under a Solar Power Purchase Agreement. Broadway's crew of electricians from IBEW Local 223 provided installation.

NECA Boston Chapter Cosponsors Energi's Mobilize Energy Efficiency in America Symposium at BCEC, Jan. 9, 2012



BOSTON, MA – NECA Boston Chapter joined with leading energy efficiency stakeholders – building owners, managers, developers and planners of commercial, educational and municipal facilities, as well as contractors and service providers –

in cosponsoring the first of a series of symposiums aimed at stimulating economic activity through energy efficiency projects. Approximately 300 industry experts from New England and throughout the U.S. met to learn more about the uti-

lization of resources from the U.S. Department of Energy's Better Buildings Challenge. Massachusetts State Senator Brian Joyce was the Opening Session Moderator. He was joined by Gil Sperling, Senior Advisor for Policy & Programs, U. S. Department of Energy. Patrick Cloney of the MA Clean Energy Center also discussed economic impact and jobs for energy efficiency in privately held buildings.

For a complete directory of NECA Greater Boston Chapter member firms, call 1-877-NECA-IBEW or visit us at www.bostonneca.org.