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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 Company Completes Fire Alarm System Installation at 750,000 SF Atlantic Wharf Complex, 280 - 294 Congress Street in Boston

**NECA Contractor Teams with GC: Moriarty and Associates, Winchester, MA; EE: TMP Consulting Engineers, Boston; Owner/Manager: Boston Properties; Architect: CBT, Boston**



system for Atlantic Wharf at 280 – 294 Congress Street on Fort Point Channel. The project included furnishing, installing and integrating the fire alarm system for the 750,000 square foot, 32-story glass tower and six levels of underground parking.

Atlantic Wharf's state-of-the-art life safety system integrates advanced smoke-sensing technology and consists of approximately 2,000 Notifier® fire alarm devices manufactured by Honeywell, including 5 intelligent fire alarm control panels, more than 500 smoke detectors, 120 duct smoke detectors, 500 signaling devices, elevator fire annunciators, and 150 sprinkler points. To meet the facility's requirements, JMB installed more than 200,000 feet of custom copper wire cable, specially color-coded for troubleshooting purposes.

J. & M. Brown also provided the custom design and configuration of the fire alarm panels, including the sophisticated graphic smoke control panel, which allows for interface between the fire alarm system, smoke control system and

all floors. JMB's special field design services were provided in close coordination with general contractor Moriarty and Associates' MEP coordinator. The facility's fire command center, located in the lobby, provides control to the entire system, including the elevator annunciators.

The project scope also included installation of a Comtronics bi-directional amplifier, which allows for Boston Fire Department communication from anywhere in the facility.

Project construction started in Spring 2009 and was completed in December of 2010. To ensure all project timelines were met, J. & M. Brown Fire Alarm Division Vice President Tom Rose, Foreman John Balfe and Project Manager Paul Healey assembled a highly specialized team of experienced electricians to perform the installation.

J. & M. Brown's fire alarm testing group provided system testing services in conjunction with representatives from fire alarm vendor/manufacture, Honeywell. Testing was performed in November and December in preparation

for the final testing with the City of Boston. The system passed inspection and was accepted by the City of Boston right on schedule.

Commenting on the project, Project Manager Healey said, "The key to the Atlantic Wharf fire alarm project's success was the interface and coordination with the entire project team, which was adeptly headed by general contractor Moriarty and owner Boston Properties. It also required ongoing communication and cooperation with other trades/sub-contractors, vendors, and the City of Boston Inspectional Services. The smoke control system design and integration with all aspects of the fire alarm system played a pivotal role in allowing JMB to bring the system online at the required end date."

The Atlantic Wharf complex is a mixed-use development featuring its 750,000 square foot Class A office tower, 30,000 square feet of retail and public spaces, and 70-80 residential units, as well as a waterfront plaza.

### E.S. Boulos Awarded \$5M Electrical Construction of Margaret Chase Smith Federal Building Renovation Project



Photo: Kevin Bennett, Bangor Daily News, Executive Manager

BANGOR, ME – E.S. Boulos has been awarded and is underway with electrical construction associated with the complete renovation of the Margaret Chase (M.C.) Smith Federal Building on Harlow Street in Bangor, Maine. Construction

Manager Consigli Construction awarded ESB the \$5M electrical contract project in a competitive bidding process against two other select Maine electrical contractors. The 200,000 SF existing building will receive a complete replacement of outdated electrical and mechanical systems, interior construction renovations, a new central entrance pavilion, and landscaped plaza. Funding for this project is from the American Recovery and Reinvestment Act. The 30+ month electrical project began in the fall of 2010. Paul Brown led the estimating effort for ESB on this project. He identified alternative cost and design approaches throughout the budgeting and bidding phases, which were instrumental in ESB's award-winning bid. Tom Nason is ESB's Sr. Project Manager and Andy Leali, the onsite Supervisor.

### E.S. Boulos Awarded \$27M Electrical Construction of Maine General Medical Center Regional Hospital in North Augusta, Maine



projects ever undertaken in Maine. The 36-month project, scheduled to begin in spring 2011, is also one of the largest healthcare projects ESB's history.

State-of-the-art construction methods are planned for the project, including BIM, LEAN Construction, and Multi-Trade Prefabrication. The project will be managed by ESB's Senior Project Manager Lescar Beane, Assistant Project Manager Rob Coates,

WESTBROOK, MAINE – E.S. Boulos Company, Inc. (ESB) of Westbrook, Maine has been awarded the electrical construction of Maine General Medical Center's (MGMC) new 600,000+ SF regional hospital in North Augusta, Maine. The new Kennebec Valley Maine General campus will be home to a 192-bed inpatient surgical and acute care facility.

The \$322M construction project is among the largest healthcare projects currently planned for construction in the U.S. and one of the largest institutional construction

Project Engineer Tom Clements, and Superintendent John Fedorovich.

In recent years, E.S. Boulos has completed a number of capital improvement and renovation projects at the MGMC campus in Waterville, and in the late 1990s, ESB completed a major expansion of the medical center's Augusta campus.

To learn more about the Maine General Regional Hospital project, visit: <http://www.maine-general.org/body.cfm?id=1825>

# Nearly 500 Boston Area Electrical Industry Professionals Attend NECA Boston/IBEW Local 103 Electrical Industry Night

DORCHESTER, MA – The NECA Boston/IBEW Local 103 Industry Night and Foreman Training Update was held at the Local 103 Union Hall in Dorchester, MA in February, drawing nearly 500 electrical industry profession-

als from Eastern Massachusetts. The event featured a trade show, product demonstrations, seminars, and a keynote address by noted construction industry motivational speaker, Mark Breslin. It was attended by electrical and telecom

contractors, foremen, field supervisors, project managers, and estimators.

Exhibitors included prominent electrical and telecom industry manufacturers and distributors: Accu-Tech, Appleton Electric, Commscope, DBI-Sala Fall

Protection, Erickson Temporary Power, Graybar, Greenlee Utility Division, Greenlee Tools Electrical Division, Honeywell Fire Alarms, Klein Tools, Milwaukee Tools, Riverside Protective Apparel, Salisbury PPE, and Southwire-Maxis.

Wentworth Institute of Technology and the Ariocho Center at Wentworth also exhibited. The acclaimed engineering college is partnering with NECA Boston Chapter, offering an Advanced Training for Construction Management continuing education program and an annual scholarship program. The Ariocho Center has also joined forces with IBEW Local 103, NECA and JATC Boston to offer an Associates Degree program in Applied Science in Engineering Technology (AENT) to graduates of the JATC Inside Wiremen Apprenticeship Program.

The diverse educational component of the event, which also served as a Foreman Training Update session, was highlighted by Appleton Electric's product demonstration of fittings and lighting in hazardous locations; Salisbury PPE's presentation on ARC flash protection and PPE; and DBI-Sala's seminar on hands-on, site-specific issues relating to fall protection equipment.

Breslin, the principal of Breslin Strategies, Inc., delivered a powerful presentation – "Foreman 101 – Our Road To The Future." It centered on electrical industry foremen being professional leaders and high performance motivators, as well as coaches and mentors. Numerous critical aspects of electrical industry projects for which foremen and women are responsible were discussed: safety, materials, labor, training, schedules, client satisfaction, and work efficiency. As such, he focused on the importance of encouraging innovation, boosting morale, and rewarding productivity.

## POWERING THE FUTURE FOR BIOTECHNOLOGY AND HEALTHCARE IN EASTERN MASSACHUSETTS.

*NECA and Local 103 set the standard for excellence in electrical and telecom construction of biotechnology and healthcare projects throughout Eastern Massachusetts.*



Amgen Center, Cambridge



One Hampshire at Kendall Square, Cambridge



Vertex Pharmaceuticals, Cambridge



The Center for Life Sciences, Boston



Ironwood Pharmaceuticals, Cambridge



Brigham & Womens Hospital, Boston

In the world of biotechnology and healthcare facility construction, experience, quality and safety are critical to every project. Which is why leading architects, general contractors, engineers, building owners, and facility managers throughout Eastern Massachusetts rely on the skilled union electricians of Local 103 of the International Brotherhood of Electrical Workers (IBEW) and the professional electrical contractors of the Greater Boston

Chapter of the National Electrical Contractors Association (NECA).

As we light the way for innovations in biotechnology, healthcare, education, and the sciences, NECA and IBEW remain committed to powering our energy-efficient, technology-driven facilities with electrical and telecommunications construction that is unsurpassed in quality. All with critical attention to on-time, on-budget delivery.

Take a close look at just a few of the recently completed projects by NECA Greater Boston Chapter members. It will tell you where to turn for the highest standards in electrical, telecom, and renewable energy construction.

Rely on the power of quality electrical work. Call **1-877-NECA-IBEW** for a complete directory of NECA Greater Boston Chapter Members, or visit us at [www.bostonneca.org](http://www.bostonneca.org)

*Lighting the way for biotechnology and healthcare facilities.*

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## NECA/Wentworth Underway with Annual Scholarship Program

BOSTON, MA –NECA Greater Boston has initiated an Annual Scholarship Program with Wentworth Institute of Technology. Five scholarships of \$2000 each are awarded annually to employees of NECA contractors who are attending Wentworth to complete an associates, bachelors or masters degree. Recipients are outstanding students whose academic achievements qualify them for the merit-based awards. The 2010-2011 academic year scholarship recipients are Andrew Campbell, Victoria Fortino, Gary Kirk, Patrick Mahoney, and Daniel Moulton.